Texas Commission on Environmental Quality

Title V Existing

3184

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	ARMSTRONG GAS PLANT
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	From the intx of Hwy 111 and Edgar St (FM 682) in Yoakum, head s on Edgar St for 0.5 mi and turn l onto Burt St (still considered FM 682) Travel on FM 682 for 8.3 mi and turn r onto FM 1447 W/FM 682 S. Travel 1.1 mi to FM 682 S and turn L. Travel 4.5 mi
City	Yoakum
State	TX
ZIP	77995
County	DEWITT
Latitude (N) (##.######)	29.133888
Longitude (W) (-###.######)	97.038888
Primary SIC Code	1321
Secondary SIC Code	
Primary NAICS Code	211112
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN100220078
What is the name of the Regulated Entity (RE)?	ARMSTRONG GAS PLANT
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	10 MI S OF YOAKUM ON FM 682
City	YOAKUM
State	TX
ZIP	77995
County	DEWITT
Latitude (N) (##.######)	29.146388
Longitude (W) (-###.######)	-97.0375
Facility NAICS Code	
What is the primary business of this entity?	NATURAL GAS COMPRESSOR STATION

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN602718553
Type of Customer	Partnership
Full legal name of the applicant:	
Legal Name	Enterprise Hydrocarbons L.P.
Texas SOS Filing Number	4910911
Federal Tax ID	742779752

State Franchise Tax ID	17427797521
State Sales Tax ID	
Local Tax ID	
DUNS Number	836434290
Number of Employees	501+
Independently Owned and Operated?	

Responsible Official Contact

Person TCEQ should contact for questions about this application:	
Organization Name	ENTERPRISE HYDROCARBONS LP
Prefix	MR
First	GRAHAM
Middle	
Last	BACON
Suffix	
Credentials	
Title	EXECUTIVE VICE PRESIDENT
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 4324
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77210
Phone (###-###-####)	7133816595
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	2818878086
E-mail	environmental@eprod.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application	
Select existing DAR contact or enter a new contact.	BRADLEY COOLEY(ENTERPRISE PROD...)
Organization Name	ENTERPRISE PRODUCTS OPERATING LLC
Prefix	MR
First	BRADLEY
Middle	
Last	COOLEY
Suffix	
Credentials	
Title	SENIOR DIRECTOR
Enter new address or copy one from list	
Mailing Address	
Address Type	Domestic

Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 4324
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
Zip	77210
Phone (###-###-####)	7133816595
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	2818878086
E-mail	environmental@eprod.com

Technical Contact

Person TCEQ should contact for questions about this application:	
Select existing TC contact or enter a new contact.	DANIEL QUESADA(ENTERPRISE HYDR...)
Organization Name	ENTERPRISE HYDROCARBONS LP
Prefix	MR
First	DANIEL
Middle	
Last	QUESADA
Suffix	
Credentials	
Title	ENVIRONMENTAL ENGINEER
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 4324
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77210
Phone (###-###-####)	7133816770
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	dequesada@eprod.com

Title V General Information - Existing

1) Permit Type:	SOP
2) Permit Latitude Coordinate:	29 Deg 8 Min 2 Sec
3) Permit Longitude Coordinate:	97 Deg 2 Min 20 Sec
4) Is this submittal a new application or an update to an existing application?	Update
4.1. Select the permit/project number for which this update should be applied.	3184-37417
5) Who will electronically sign this Title V application?	Duly Authorized Representative

6) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	No

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

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

[File Properties]

File Name	OP-2-Updated.pdf
Hash	A9E6679E74D28901368784EF5551448DE7B92A1EC964144D299704B2EC138336
MIME-Type	application/pdf

Attach OP-ACPS (Application Compliance Plan and Schedule)

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

[File Properties]

File Name	OP-REQ1 - Updated.pdf
Hash	82C6D9B2B6ED0F09B0A22CFA52A99AE02132F91D91E446693769AA6D7613FEB4
MIME-Type	application/pdf

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

[File Properties]

File Name	OP-PBRSUP-Updated.pdf
Hash	BA0321B3FE53B4F838F0BAA83C6265066EDCEEA314716D165195E2A379F413EC
MIME-Type	application/pdf

Attach OP-SUMR (Individual Unit Summary for Revisions)

[File Properties]

File Name	OP-SUMR-Updated.pdf
Hash	52D0DEC62092BD60873AB37D8C9E1A36C2F1165AF966C2F86741A101BB71C30A
MIME-Type	application/pdf

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

[File Properties]

File Name	OP-UA Forms-Updated.pdf
Hash	0F8E43A854B9A9E5BC2B4627E36FF7C49FC129277ED4B6BE96BF9928EEAD588C
MIME-Type	application/pdf

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

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach Void Request Form

Attach any other necessary information needed to complete the permit.

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

Certification

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

1. I am Bradley J Cooley, the owner of the STEERS account ER101133.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcemer 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 3184.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Bradley J Cooley OWNER OPERATOR

Account Number:	ER101133
Signature IP Address:	50.58.14.5
Signature Date:	2025-03-12
Signature Hash:	6F18E8530E275F931FC5AA0D504A170C9E3D9D71071C47C7F1F7629BDEB0FE3E
Form Hash Code at time of Signature:	0ED7FF94C669291C0DAF77AAE10A17C4DBE590EF3BE9D26567A7FB533FC59047

Submission

Reference Number:	The application reference number is 767081
Submitted by:	The application was submitted by ER101133/Bradley J Cooley
Submitted Timestamp:	The application was submitted on 2025-03-12 at 12:28:54 CDT
Submitted From:	The application was submitted from IP address 50.58.14.5
Confirmation Number:	The confirmation number is 638644
Steers Version:	The STEERS version is 6.88
Permit Number:	The permit number is 3184

Additional Information

Application Creator: This account was created by Daniel Quesada

From: Rhyan Stone
Sent: Wednesday, March 5, 2025 2:02 PM
To: Samantha Mendez; Quesada, Daniel
Cc: Bissonnette, Daniel; Alfredo Mendoza
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Good afternoon Daniel,

This email is to confirm the **March 12** extension for submitting the OP-CRO1 that we discussed on the phone. We will be on the lookout for the certification next week.

Thanks,
Rhyan

Rhyan S. Stone
Team Leader
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: (512) 239 -1293

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

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From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Monday, March 3, 2025 3:34 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Good afternoon,

I hope this email finds you well.

To replace unit BOI-1 with unit RB-STEAM, I will need form OP-SUMR to reflect this new unit.

Additionally, I will be needing an OP-CRO1 for all previous updates submitted that have not yet been certified.

Please get back to me by **March 7, 2025** with an updated OP-SUMR and OP-CRO1. The application updates can be certified via STEERS in lieu of submitting a hard copy.

If you have any questions or concerns, please feel free to contact me.

Thank you for your cooperation!

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Friday, February 14, 2025 8:58 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Attached is the working draft permit with my comments. I've responded to your original request in red text.

In addition, an OP-NOTIFY was submitted in February 2023 and acknowledged by TCEQ on March 22, 2023 that authorized the addition of a 60 MMBtu/hr steam reboiler, RB-STEAM. This unit replaced BOI-1. As a result, I've made the following updates to previously submitted forms beyond your original request.

The change to the OP-UA12 is unrelated to this item and is simply a correction.

OP-UA6

Removed BOI-1 and added RB-STEAM.

OP-2
Submitting updated OP-2 form to remove T-501A, T-501B, T-501C, Glytank, Tank 011, Tank 027, BLCS1, BLCS2 and BOI-1. Added RB-STEAM.

OP-PBRSUP
Removed reference to BOI-1. RB-STEAM was already listed on this form.

OP-UA12
Submitting updated OP-UA12 Table L, to indicate that the VRUs are subject to OOOOa.

Please let me know if you have any questions.

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

Enterprise Products

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 2:17 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good afternoon,

I have consulted with a technical specialist over the questions you brought to my attention earlier this morning. Regarding units H-1, H-3, H-5, BOI-1, and DEHYBOI, the current version of the Title V permit has high level MACT DDDDD requirements for these units. Additionally, these units which are currently listed on OP-UA6 (steam generating units) had high-level applicability for 40 CFR Part 63, Subpart DDDDD entered on the previous OP-UA6 in the IMS when the RRT was not developed for this regulation.

I requested unit attributes for MACT DDDDD on OP-UA6 since the unit attribute tables are now available for this regulation which was not submitted in the renewal application.

If these units are considered process heaters for MACT DDDDD (the definition of boiler and process heater are slightly different across the federal rules where a unit can be a process heater under one rule and a steam generating unit in another such as a process heater that heats oil for example), then the MACT DDDDD tables on form OP-UA5 (process heaters) must be completed.

If you have any questions or concerns regarding this information, we can still meet at 4pm for a Teams meeting.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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From: Samantha Mendez
Sent: Thursday, February 6, 2025 11:57 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Mr. Quesada,

Thank you for your patience and cooperation! I have just sent out a Teams meeting for the designated time of 4pm today.

Please feel free to contact me if you have any other questions or concerns you would like to discuss in the meantime.

I look forward to meeting with you later this afternoon.

Sincerely,

Samantha Mendez

Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Thursday, February 6, 2025 11:41 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Today at 4pm works for me.

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 10:38 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Mr. Quesada,

Unfortunately, we are unavailable between 7am-11:30am tomorrow. However, we are available tomorrow at 3pm for a meeting, if that by chance works for you as well.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Thursday, February 6, 2025 10:30 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Would you be able to have it tomorrow anytime between 7am-1130am? If not, I can do a call today at 4 pm.

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 10:22 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good morning,

Per our phone call, I would like to set up a Teams meeting. Does today at 4 pm work for you by chance?

Thank you for your cooperation!

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Thursday, February 6, 2025 9:32 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Thank you for the response. I just left a message on your phone. I'm looking to confirm what information specifically is missing from the OP-UA6 forms? Feel free to call me back to discuss.

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

Enterprise Products

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Wednesday, February 5, 2025 3:10 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good afternoon,

I hope this email finds you well.

I can confirm that 09/04/2000 is an accurate effective date for PBR 106.352.

I apologize for any inconvenience this may have caused.

Thank you for your cooperation and understanding!

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Wednesday, February 5, 2025 1:54 PM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

I'm working on responding to your questions. One item you mentioned was that PBR 106.352 was not was not adopted or amended on 09/04/2000. However, based on the attached historical PBR document from the TCEQ website, that is a valid effective date. Please confirm whether or not this is accurate.

From: Quesada, Daniel
Sent: Monday, January 20, 2025 7:09 AM
To: 'Samantha Mendez' <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Your request has been received. I'll let you know if I have any questions.

Thanks

Daniel Quesada
Environmental Engineer

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

Enterprise Products

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Friday, January 17, 2025 1:57 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>
Subject: [EXTERNAL] Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]

Mr. Quesada,

I have been assigned to the Federal Operating Permit (FOP) renewal application of Permit No. O3184 for Enterprise Hydrocarbons LP, Armstrong Gas Plant. This application has been assigned Project No. 37417. Please address all correspondence pertaining to this permit application, including any updates, to me at the address below, and use both the Permit and Project reference numbers above to facilitate tracking.

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

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

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

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

Please review the WDP and submit to me any comments you have regarding it by February 14, 2025. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments.

In addition to the working draft permit, the following deficiencies were found during my review of the renewal application. **Please respond to the following by February 14, 2025.**

- On form OP-REQ1, the NSR Authorization number 17457, is listed with an issuance date of 04/15/2013.
    - This issuance date should be listed as 01/17/2023.
        - Please update section H and submit a revised version of page 89 on form OP-REQ1.

Enterprise: An updated OP-REQ1 is attached.

- Additionally, on form OP-REQ1, the PBR number 106.352 is listed with a version no./date of 09/04/2000.
    - PBR 106.352 was not adopted or amended on this date.
        - Please remove this date from section I and submit a revised version of page 89 on form OP-REQ1.

Enterprise: Per our discussion, that is a valid date and no changes have been made to it.

- On form OP-PBRSUP, the unit ID "H-1 Vent".
    - Please update Table D to reflect the unit "H-1 Vent" and resubmit Table D of the OP-PBRSUP form.

Enterprise: The OP-PBRSUP has been updated to address this comment as well as your next comment.

- Furthermore, several entries on form OP-PBRSUP, Table D appear to have the Registration Issuance date listed instead of the Registration No. or PBR Version No.
    - Please update OP-PVRSUP, Table D.
        - Once corrections are made to the OP-PBRSUP, the full form (Tables A through D) should be resubmitted for review

Enterprise: See previous response.

- I would like to confirm with you whether emission units, "UNIT 185" and "UNIT 186" respectively, are being deleted or added to OP-UA2.
    - Moreover, on form OP-UA2, there were a few typos that I noted, and wanted to share them with you.
        - The two Unit ID numbers that obtain typos are as follows: Unit 928 on page 4, 5, & 6 – typo found with the Index Number, Unit 932 on page 5 & 6 – typo found with the Index Number.

Enterprise: For Units 185 and Unit 186, we are requesting to remove ZZZZ applicability and maintain JJJJ applicability. We are not removing either emission units. I've added

this comment to the WDP as well. I've attached an updated OP-UA2 forms to address the typos.

- On form OP-UA-6, there is missing information for a couple of emission units for Index Numbers 63DDDDD-01 through 63DDDDD-05.
    - Information is needed for the following unit IDs and index numbers respectively: Unit ID: **H-1** – Index No.: **63DDDDD-03**, Unit ID: **H-3** – Index No.: **63DDDDD-04**, Unit ID: **H-5** – Index No.: **63DDDDD-05**, Unit ID: **BOI-1** – Index No.: **63DDDDD-01**, and Unit ID: **DEHYBOI** – Index No.: **63DDDDD-02**.

Enterprise: I've attached updated OP-UA6 forms and an OP-UA5 form.

Note- Some units/modifications/requested items were not included in the Working Draft Permit due to deficiencies being found in the application/permit.

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

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

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

Please notify me when these updates have been submitted.

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

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

---

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Tuesday, March 4, 2025 8:47 AM
To: Samantha Mendez
Cc: Rhyan Stone; Bissonnette, Daniel; Alfredo Mendoza
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant
Attachments: OP-SUMR-Updated.pdf

Samantha,

Attached is the updated OP-SUMR. We will re-certify through STEERS.

Thanks

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Monday, March 3, 2025 3:34 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good afternoon,

I hope this email finds you well.

To replace unit BOI-1 with unit RB-STEAM, I will need form OP-SUMR to reflect this new unit.

Additionally, I will be needing an OP-CRO1 for all previous updates submitted that have not yet been certified.

Please get back to me by **March 7, 2025** with an updated OP-SUMR and OP-CRO1. The application updates can be certified via STEERS in lieu of submitting a hard copy.

If you have any questions or concerns, please feel free to contact me.

Thank you for your cooperation!

Sincerely,

Samantha Mendez
Environmental Permit Specialist
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(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Friday, February 14, 2025 8:58 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Attached is the working draft permit with my comments. I've responded to your original request in red text.

In addition, an OP-NOTIFY was submitted in February 2023 and acknowledged by TCEQ on March 22, 2023 that authorized the addition of a 60 MMBtu/hr steam reboiler, RB-STEAM. This unit replaced BOI-1. As a result, I've made the following updates to previously submitted forms beyond your original request.

The change to the OP-UA12 is unrelated to this item and is simply a correction.

OP-UA6
Removed BOI-1 and added RB-STEAM.

OP-2
Submitting updated OP-2 form to remove T-501A, T-501B, T-501C, Glytank, Tank 011, Tank 027, BLCS1, BLCS2 and BOI-1. Added RB-STEAM.

OP-PBRSUP
Removed reference to BOI-1. RB-STEAM was already listed on this form.

OP-UA12
Submitting updated OP-UA12 Table L, to indicate that the VRUs are subject to OOOOa.

Please let me know if you have any questions.

Daniel Quesada
Environmental Engineer

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

Enterprise Products

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 2:17 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]

Good afternoon,

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I requested unit attributes for MACT DDDDD on OP-UA6 since the unit attribute tables are now available for this regulation which was not submitted in the renewal application.

If these units are considered process heaters for MACT DDDDD (the definition of boiler and process heater are slightly different across the federal rules where a unit can be a process heater under one rule and a steam generating unit in another such as a process heater that heats oil for example), then the MACT DDDDD tables on form OP-UA5 (process heaters) must be completed.

If you have any questions or concerns regarding this information, we can still meet at 4pm for a Teams meeting.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air

(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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---

From: Samantha Mendez
Sent: Thursday, February 6, 2025 11:57 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Mr. Quesada,

Thank you for your patience and cooperation! I have just sent out a Teams meeting for the designated time of 4pm today.

Please feel free to contact me if you have any other questions or concerns you would like to discuss in the meantime.

I look forward to meeting with you later this afternoon.

Sincerely,

Samantha Mendez
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(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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Sent: Thursday, February 6, 2025 11:41 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>

Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Today at 4pm works for me.

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 10:38 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Mr. Quesada,

Unfortunately, we are unavailable between 7am-11:30am tomorrow. However, we are available tomorrow at 3pm for a meeting, if that by chance works for you as well.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Thursday, February 6, 2025 10:30 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Would you be able to have it tomorrow anytime between 7am-1130am? If not, I can do a call today at 4 pm.

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 10:22 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good morning,

Per our phone call, I would like to set up a Teams meeting. Does today at 4 pm work for you by chance?

Thank you for your cooperation!

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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---

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Thursday, February 6, 2025 9:32 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Thank you for the response. I just left a message on your phone. I'm looking to confirm what information specifically is missing from the OP-UA6 forms? Feel free to call me back to discuss.

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

Enterprise Products

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Wednesday, February 5, 2025 3:10 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good afternoon,

I hope this email finds you well.

I can confirm that 09/04/2000 is an accurate effective date for PBR 106.352.

I apologize for any inconvenience this may have caused.

Thank you for your cooperation and understanding!

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Wednesday, February 5, 2025 1:54 PM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

I'm working on responding to your questions. One item you mentioned was that PBR 106.352 was not was not adopted or amended on 09/04/2000. However, based on the attached historical PBR document from the TCEQ website, that is a valid effective date. Please confirm whether or not this is accurate.

From: Quesada, Daniel
Sent: Monday, January 20, 2025 7:09 AM
To: 'Samantha Mendez' <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Your request has been received. I'll let you know if I have any questions.

Thanks

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

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Friday, January 17, 2025 1:57 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>
Subject: [EXTERNAL] Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]

Mr. Quesada,

I have been assigned to the Federal Operating Permit (FOP) renewal application of Permit No. O3184 for Enterprise Hydrocarbons LP, Armstrong Gas Plant. This application has been assigned Project No. 37417. Please address all correspondence pertaining to this permit application, including any updates, to me at the address below, and use both the Permit and Project reference numbers above to facilitate tracking.

In addition, I wanted to let you know that EPA has, on occasion, objected to Title V permits based on the following:
a. NSR permit and PBR monitoring sufficiency –please refer to our periodic monitoring guidance for reference of monitoring that EPA has, so far, considered sufficient.
b. Reference to confidential business information (CBI) in NSR permits and PBR submittals.
c. High level terms in the SOP Applicable Requirement Summary Table. The high-level terms are sometimes used in SOPs when unit attribute forms have not yet been updated due to regulatory amendments.
d. Accuracy of PBR information provided on the supplemental table and in the permit – please refer to Forms OP-PBRSUP and OP-REQ1 Instructions.
If you have any questions or concerns on any of these items or think you need to do any additional updates, let me know and we can discuss further.

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

Please review the WDP and submit to me any comments you have regarding it by February 14, 2025. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments.

In addition to the working draft permit, the following deficiencies were found during my review of the renewal application. **Please respond to the following by February 14, 2025.**

- On form OP-REQ1, the NSR Authorization number 17457, is listed with an issuance date of 04/15/2013.
    - This issuance date should be listed as 01/17/2023.
        - Please update section H and submit a revised version of page 89 on form OP-REQ1.

Enterprise: An updated OP-REQ1 is attached.

- Additionally, on form OP-REQ1, the PBR number 106.352 is listed with a version no./date of 09/04/2000.
    - PBR 106.352 was not adopted or amended on this date.

        - Please remove this date from section I and submit a revised version of page 89 on form OP-REQ1.

Enterprise: Per our discussion, that is a valid date and no changes have been made to it.

- On form OP-PBRSUP, the unit ID "H-1 Vent".
    - Please update Table D to reflect the unit "H-1 Vent" and resubmit Table D of the OP-PBRSUP form.

Enterprise: The OP-PBRSUP has been updated to address this comment as well as your next comment.

- Furthermore, several entries on form OP-PBRSUP, Table D appear to have the Registration Issuance date listed instead of the Registration No. or PBR Version No.
    - Please update OP-PVRSUP, Table D.
        - Once corrections are made to the OP-PBRSUP, the full form (Tables A through D) should be resubmitted for review

Enterprise: See previous response.

- I would like to confirm with you whether emission units, "UNIT 185" and "UNIT 186" respectively, are being deleted or added to OP-UA2.
    - Moreover, on form OP-UA2, there were a few typos that I noted, and wanted to share them with you.
        - The two Unit ID numbers that obtain typos are as follows: Unit 928 on page 4, 5, & 6 – typo found with the Index Number, Unit 932 on page 5 & 6 – typo found with the Index Number.

Enterprise: For Units 185 and Unit 186, we are requesting to remove ZZZZ applicability and maintain JJJJ applicability. We are not removing either emission units. I've added this comment to the WDP as well. I've attached an updated OP-UA2 forms to address the typos.

- On form OP-UA-6, there is missing information for a couple of emission units for Index Numbers 63DDDDD-01 through 63DDDDD-05.
    - Information is needed for the following unit IDs and index numbers respectively: Unit ID: **H-1** – Index No.: **63DDDDD-03**, Unit ID: **H-3** – Index No.: **63DDDDD-04**, Unit ID: **H-5** – Index No.: **63DDDDD-05**, Unit ID: **BOI-1** – Index No.: **63DDDDD-01**, and Unit ID: **DEHYBOI** – Index No.: **63DDDDD-02**.

Enterprise: I've attached updated OP-UA6 forms and an OP-UA5 form.

Note- Some units/modifications/requested items were not included in the Working Draft Permit due to deficiencies being found in the application/permit.

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_fac

tsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

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

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

Please notify me when these updates have been submitted.

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

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

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Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov


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

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

Date	Permit No.	Regulated Entity No.
3/7/2025	**O-3184**	**RN100220078**

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	1	UNIT 185	OP-REQ2	Caterpillar, Unit 185		106.512/06/13/2001	
D	2	UNIT 186	OP-REQ2	Caterpillar, Unit 186		106.512/06/13/2001	
D	3	TANK 011	OP-UA3	DEA Tank		57/05/12/1981, 106.352/11/22/2012	
D	4	TANK 027	OP-UA3	Sulfa-Treat Tank		106.352/09/04/2000	
D	5	T-501A	N/A	Methanol Tank		106.352/02/27/2011	
D	6	T-501B	N/A	Methanol Tank		106.352/02/27/2011	
D	7	T-501C	N/A	Methanol Tank		106.352/02/27/2011	
D	8	GLYTANK	N/A	Triethylene Glycol Tank		106.352/02/27/2011	
D	9	BLCS1	N/A	Blowcase Vessel 1		106.352/02/27/2011	
D	10	BLCS2	N/A	Blowcase Vessel 2		106.352/02/27/2011	
D	11	BOI-1	OP-UA5 , OP-UA6	Amine Steam Reboiler Heater		106.352/09/04/2000, 106.352/11/22/2012	
A	12	RB-STEAM	OP-UA5 , OP-UA6	Amine Steam Reboiler Heater		106.352/11/22/2012	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
3/7/2025	**O-3184**	**RN100220078**

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
3	TANK 011	OP-UA3	D	GRPTK2
4	TANK 027	OP-UA3	D	GRPTK4

From: Samantha Mendez
Sent: Monday, March 3, 2025 3:34 PM
To: Quesada, Daniel
Cc: Rhyan Stone; Bissonnette, Daniel; Alfredo Mendoza
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Good afternoon,

I hope this email finds you well.

To replace unit BOI-1 with unit RB-STEAM, I will need form OP-SUMR to reflect this new unit.

Additionally, I will be needing an OP-CRO1 for all previous updates submitted that have not yet been certified.

Please get back to me by **March 7, 2025** with an updated OP-SUMR and OP-CRO1. The application updates can be certified via STEERS in lieu of submitting a hard copy.

If you have any questions or concerns, please feel free to contact me.

Thank you for your cooperation!

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov


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To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>

Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

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Submitting updated OP-UA12 Table L, to indicate that the VRUs are subject to OOOOa.

Please let me know if you have any questions.

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

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Sent: Thursday, February 6, 2025 2:17 PM
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Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good afternoon,

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If you have any questions or concerns regarding this information, we can still meet at 4pm for a Teams meeting.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov


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To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Mr. Quesada,

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Please feel free to contact me if you have any other questions or concerns you would like to discuss in the meantime.

I look forward to meeting with you later this afternoon.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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Sent: Thursday, February 6, 2025 11:41 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Today at 4pm works for me.

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 10:38 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Mr. Quesada,

Unfortunately, we are unavailable between 7am-11:30am tomorrow. However, we are available tomorrow at 3pm for a meeting, if that by chance works for you as well.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Thursday, February 6, 2025 10:30 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Would you be able to have it tomorrow anytime between 7am-1130am? If not, I can do a call today at 4 pm.

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Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good morning,

Per our phone call, I would like to set up a Teams meeting. Does today at 4 pm work for you by chance?

Thank you for your cooperation!

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Sent: Thursday, February 6, 2025 9:32 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Thank you for the response. I just left a message on your phone. I'm looking to confirm what information specifically is missing from the OP-UA6 forms? Feel free to call me back to discuss.

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

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Wednesday, February 5, 2025 3:10 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>

Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

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Good afternoon,

I hope this email finds you well.

I can confirm that 09/04/2000 is an accurate effective date for PBR 106.352.

I apologize for any inconvenience this may have caused.

Thank you for your cooperation and understanding!

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

I'm working on responding to your questions. One item you mentioned was that PBR 106.352 was not was not adopted or amended on 09/04/2000. However, based on the attached historical PBR document from the TCEQ website, that is a valid effective date. Please confirm whether or not this is accurate.

From: Quesada, Daniel
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Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Your request has been received. I'll let you know if I have any questions.

Thanks

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1100 Louisiana St.
Houston, Texas 77002
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Enterprise Products

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Sent: Friday, January 17, 2025 1:57 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>
Subject: [EXTERNAL] Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Mr. Quesada,

I have been assigned to the Federal Operating Permit (FOP) renewal application of Permit No. O3184 for Enterprise Hydrocarbons LP, Armstrong Gas Plant. This application has been assigned Project No. 37417. Please address all correspondence pertaining to this permit application, including any updates, to me at the address below, and use both the Permit and Project reference numbers above to facilitate tracking.

In addition, I wanted to let you know that EPA has, on occasion, objected to Title V permits based on the following:
a. NSR permit and PBR monitoring sufficiency –please refer to our periodic monitoring guidance for reference of monitoring that EPA has, so far, considered sufficient.
b. Reference to confidential business information (CBI) in NSR permits and PBR submittals.

c. High level terms in the SOP Applicable Requirement Summary Table. The high-level terms are sometimes used in SOPs when unit attribute forms have not yet been updated due to regulatory amendments.
d. Accuracy of PBR information provided on the supplemental table and in the permit – please refer to Forms OP-PBRSUP and OP-REQ1 Instructions.
If you have any questions or concerns on any of these items or think you need to do any additional updates, let me know and we can discuss further.

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

Please review the WDP and submit to me any comments you have regarding it by February 14, 2025. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments.

In addition to the working draft permit, the following deficiencies were found during my review of the renewal application. **Please respond to the following by February 14, 2025.**

- On form OP-REQ1, the NSR Authorization number 17457, is listed with an issuance date of 04/15/2013.
    - This issuance date should be listed as 01/17/2023.
        - Please update section H and submit a revised version of page 89 on form OP-REQ1.

Enterprise: An updated OP-REQ1 is attached.

- Additionally, on form OP-REQ1, the PBR number 106.352 is listed with a version no./date of 09/04/2000.
    - PBR 106.352 was not adopted or amended on this date.
        - Please remove this date from section I and submit a revised version of page 89 on form OP-REQ1.

Enterprise: Per our discussion, that is a valid date and no changes have been made to it.

- On form OP-PBRSUP, the unit ID “H-1 Vent”.
    - Please update Table D to reflect the unit “H-1 Vent” and resubmit Table D of the OP-PBRSUP form.

Enterprise: The OP-PBRSUP has been updated to address this comment as well as your next comment.

- Furthermore, several entries on form OP-PBRSUP, Table D appear to have the Registration Issuance date listed instead of the Registration No. or PBR Version No.
    - Please update OP-PVRSUP, Table D.
        - Once corrections are made to the OP-PBRSUP, the full form (Tables A through D) should be resubmitted for review

Enterprise: See previous response.

- I would like to confirm with you whether emission units, “UNIT 185” and “UNIT 186” respectively, are being deleted or added to OP-UA2.
    - Moreover, on form OP-UA2, there were a few typos that I noted, and wanted to share them with you.
        - The two Unit ID numbers that obtain typos are as follows: Unit 928 on page 4, 5, & 6 – typo found with the Index Number, Unit 932 on page 5 & 6 – typo found with the Index Number.

Enterprise: For Units 185 and Unit 186, we are requesting to remove ZZZZ applicability and maintain JJJJ applicability. We are not removing either emission units. I’ve added this comment to the WDP as well. I’ve attached an updated OP-UA2 forms to address the typos.

- On form OP-UA-6, there is missing information for a couple of emission units for Index Numbers 63DDDDD-01 through 63DDDDD-05.
    - Information is needed for the following unit IDs and index numbers respectively: Unit ID: **H-1** – Index No.: **63DDDDD-03**, Unit ID: **H-3** – Index No.: **63DDDDD-04**, Unit ID: **H-5** – Index No.: **63DDDDD-05**, Unit ID: **BOI-1** – Index No.: **63DDDDD-01**, and Unit ID: **DEHYBOI** – Index No.: **63DDDDD-02**.

Enterprise: I’ve attached updated OP-UA6 forms and an OP-UA5 form.

Note- Some units/modifications/requested items were not included in the Working Draft Permit due to deficiencies being found in the application/permit.

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

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

Application updates may now be submitted through Title V STEERS. Any application updates that are submitted by the RO/DAR through STEERS are certified and do not require

the submittal of an original signature OP-CRO1. Application updates that are provided through email or physical mail require certification using an original signature OP-CRO1.

Please notify me when these updates have been submitted.

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

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Friday, February 14, 2025 8:58 AM
To: Samantha Mendez
Cc: Rhyan Stone; Bissonnette, Daniel; Alfredo Mendoza
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant
Attachments: Draft permit_Project 37417_Permit O3184-DEQ.docx; OP-REQ1 - pg 89.pdf; OP-UA5.pdf; OP-PBRSUP.pdf; OP-UA2.pdf; OP-2.pdf; OP-UA12 Table 19L.pdf; OP-UA6.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Samantha,

Attached is the working draft permit with my comments. I've responded to your original request in red text.

In addition, an OP-NOTIFY was submitted in February 2023 and acknowledged by TCEQ on March 22, 2023 that authorized the addition of a 60 MMBtu/hr steam reboiler, RB-STEAM. This unit replaced BOI-1. As a result, I've made the following updates to previously submitted forms beyond your original request.

The change to the OP-UA12 is unrelated to this item and is simply a correction.

OP-UA6
Removed BOI-1 and added RB-STEAM.

OP-2
Submitting updated OP-2 form to remove T-501A, T-501B, T-501C, Glytank, Tank 011, Tank 027, BLCS1, BLCS2 and BOI-1. Added RB-STEAM.

OP-PBRSUP
Removed reference to BOI-1. RB-STEAM was already listed on this form.

OP-UA12
Submitting updated OP-UA12 Table L, to indicate that the VRUs are subject to OOOOa.

Please let me know if you have any questions.

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

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 2:17 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good afternoon,

I have consulted with a technical specialist over the questions you brought to my attention earlier this morning. Regarding units H-1, H-3, H-5, BOI-1, and DEHYBOI, the current version of the Title V permit has high level MACT DDDDD requirements for these units. Additionally, these units which are currently listed on OP-UA6 (steam generating units) had high-level applicability for 40 CFR Part 63, Subpart DDDDD entered on the previous OP-UA6 in the IMS when the RRT was not developed for this regulation.

I requested unit attributes for MACT DDDDD on OP-UA6 since the unit attribute tables are now available for this regulation which was not submitted in the renewal application.

If these units are considered process heaters for MACT DDDDD (the definition of boiler and process heater are slightly different across the federal rules where a unit can be a process heater under one rule and a steam generating unit in another such as a process heater that heats oil for example), then the MACT DDDDD tables on form OP-UA5 (process heaters) must be completed.

If you have any questions or concerns regarding this information, we can still meet at 4pm for a Teams meeting.

Sincerely,

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Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Mr. Quesada,

Thank you for your patience and cooperation! I have just sent out a Teams meeting for the designated time of 4pm today.

Please feel free to contact me if you have any other questions or concerns you would like to discuss in the meantime.

I look forward to meeting with you later this afternoon.

Sincerely,

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(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

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To: Quesada, Daniel <DEQuesada@eprod.com>
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Enterprise: See previous response.

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Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

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

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

Please notify me when these updates have been submitted.

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

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov


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

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 1)
Federal Operating Permit Program
Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart D: Standards of Performance for Fossil Fuel-Fired Steam Generators
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/14/2025	O-3184	**RN100220078**

Unit ID No.	SOP Index No.	Construction/ Modification Date	Covered Under Subpart Da or KKKK	Changes to Existing Affected Facility	Heat Input Rate	Alternate 42C	PM CEMS	Opacity Monitoring	Gas/Liquid Fuel	Fuels with 0.33 % or Less Sulfur	Specific Site
DEHYBOI	**60D-01**	**78+**	**NO**	**NO**	**250-**						
RB-STEAM	**60D-01**	**78+**	**NO**	**NO**	**250-**						
H-1	**60D-01**	**78+**	**NO**	**NO**	**250-**						
H-3	**60D-01**	**78+**	**NO**	**NO**	**250-**						
H-5	**60D-01**	**78+**	**NO**	**NO**	**250-**						

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 6)
Federal Operating Permit Program
Table 3a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/14/2025	O-3184	**RN100220078**

Unit ID No.	SOP Index No.	Construction/ Modification Date	Heat Input Capacity	Subpart Da	Changes to Existing Affected Facility	Subpart Ea, Eb, AAAA, or CCCC	Subpart KKKK	Subpart Cb or BBBB	Temporary Boiler
DEHYBOI	**60Db-01**	**05+CR**	**100-**						
RB-STEAM	**60Db-01**	**05+CR**	**100-**						
H-1	**60DB-02**	**84-**							
H-3	**60DB-02**	**84-**							
H-5	**60DB-02**	**84-**							

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 11)
Federal Operating Permit Program
Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Dc: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/14/2025	O-3184	**RN100220078**

Unit ID No.	SOP Index No.	Construction/ Modification Date	Maximum Design Heat Input Capacity	Applicability	Heat Input Capacity	D-Series Fuel Type	D-Series Fuel Type	D-Series Fuel Type	ACF Option SO_2	ACF Option PM	30% Coal Duct Burner
DEHYBOI	**60Dc-01**	**05+**	**10-**								
RB-STEAM	**60Dc-03**	**05+**	**10-100**	**NONE**	**30-75**	**NG**			**55+CL**	**OTHR**	**NO**
H-1	**60D-02**	**89-**									
H-3	**60D-02**	**89-**									
H-5	**60D-02**	**89-**									

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

Date	Permit No.	Regulated Entity No.
2/14/2025	O-3184	**RN100220078**

Unit ID No.	SOP/GOP Index No.	Commence	Table Applicability	HCl Emission	HCl-CMS
DEHYBOI	60DDDDD-01	EXIST	T3.1G1		
RB-STEAM	60DDDDD-01	EXIST	T3.3G1		
H-1	60DDDDD-01	EXIST	T3.2G1		
H-3	60DDDDD-01	EXIST	T3.2G1		
H-5	60DDDDD-01	EXIST	T3.3G1		

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

Date	Permit No.	Regulated Entity No.
2/14/2025	O-3184	**RN100220078**

Unit ID No.	SOP/GOP Index No.	Commence	Table Applicability	HCl Emission	HCl-CMS
DEHYBOI	60DDDDD-01	EXIST	T3.1G1		
RB-STEAM	60DDDDD-01	EXIST	T3.3G1		
H-1	60DDDDD-01	EXIST	T3.2G1		
H-3	60DDDDD-01	EXIST	T3.2G1		
H-5	60DDDDD-01	EXIST	T3.3G1		

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 4)
Federal Operating Permit Program
Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/14/2025	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
Unit 928	63ZZZZ-01	MA.IOR	500+	02-		NORMAL	2SLB
Unit 929	63ZZZZ-01	MAJOR	500+	02-		NORMAL	25LB
Unit 931	63ZZZZ-01	MAJOR	500+	02-		NORMAL	2SLB
Unit 932	63ZZZZ-01	MAJOR	500+	02-		NORMAL	2SLB
Unit 933	63ZZZZ-01	MAJOR	500+	02-		NORMAL	2SLB
EMERGEN	63ZZZZ-03	MAJOR	100-250	06+		EMER-A	
FIREPUMP	63ZZZZ-03	MAJOR	100-250	06+		EMER.A	

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 5)
Federal Operating Permit Program
Table 2b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/14/2025	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Operating Hours	Different Schedule	Emission Limitation	Displacement
Unit 928	63ZZZZ-01					
Unit 929	63ZZZZ-01					
Unit 931	63ZZZZ-01					
Unit 932	63ZZZZ-01					
Unit 933	63ZZZZ-01					
EMERGEN	63ZZZZ-03					
FIREPUMP	63ZZZZ-03					

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 6)
Federal Operating Permit Program
Table 2c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary 32BReciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/14/2025	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Crankcase	Performance Test	Control Technique	Operating Limits	Monitoring System
Unit 928	63ZZZZ-01					
Unit 929	63ZZZZ-01					
Unit 931	63ZZZZ-01					
Unit 932	63ZZZZ-01					
Unit 933	63ZZZZ-01					
EMERGEN	63ZZZZ-03					
FIREPUMP	63ZZZZ-03					

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 180)
Federal Operating Permit Program
Table 19l: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/14/2025	3184	RN100220078

		Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)				
		Closed-Vent Systems and Control Devices (continued)				
Unit ID. No.	SOP/GOP Index No.	Vapor Recovery System	AMEL	AMEL ID No.	Complying with 60.482-10a	Control Device ID No.
FUG OOOOA	60OOOOa	YES	NO	NO	NO	NO

Date	Permit No.	Regulated Entity No.
2/14/2025	O-3184	RN100220078

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
17457	01/17/2023				

♦ **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
006	**05/05/1976**	**070**	**05/08/1972**	**106.511**	**09/04/2000**
006	**05/12/1981**	**072**	**05/08/1972**	**106.512**	**06/13/2001**
007	**11/05/1986**	**072**	**05/12/1981**		
009	**05/08/1972**	**082**	**12/01/1972**		
051	**11/05/1986**	**107**	**05/12/1981**		
053	**11/05/1986**	**106.263**	**11/01/2001**		
057	**05/05/1976**	**106.352**	**09/04/2000**		
057	**05/12/1981**	**106.352**	**02/27/2011**		
058	**05/08/1972**	**106.352**	**02/02/2012**		
058	**05/05/1976**	**106.352**	**11/22/2012**		
058	**05/12/1981**	**106.355**	**11/01/2001**		
059	**05/08/1972**	**106.359**	**09/10/2013**		
064	**05/08/1972**	**106.454**	**11/01/2001**		
066	**11/05/1986**	**106.492**	**09/04/2000**		

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 1)

Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area

Date	Permit Number	Regulated Entity Number
2/14/2025	O-3184	RN100220078

Unit ID	Registration Number	PBR No.	Registration Date
FL-1	99582	106.352	06/11/2024
FL-1	99582	106.492	06/11/2024
FL-2	99582	106.352	06/11/2024
FL-2	99582	106.492	06/11/2024
FL-3	99582	106.352	06/11/2024
FL-3	99582	106.492	06/11/2024
FUG-1	99582	106.352	06/11/2024
H-1	99582	106.352	06/11/2024
H-1 VENT	99582	106.352	06/11/2024
H-3	99582	106.352	06/11/2024
TL-1	99582	106.352	06/11/2024
TL-FUG	99582	106.352	06/11/2024

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 2)

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

Date	Permit Number	Regulated Entity Number
2/14/2025	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date
AMNVENT	106.352	09/04/2000
BOI-1S	106.352	09/04/2000
BOI-1S	106.352	11/22/2012
DEHYBOI	106.352	09/04/2000
DEHYBOI	106.352	11/22/2012
DEHYBOIS	106.352	09/04/2000
DEHYBOIS	106.352	11/22/2012
DEHYVENT	106.352	09/04/2000
FLSHTNK	106.352	02/02/2012
FUG KKK	106.352	09/04/2000
FUG KKK	106.352	11/22/2012
FUGOOOOA	106.352	11/22/2012
GO-FLARE1	106.352	11/22/2012
GO-FLARE1	106.492	09/04/2000
LD-L	106.352	09/04/2000
LD-L	106.352	09/04/2000
LD-M	106.352	09/04/2000
T-107	106.352	02/27/2011
931 S	6	5/5/1976
932 S	6	5/5/1976
933 S	6	5/5/1976
924 S	6	5/12/1981
925 S	6	5/12/1981
926 S	6	5/12/1981
927 S	6	5/12/1981
928 S	6	5/12/1981
929 S	6	5/12/1981
CT-1	9	5/8/1972
EMERGEN	106.511	9/4/2000
FIREPUMP	106.511	9/4/2000
FUG	66	11/5/1986
H-1S	107	5/12/1981
H-3S	107	5/12/1981
H-5	7	11/5/1986
H-5S	7	11/5/1986
LD-A	72	5/8/1972

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 2)

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

Date	Permit Number	Regulated Entity Number
2/14/2025	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date
LD-B	51	11/5/1986
LD-C	51	11/5/1986
LD-D	51	11/5/1986
LD-F	53	11/5/1986
LD-G	51	11/5/1986
LD-H	53	11/5/1986
LD-I	51	11/5/1986
LD-J	51	11/5/1986
LD-K	51	11/5/1986
OWSH-1	70	5/8/1972
PRO-AMINE	72	5/12/1981
PRO-FRAC1	72	5/5/1976
PRO-FRAC2	72	5/12/1981
PWSH-1	106.454	11/1/2001
STARTER	106.512	6/13/2001
TANK002	58	5/8/1972
TANK003	58	5/8/1972
TANK004	58	5/8/1972
TANK005	58	5/8/1972
TANK006	72	5/8/1972
TANK007	57	5/12/1981
TANK008	106.352	09/04/2000
TANK 009	57	5/5/1976
TANK 010	57	5/12/1981
TANK 012	106.352	11/22/2012
TANK 013	64	5/8/1972
TANK 015	57	5/12/1981
TANK 014	106.352	09/04/2000
TANK 016	57	5/12/1981
TANK 017	58	5/12/1981
TANK 018	58	5/5/1976
TANK 019	58	5/5/1976
TANK020	58	5/5/1976
TANK 021	59	5/8/1972
TANK022	58	5/5/1976
TANK023	58	5/12/1981
TANK024	59	5/8/1972

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 2)

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

Date	Permit Number	Regulated Entity Number
2/14/2025	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date
TANK025	58	5/8/1972
TANK026	59	5/8/1972
TANK026	106.352	11/22/2012
TANK028	106.352	09/04/2000
TANK 029	106.352	11/22/2012
UNIT 184S	82	12/1/1972
UNIT 184	82	12/1/1972
UNIT 185	106.512	6/13/2001
UNIT 185S	106.512	6/13/2001
UNIT 186	106.512	6/13/2001
UNIT 186S	106.512	6/13/2001
UNIT 924	6	5/12/1981
UNIT 925	6	5/12/1981
UNIT 926	6	5/12/1981
UNIT 927	6	5/12/1981
UNIT 928	6	5/12/1981
UNIT 929	6	5/12/1981
UNIT 931	6	5/5/1976
UNIT 932	6	5/5/1976
UNIT 933	6	5/5/1976
FUG-C3 Dryer	106.352	11/22/2012
TK-1	106.352	11/22/2012
TL-1	106.352	11/22/2012
RB-STEAM	106.352	11/22/2012

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

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

Date	Permit Number	Regulated Entity Number
2/14/2025	O-3184	RN100220078

PBR No.	Version No./Date

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

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

Date	Permit Number	Regulated Entity Number
2/14/2025	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
AMNVENT	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
BOI-1S	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
BOI-1S	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
931 S	6	5/5/1976	Record annual fuel consumption.
932 S	6	5/5/1976	Record annual fuel consumption.
933 S	6	5/5/1976	Record annual fuel consumption.
924 S	6	5/12/1981	Record annual fuel consumption.
925 S	6	5/12/1981	Record annual fuel consumption.
926 S	6	5/12/1981	Record annual fuel consumption.
927 S	6	5/12/1981	Record annual fuel consumption.
928 S	6	5/12/1981	Record annual fuel consumption.
929 S	6	5/12/1981	Record annual fuel consumption.
CT-1	9	5/8/1972	Record annual fuel consumption.
DEHYBOI	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
DEHYBOI	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
DEHYBOIS	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
DEHYBOIS	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
DEHYVENT	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
EMERGEN	106.511	9/4/2000	Record operating hours of the emergency engine whenever it is used to demonstrate that the maximum annual operating hours do not exceed 10% of the normal annual operating schedule of the primary equipment.
FIREPUMP	106.511	9/4/2000	Record operating hours of the emergency engine whenever it is used to demonstrate that the maximum annual operating hours do not exceed 10% of the normal annual operating schedule of the primary equipment.
FL-1	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
FL-1	106.492	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
FL-2	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
FL-2	106.492	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
FL-3	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
FL-3	106.492	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
FLSHTNK	106.352	02/02/2012	Use underlying emission calculation methods to determine actual emissions.
FUG KKK	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
FUG KKK	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
FUGOOOOA	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
FUG-1	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
FUG-1	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
FUG	66	11/5/1986	Use underlying emission calculation methods to determine actual emissions.

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

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

Date	Permit Number	Regulated Entity Number
2/14/2025	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
GO-FLARE1	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
GO-FLARE1	106.492	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
H-1	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
H-1S	107	5/12/1981	Record annual fuel consumption.
H-3	106.352	4/15/1900	Use underlying emission calculation methods to determine actual emissions.
H-3S	107	5/12/1981	Record annual fuel consumption.
H-5	7	11/5/1986	Record annual fuel consumption.
H-5S	7	11/5/1986	Record annual fuel consumption.
LD-A	72	5/8/1972	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-B	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-C	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-D	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-F	53	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-G	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-H	53	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-1	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-J	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-K	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-L	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
LD-M	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
OWSH-1	70	5/8/1972	Use underlying emission calculation methods to determine actual emissions.
PRO-AMINE	72	5/12/1981	Use underlying emission calculation methods to determine actual emissions.
PRO-FRAC1	72	5/5/1976	Use underlying emission calculation methods to determine actual emissions.
PRO-FRAC2	72	5/12/1981	Use underlying emission calculation methods to determine actual emissions.
PWSH-1	106.454	11/1/2001	Use underlying emission calculation methods to determine actual emissions.
STARTER	106.512	6/13/2001	Record annual fuel consumption.
T-107	106.352	02/27/2011	Use underlying emission calculation methods to determine actual emissions.
TANK002	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions

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

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

Date	Permit Number	Regulated Entity Number
2/14/2025	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
TANK003	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK004	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK005	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK006	72	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK007	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK008	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
TANK 009	57	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 010	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 012	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
TANK 013	64	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 014	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
TANK 015	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 016	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 017	58	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 018	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 019	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK020	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 021	59	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK022	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK023	58	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK024	59	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions

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

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

Date	Permit Number	Regulated Entity Number
2/14/2025	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
TANK025	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK026	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
TANK026	59	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK028	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
TANK 029	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
TL-1	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
TL-FUG	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
UNIT 184S	82	12/1/1972	Record annual fuel consumption.
UNIT 184	82	12/1/1972	Record annual fuel consumption.
UNIT 185	106.512	6/13/2001	Record annual fuel consumption.
UNIT 185S	106.512	6/13/2001	Record annual fuel consumption.
UNIT 186	106.512	6/13/2001	Record annual fuel consumption.
UNIT 186S	106.512	6/13/2001	Record annual fuel consumption.
UNIT 924	6	5/12/1981	Record annual fuel consumption.
UNIT 925	6	5/12/1981	Record annual fuel consumption.
UNIT 926	6	5/12/1981	Record annual fuel consumption.
UNIT 927	6	5/12/1981	Record annual fuel consumption.
UNIT 928	6	5/12/1981	Record annual fuel consumption.
UNIT 929	6	5/12/1981	Record annual fuel consumption.
UNIT 931	6	5/5/1976	Record annual fuel consumption.
UNIT 932	6	5/5/1976	Record annual fuel consumption.
UNIT 933	6	5/5/1976	Record annual fuel consumption.
FUG-C3	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
TK-1	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
TL-1	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
RB-STEAM	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
H-1 VENT	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.

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

Date: 2/14/2025
Permit No.: O-3184
Regulated Entity No.: RN100220078
Company Name: Enterprise Hydrocarbons L.P.

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	SIG-E	NO	UNIT 185	OP-REQ2	N/A	Removing applicability of 40 CFR Part 63, Subpart ZZZZ.
2	SIG-E	NO	UNIT 186	OP-REQ2	N/A	Removing applicability of 40 CFR Part 63, Subpart ZZZZ.
3	SIG-E	NO	TANK 011	OP-UA3	N/A	Removal of TANK 011 from permit, as it is no longer at facility.
4	SIG-E	NO	TANK 027	OP-UA3	N/A	Removal of TANK 027 from permit, as it is no longer at facility.
5	SIG-E	NO	T-501A	N/A	N/A	Removal of TANK T-501A from permit, as it is no longer at facility.
6	SIG-E	NO	T-501B	N/A	N/A	Removal of TANK T-501B from permit, as it is no longer at facility.
7	SIG-E	NO	T-501C	N/A	N/A	Removal of TANK T-501C from permit, as it is no longer at facility.
8	SIG-E	NO	GLYTANK	N/A	N/A	Removal of TANK GLYTANK from permit, as it is no longer at facility.
9	SIG-E	NO	BLCS1	N/A	N/A	Removal of BLCS1 from permit, as it is no longer at facility.
10	SIG-E	NO	BLCS2	N/A	N/A	Removal of BLCS2 from permit, as it is no longer at facility.
11	SIG-E	NO	BOI-1	OP-UA5 , OP-UA6	N/A	Removal of BOI-1 from permit, as it is no longer at facility.
12	SIG-E	YES	RB-STEAM	OP-UA5 , OP-UA6	N/A	Addition of new unit. Replacing BOI-1.

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Enterprise Hydrocarbons L.P.

AUTHORIZING THE OPERATION OF
Armstrong Gas Plant
Natural Gas Liquid Extraction

LOCATED AT
Dewitt County, Texas
Latitude 29° 8′ 2″ Longitude 97° 2′ 20″
Regulated Entity Number: RN100220078

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O3184 Issuance Date: _____

_____
For the Commission

Table of Contents

Commented [QD1]: General comment throughout : For Units 185 and Unit 186, we are requesting to remove ZZZZ applicability, maintain JJJJ applicability. We are not removing either emission units.

General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

   A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

   B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

   C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

   D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

   E. Emission units subject to 40 CFR Part 63, Subparts A, HH, ZZZZ, and DDDDD as identified in the attached Applicable Requirements Summary table are subject to 30 TAC

Chapter 113, Subchapter C, §§ 113.100, 113.390, 113.1090, and 113.1130, respectively, which incorporates the 40 CFR Part 63 Subpart by reference.

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

   A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

   B. Title 30 TAC § 101.3 (relating to Circumvention)

   C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

   D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

   E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

   F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

   G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

   H. Title 30 TAC § 101.221 (relating to Operational Requirements)

   I. Title 30 TAC § 101.222 (relating to Demonstrations)

   J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

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

   A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

      (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

      (ii) Title 30 TAC § 111.111(a)(1)(E)

      (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

      (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that

does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is

determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

4. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

5. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

6. For oil and natural gas production facilities as specified in 40 CFR Part 63, Subpart HH, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.390 incorporated by reference):

A. Title 40 CFR § 63.760(a)(1)(i) - (iii) (relating to Applicability and Designation of Affected Source)

B. Title 40 CFR § 63.775(d)(9) (relating to Reporting Requirements)

7. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

Additional Monitoring Requirements

8. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

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

A. Are incorporated by reference into this permit as applicable requirements

B. Shall be located with this operating permit

C. Are not eligible for a permit shield

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

11. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air

contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

12. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

13. Use of Discrete Emission Credits to comply with the applicable requirements:

    A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

        (i) Title 30 TAC Chapter 115

        (ii) Title 30 TAC Chapter 117

        (iii) If applicable, offsets for Title 30 TAC Chapter 116

        (iv) Temporarily exceed state NSR permit allowables

    B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

        (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

        (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

        (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

        (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

        (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Permit Location

14. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit off site at Enterprise Products, 1100 Louisiana, Houston, Texas 77002.

Permit Shield (30 TAC § 122.148)

15. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
DEHYVENT	GLYCOL DEHYDRATION	N/A	63HH-01	40 CFR Part 63, Subpart HH	No changing attributes.
EMERGEN	SRIC ENGINES	N/A	60JJJJ-03	40 CFR Part 60, Subpart JJJJ	No changing attributes.
EMERGEN	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FIREPUMP	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FL-1	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
FL-2	FLARES	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FL-2	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
FL-3	FLARES	N/A	R1111-02	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FUG KKK	FUGITIVE EMISSION UNITS	N/A	60KKK-03	40 CFR Part 60, Subpart KKK	No changing attributes.
FUG OOOOA	FUGITIVE EMISSION UNITS	N/A	60OOOOa	40 CFR Part 60, Subpart OOOOa	No changing attributes.
FUG-1	FUGITIVE EMISSION UNITS	N/A	63HH-01	40 CFR Part 63, Subpart HH	No changing attributes.
GO-FLARE1	FLARES	N/A	R1111-02	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GO-FLARE1	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
GO-FLARE1	FLARES	N/A	63A-02	40 CFR Part 63, Subpart A	No changing attributes.
GRP111A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	UNIT 184S	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP111B	EMISSION	BLCS1, BLCS2,	R1111-02	30 TAC Chapter 111, Visible	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	POINTS/STATIONARY VENTS/PROCESS VENTS	BOI-1S, C-1, C-15, C-2, C-3, C-4, C-5, C-6, C-7, C-8, C-9, DEHYBOIS, H-1S, H-3S, H-5S, STARTER, UNIT 185S, UNIT 186S		Emissions	
UNIT 924	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 925	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 926	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 927	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 930	STATIONARY TURBINES	N/A	60GG-02	40 CFR Part 60, Subpart GG	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
DEHYVENT	EU	63HH-01	112(B) HAPS	40 CFR Part 63, Subpart HH	§ 63.765(b)(1)(iii) § 63.11(b) § 63.764(a) § 63.764(j) § 63.765(b)(1)(iii)(A) § 63.771(c)(1) § 63.771(c)(2) § 63.771(f)(1) § 63.771(f)(1)(iii) § 63.771(f)(2) § 63.771(f)(2)(i) § 63.771(f)(2)(ii) [G]§ 63.773(c)(3) § 63.773(c)(4) [G]§ 63.773(c)(5) [G]§ 63.773(c)(6)	The owner or operator must limit BTEX emissions from each existing small glycol dehydration unit process vent, as defined in §63.761, to the limit determined in Equation 1 of this section. The limits determined using Equation 1 must be met in accordance with one of the alternatives specified in paragraphs (b)(1)(iii)(A) through (D) of this section.	[G]§ 63.772(c) § 63.772(d)(1) § 63.772(e) [G]§ 63.772(e)(2) § 63.772(e)(4)(ii) [G]§ 63.772(f) [G]§ 63.773(c)(2)(i) [G]§ 63.773(c)(2)(ii) [G]§ 63.773(d)(1) § 63.773(d)(3) § 63.773(d)(3)(i)(C) § 63.773(d)(3)(iii) § 63.773(d)(4) § 63.773(d)(6) § 63.773(d)(6)(i) § 63.773(d)(6)(iv) § 63.773(d)(7)	§ 63.771(e)(1) § 63.771(e)(2) § 63.771(e)(3)(i) [G]§ 63.774(b)(1) § 63.774(b)(10) § 63.774(b)(11) § 63.774(b)(2) [G]§ 63.774(b)(3) § 63.774(b)(4) § 63.774(b)(4)(i) § 63.774(b)(4)(ii)(A) § 63.774(b)(5) § 63.774(b)(6) § 63.774(b)(7) § 63.774(b)(7)(i) § 63.774(b)(7)(ii) § 63.774(b)(7)(iii) § 63.774(b)(7)(iv) § 63.774(b)(7)(v) § 63.774(b)(7)(vi) § 63.774(b)(7)(vii) § 63.774(b)(7)(viii) § 63.774(g)	§ 63.764(b) [G]§ 63.773(c)(2)(i) [G]§ 63.773(c)(2)(ii) [G]§ 63.775(b)(1) § 63.775(b)(2) § 63.775(b)(3) § 63.775(b)(4) § 63.775(b)(5) § 63.775(b)(6) § 63.775(d) § 63.775(d)(10) § 63.775(d)(11) [G]§ 63.775(d)(2) § 63.775(d)(6) § 63.775(d)(7) § 63.775(e) § 63.775(e)(1) § 63.775(e)(2) § 63.775(e)(2)(i) § 63.775(e)(2)(ii) § 63.775(e)(2)(ii)(A) § 63.775(e)(2)(ii)(D) § 63.775(e)(2)(iii) [G]§ 63.775(e)(2)(vii) § 63.775(e)(2)(viii) § 63.775(e)(2)(x) § 63.775(e)(2)(xi) [G]§ 63.775(f) § 63.775(g)(1)
EMERGEN	EU	60JJJJ-03	CO	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table 1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(i) [G]§ 60.4243(d) § 60.4243(g)	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than or equal to 100 HP and less than 130 HP and were manufactured on or after 01/01/2009 must comply with a CO emission limit of 387 g/HP-hr, as listed in	§ 60.4237(c) § 60.4243(b)(2)(i) § 60.4243(f) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(e)	§ 60.4243(b)(2)(i) § 60.4245(a) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4) § 60.4245(b)	§ 60.4245(d) [G]§ 60.4245(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						Table 1 to this subpart.			
EMERGEN	EU	60JJJJ-03	HC and NO_x	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table 1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(i) [G]§ 60.4243(d) § 60.4243(g)	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than or equal to 100 HP and less than 130 HP and were manufactured on or after 01/01/2009 must comply with an HC+NOx emission limit of 10 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4237(c) § 60.4243(b)(2)(i) § 60.4243(f) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(d)	§ 60.4243(b)(2)(i) § 60.4245(a) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4) § 60.4245(b)	§ 60.4245(d) [G]§ 60.4245(e)
EMERGEN	EU	63ZZZZ-03	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
FIREPUMP	EU	63ZZZZ-03	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
FL-1	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
FL-2	CD	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
FL-2	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
FL-3	CD	R1111-02	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						§101.222(b).			
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in light liquid service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k)	Comply with the requirements for connectors as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d)	Comply with the requirements for pressure relief devices in light liquid service as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9(a) § 60.482-9(b) § 60.486(k)				
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in gas/vapor service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a)	Comply with the requirements for pumps in light liquid service as stated in §60.482-2 and §60.482-1(a), (b) and (d), except as provided in §60.633.	[G]§ 60.482-2(a) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k)				
FUG OOOOA	EU	60OOOOa	VOC	40 CFR Part 60, Subpart OOOOa	§ 60.5400a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-6a(a)(1) § 60.482-6a(a)(2) § 60.482-6a(b) § 60.482-6a(c) § 60.482-6a(d) § 60.482-6a(e) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.5370a(a) § 60.5370a(b) § 60.5400a(a) § 60.5400a(d) § 60.5400a(e) § 60.5400a(f) § 60.5410a § 60.5410a(f) § 60.5415a(f)	Except as provided in §60.5401 open-ended valves or lines must comply with the requirements of §60.482-6a. Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, except as provided in §60.482-1a(c) and paragraphs §60.482-6a(d) and §60.482-6a(e) of this section.	§ 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(d) § 60.485a(d)(2) § 60.485a(d)(3) [G]§ 60.5401a(f) § 60.5401a(g)	§ 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e) § 60.5420a(a) § 60.5420a(a)(1) § 60.5422a(a)
FUG OOOOA	EU	60OOOOa	VOC	40 CFR Part 60, Subpart OOOOa	§ 60.5400a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-7a(a)(1) [G]§ 60.482-7a(a)(2) § 60.482-7a(b) [G]§ 60.482-7a(c) [G]§ 60.482-7a(d) [G]§ 60.482-7a(e) [G]§ 60.482-7a(f)	Except as provided in §60.5401 valves in gas/vapor service or light liquid service must comply with the requirements of §60.482-7a. At a valve in gas/vapor service or light liquid service, if an instrument reading of 500 ppm or greater is measured, a leak is detected.	§ 60.482-1a(f)(1) § 60.482-1a(f)(2) [G]§ 60.482-1a(f)(3) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) § 60.485a(d) § 60.485a(d)(2) § 60.485a(d)(3) [G]§ 60.485a(e)	§ 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) [G]§ 60.486a(e)(8) § 60.486a(f) § 60.486a(f)(1)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(2) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(ii) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-7a(g) [G]§ 60.482-7a(h) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.5370a(a) § 60.5370a(b) § 60.5400a(a) § 60.5400a(d) § 60.5400a(e) § 60.5400a(f) § 60.5401a(d) § 60.5410a § 60.5410a(f) § 60.5415a(f)		[G]§ 60.5401a(f) § 60.5401a(g)	§ 60.486a(f)(2)	§ 60.487a(e) § 60.5420a(a) § 60.5420a(a)(1) § 60.5422a(a)
FUG OOOOA	EU	60OOOOa	VOC	40 CFR Part 60, Subpart OOOOa	§ 60.5400a(a) § 60.482-11a(b)(2) § 60.482-11a(b)(3) § 60.482-11a(b)(3)(i) § 60.482-11a(d) [G]§ 60.482-11a(e) [G]§ 60.482-11a(f)(1) § 60.482-11a(f)(2) § 60.482-11a(g) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.5370a(a) § 60.5370a(b) § 60.5400a(a)	Except as provided in §60.5401 connectors in gas and vapor and light liquid service must comply with the requirements of §60.482-11a. If an instrument reading greater than or equal to 500 ppm is measured in connectors in gas and vapor and light liquid service, a leak is detected.	§ 60.482-11a(a) § 60.482-11a(b) § 60.482-11a(b)(1) § 60.482-11a(b)(3) § 60.482-11a(b)(3)(ii) [G]§ 60.482-11a(b)(3)(iii) § 60.482-11a(b)(3)(iv) § 60.482-11a(c) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(d) § 60.485a(d)(2) § 60.485a(d)(3) [G]§ 60.485a(e) [G]§ 60.5401a(f)	§ 60.482-11a(b)(3)(v) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8) § 60.486a(e)(9) § 60.486a(f) § 60.486a(f)(1)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(5) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(vii) § 60.487a(c)(2)(viii) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e) § 60.5420a(a) § 60.5420a(a)(1) § 60.5422a(a)

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					§ 60.5400a(d) § 60.5400a(e) § 60.5400a(f) § 60.5401a(d) § 60.5410a § 60.5410a(f) § 60.5415a(f)		§ 60.5401a(g)		
FUG-1	EU	63HH-01	112(B) HAPS	40 CFR Part 63, Subpart HH	§ 63.764(e)(2)(i) § 63.764(a) § 63.764(e)(2) § 63.764(j)	Any ancillary equipment or compressors that contain or contact a fluid with a total VHAP concentration of <10% by weight are exempt from the equipment leak requirements of § 63.764(c)(3).	[G]§ 63.772(a)	§ 63.774(d)(2) § 63.774(d)(2)(i)	None
GO-FLARE1	CD	R1111-02	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
GO-FLARE1	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
GO-FLARE1	CD	63A-02	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(8)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part	§ 63.11(b)(4) § 63.11(b)(5)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						60 of this chapter shall be used.			
GRP111A	EP	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRP111B	EP	R1111-02	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
UNIT 924	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 925	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 926	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 927	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 930	EU	60GG-02	NO_X	40 CFR Part 60, Subpart GG	§ 60.332(a)(2) § 60.332(a)(3) § 60.332(k)	No owner or operator shall discharge into the atmosphere from any stationary gas turbine, any	[G]§ 60.335(a) § 60.335(b)(1) § 60.335(b)(2) § 60.335(c)(1)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						gases which contain nitrogen oxides in excess of the amount as determined from the specified equation.	** See Periodic Monitoring Summary		
UNIT 930	EU	60GG-02	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP111A	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: N/A	
Deviation Limit: If alternative fuel is fired for > 24 consecutive hours, report as a deviation, or conduct observation using Test Method 22. Report as a deviation if visible emissions are observed using Test Method 22 and opacity > 30% using Test Method 9.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP111B	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-02
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: N/A	
Deviation Limit: If alternative fuel is fired for > 24 consecutive hours, report as a deviation, or conduct observation using Test Method 22. Report as a deviation if visible emissions are observed using Test Method 22 and opacity > 20% using Test Method 9.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 930	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG-02
Pollutant: NO_X	Main Standard: § 60.332(a)(2)
Monitoring Information	
Indicator: Fuel Consumption	
Minimum Frequency: once per week	
Averaging Period: N/A	
Deviation Limit: 2.428 MMscf per week	
Periodic Monitoring Text: Measure and record fuel consumption. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 930	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG-02
Pollutant: NO_X	Main Standard: § 60.332(a)(2)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: every 15,000 hours of operation	
Averaging Period: N/A	
Deviation Limit: Maximum NOX Concentration = 150 ppm	
Periodic Monitoring Text: Measure and record the nitrogen oxides concentration of the exhaust gas on a biennial calendar basis using the method specified in 30 TAC § 117.8000(c). The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Permit Shield

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
AMNVENT	N/A	30 TAC Chapter 112, Sulfur Compounds	The sweetening unit is not a sulfur recovery plant.
AMNVENT	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
AMNVENT	N/A	40 CFR Part 60, Subpart LLL	The facility does not process sour natural gas.
AMNVENT	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
BOI-1	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
BOI-1	N/A	40 CFR Part 60, Subpart D	Heat input rate is less than 250 MMBtu/hr.
BOI-1	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
BOI-1	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
BOI-1	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/9/1989.
CT-1	N/A	40 CFR Part 63, Subpart Q	Cooling tower does not use chromium compounds after 09/08/1994.
DEHYBOI	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
DEHYBOI	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
DEHYBOI	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
DEHYBOI	N/A	40 CFR Part 60, Subpart Db	Heat input capacity is less than 100 MMBtu/hr.

Commented [QD2]: An OP-NOTIFY was submitted in February 2023 and acknowledged by TCEQ on March 22, 2023 that authorized the addition of a 60 MMBtu/hr steam reboiler, RB-STEAM. This unit replaced BOI-1. This is reflected in the updated OP-2.

Commented [QD3]: 40 CFR CFR 63 DDDDD is applicable to RB-STEAM, DEHYBOI, H-1, H-3, H-5. I've included an updated OP-UA5 and OP-UA6 to reflect this.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
DEHYBOI	N/A	40 CFR Part 60, Subpart Dc	Heat input capacity is less than 10 MMBtu/hr.
DEHYVENT	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
FLSHTNK	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
FLSHTNK	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified before 06/11/1973.
FLSHTNK	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified before 05/18/1978.
FLSHTNK	N/A	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 07/23/1984.
FLSHTNK	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
FUG	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not located in an applicable ozone non-attainment county.
FUG	N/A	40 CFR Part 60, Subpart KKK	Facility did not commence construction, reconstruction or modification after 1/20/1984.
FUG-1	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not located in an applicable ozone non-attainment county.
FUG-1	N/A	40 CFR Part 60, Subpart KKK	The facility is not a natural gas processing plant as defined in 60.631.
FUG-1	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GLYTANK	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GLYTANK	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GLYTANK	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
GLYTANK	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
GLYTANK	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
GLYTANK	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRP111B	BLCS1, BLCS2, BOI-1S, C-1, C-15, C-2, C-3, C-4, C-5, C-6, C-7, C-8, C-9, DEHYBOIS, H-1S, H-3S, H-5S, STARTER, UNIT 185S, UNIT 186S	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county/area.
GRPLOAD	LD-A, LD-B, LD-C, LD-D, LD-F, LD-G, LD-H, LD-I, LD-J, LD-K, LD-L, LD-M, TL-1	30 TAC Chapter 115, Loading and Unloading of VOC	Loading and unloading of VOC (except gasoline) is exempt in De Witt County.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified before 6/11/1973.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified before 5/18/1978.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart Ka	Capacity is less than 40,000 gallons.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
H-1	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
H-1	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-1	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
H-1	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-1	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/09/1989.
H-3	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
H-3	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-3	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
H-3	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-3	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/9/1989.
H-5	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
H-5	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-5	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
H-5	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-5	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/09/1989.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OWSH-1	N/A	30 TAC Chapter 115, Water Separation	Facility is not located in a Chapter 115 applicable county.
PRO-AMINE	N/A	30 TAC Chapter 112, Sulfur Compounds	The sweetening unit is not a sulfur recovery plant.
PRO-AMINE	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
PRO-AMINE	N/A	40 CFR Part 60, Subpart LLL	The facility does not process sour natural gas.
PRO-AMINE	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
PRO-FRAC1	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
PRO-FRAC2	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
PWSH-1	N/A	30 TAC Chapter 115, Degreasing Processes	Facility is not located in a Chapter 115 applicable county.
PWSH-1	N/A	40 CFR Part 63, Subpart T	Halogenated HAPs are not used for solvent cleaning.
T-107	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-107	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-107	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-107	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-107	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
T-107	N/A	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501A	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501A	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501A	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-501A	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501A	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501A	N/A	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501B	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501B	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501B	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-501B	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501B	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501B	N/A	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential

Commented [QD4]: I've submitted an updated OP-2 form to remove T-501A, T-501B, T-501C, Glytank BLCS1, BLCS2 Tank 11 and Tank 27 as these units no longer exist.

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501C	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501C	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501C	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-501C	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501C	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501C	N/A	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
TL-FUG	N/A	40 CFR Part 60, Subpart KKK	Truck loading equipment is not part of a natural gas processing plant as defined in §60.631.
TL-FUG	N/A	40 CFR Part 63, Subpart HH	Truck loading equipment is not part of a natural gas processing plant as defined in §60.761.
UNIT 184	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 184	N/A	40 CFR Part 60, Subpart GG	Constructed, reconstructed, or modified before October 3, 1977.
UNIT 184	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
UNIT 184	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 924	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 924	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 924	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 925	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 925	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 925	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 926	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 926	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 926	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 927	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
UNIT 927	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 927	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 928	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 928	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 928	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 929	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 929	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 929	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 930	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 930	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 930	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			turbine constructed or reconstructed before 01/14/2003.
UNIT 931	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 931	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 931	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 932	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 932	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 932	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 933	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 933	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 933	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.

New Source Review Authorization References

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 17457	Issuance Date:
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 6	Version No./Date: 05/05/1976
Number: 6	Version No./Date: 05/12/1981
Number: 7	Version No./Date: 11/05/1986
Number: 9	Version No./Date: 05/08/1972
Number: 51	Version No./Date: 11/05/1986
Number: 53	Version No./Date: 11/05/1986
Number: 57	Version No./Date: 05/05/1976
Number: 57	Version No./Date: 05/12/1981
Number: 58	Version No./Date: 05/08/1972
Number: 58	Version No./Date: 05/05/1976
Number: 58	Version No./Date: 05/12/1981
Number: 59	Version No./Date: 05/08/1972
Number: 64	Version No./Date: 05/08/1972
Number: 66	Version No./Date: 11/05/1986
Number: 70	Version No./Date: 05/08/1972
Number: 72	Version No./Date: 05/08/1972
Number: 72	Version No./Date: 05/05/1976
Number: 72	Version No./Date: 05/12/1981
Number: 82	Version No./Date: 12/01/1972
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.352	Version No./Date: 09/04/2000
Number: 106.352	Version No./Date: 02/27/2011
Number: 106.352	Version No./Date: 02/02/2012
Number: 106.352	Version No./Date: 11/22/2012
Number: 106.355	Version No./Date: 11/01/2001
Number: 106.359	Version No./Date: 09/10/2013
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.492	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Number: 106.512	Version No./Date: 06/13/2001
Number: 107	Version No./Date: 05/12/1981

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
AMNVENT	ARMSTRONG INLET ACID GAS VENT	106.352/09/04/2000
BLCS1	BLOWCASE VESSEL 1	106.352/02/27/2011
BLCS2	BLOWCASE VESSEL 2	106.352/02/27/2011
BOI-1	AMINE STEAM REBOILER HEATER	106.352/09/04/2000, 106.352/11/22/2012
BOI-1S	AMINE STEAM REBOILER HEATER STACK	106.352/09/04/2000, 106.352/11/22/2012
C-1	MEP-10, UNIT #931 STACK	6/05/05/1976
C-15	SATURN, UNIT #930 STACK	17457
C-2	MEP-10, UNIT #932 STACK	6/05/05/1976
C-3	MEP-10, UNIT #933 STACK	6/05/05/1976
C-4	CENTAUR, UNIT #924 STACK	6/05/12/1981
C-5	CENTAUR, UNIT #925 STACK	6/05/12/1981
C-6	CENTAUR, UNIT #926 STACK	6/05/12/1981
C-7	CENTAUR, UNIT #927 STACK	6/05/12/1981
C-8	MEP-6, UNIT #928 STACK	6/05/12/1981
C-9	MEP-6, UNIT #929 STACK	6/05/12/1981
CT-1	COOLING TOWER	9/05/08/1972
DEHYBOI	DEHYDRATOR REBOILER HEATER	106.352/09/04/2000, 106.352/11/22/2012
DEHYBOIS	DEHYDRATOR REBOILER HEATER STACK	106.352/09/04/2000, 106.352/11/22/2012
DEHYVENT	ARMSTRONG INLET GLYCOL DEHYDRATION UNIT VENT	106.352/09/04/2000
EMERGEN	EMERGENCY GENERATOR	106.511/09/04/2000
FIREPUMP	FIREPUMP ENGINE	106.511/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
FL-1	PLANT FLARE NO. 1	106.352/11/22/2012, 106.492/09/04/2000
FL-2	PLANT FLARE NO. 2	106.352/11/22/2012, 106.492/09/04/2000
FL-3	PLANT FLARE NO. 3	106.352/11/22/2012, 106.492/09/04/2000
FLSHTNK	CONDENSATE FLASH TANK	106.352/02/02/2012
FUG	PLANT FUGITIVES	66/11/05/1986
FUG KKK	PLANT FUGITIVES KKK	106.352/09/04/2000, 106.352/11/22/2012
FUG OOOOA	PLANT FUGITIVES OOOOA	106.352/11/22/2012
FUG-1	ARMSTRONG INLET FUGITIVES	106.352/09/04/2000, 106.352/11/22/2012
GLYTANK	TRIETHYLENE GLYCOL TANK	106.352/02/27/2011
GO-FLARE1	FACILITY FLARE	106.352/11/22/2012, 106.492/09/04/2000
H-1	REGENERATION GAS HEATER NO. 1	106.352/11/22/2012
H-1S	REGENERATION GAS HEATER NO. 1 STACK	107/05/12/1981
H-3	REGENERATION GAS HEATER NO. 3	106.352/11/22/2012
H-3S	REGENERATION GAS HEATER NO. 3 STACK	107/05/12/1981
H-5	REGENERATION GAS HEATER NO. 5	7/11/05/1986
H-5S	REGENERATION GAS HEATER NO. 5 STACK	7/11/05/1986
LD-A	LOADING AREA A GASOLINE	72/05/08/1972
LD-B	LOADING AREA B	51/11/05/1986
LD-C	LOADING AREA C	51/11/05/1986
LD-D	LOADING AREA D	51/11/05/1986
LD-F	LOADING AREA F	53/11/05/1986

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
LD-G	LOADING AREA G	51/11/05/1986
LD-H	LOADING AREA H	53/11/05/1986
LD-I	LOADING AREA I	51/11/05/1986
LD-J	LOADING AREA J	51/11/05/1986
LD-K	LOADING AREA K	51/11/05/1986
LD-L	LOADING AREA L	106.352/09/04/2000
LD-M	LOADING AREA M	106.352/09/04/2000
OWSH-1	OIL-WATER SEPARATOR	70/05/08/1972
PRO-AMINE	ARMSTRONG GAS PLANT AMINE TREATING PROCESS	72/05/12/1981
PRO-FRAC1	ARMSTRONG I PLANT FRACTIONATION PROCESS	72/05/05/1976
PRO-FRAC2	ARMSTRONG II PLANT FRACTIONATION PROCESS	72/05/12/1981
PWSH-1	PARTS WASHER / DEGREASER	106.454/11/01/2001
STARTER	COMPRESSOR ENGINE STARTER	106.512/06/13/2001
T-107	CONDENSATE/PRODUCED WATER TANK 107	106.352/02/27/2011
T-501A	METHANOL TANK T-501A	106.352/02/27/2011
T-501B	METHANOL TANK T-501B	106.352/02/27/2011
T-501C	METHANOL TANK T-501C	106.352/02/27/2011
TANK 002	LEAN OIL TANK	58/05/08/1972
TANK 003	RUNDOWN WATER TANK	58/05/08/1972
TANK 004	PRODUCED WATER TANK	58/05/08/1972
TANK 005	DISTILLATE TANK	58/05/08/1972

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
TANK 006	GASOLINE STORAGE TANK	72/05/08/1972
TANK 007	AMINE MIX TANK	57/05/12/1981
TANK 008	AMINE STORAGE TANK	106.352/09/04/2000
TANK 009	ANTIFREEZE TANK	57/05/05/1976
TANK 010	BSW TANK	57/05/12/1981
TANK 012	4060 GAL DIESEL TANK	106.352/11/22/2012
TANK 013	GASOLINE TANK	64/05/08/1972
TANK 014	GLYCOL TANK	106.352/09/04/2000
TANK 015	HEAT MEDIUM OIL TANK	57/05/12/1981
TANK 016	HOT OIL MIX TANK	57/05/12/1981
TANK 017	LUBE OIL TANK 1	58/05/12/1981
TANK 018	LUBE OIL TANK 2	58/05/05/1976
TANK 019	LUBE OIL TANK 3	58/05/05/1976
TANK 020	LUBE OIL TANK 4	58/05/05/1976
TANK 021	LUBE OIL TANK 5	59/05/08/1972
TANK 022	LUBE OIL TANK 6	58/05/05/1976
TANK 023	LUBE OIL TANK 7	58/05/12/1981
TANK 024	LUBE OIL TANK 8	59/05/08/1972
TANK 025	R.O. WATER STORAGE TANK	58/05/08/1972
TANK 026	SLOP OIL TANK 1	59/05/08/1972, 106.352/11/22/2012
TANK 028	TRIGLYCOL TANK	106.352/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
TANK 029	1,270 GAL LUBE OIL TANK	106.352/11/22/2012
TL-1	SLOP OIL TRUCK LOADING	106.352/11/22/2012
TL-FUG	TRUCK LOADING FUGITIVES	106.352/11/22/2012
UNIT 184	TURBINE UNIT 184	82/12/01/1972
UNIT 184S	TURBINE UNIT 184 STACK	82/12/01/1972
UNIT 185S	CATERPILLAR, UNIT 185 STACK	106.512/06/13/2001
UNIT 186S	CATERPILLAR, UNIT 186 STACK	106.512/06/13/2001
UNIT 924	CENTAUR, UNIT 924	6/05/12/1981
UNIT 925	CENTAUR, UNIT 925	6/05/12/1981
UNIT 926	CENTAUR, UNIT 926	6/05/12/1981
UNIT 927	CENTAUR, UNIT 927	6/05/12/1981
UNIT 928	MEP-6, UNIT #928	6/05/12/1981
UNIT 929	MEP-6, UNIT #929	6/05/12/1981
UNIT 930	SATURN, UNIT #930	17457
UNIT 931	MEP-10, UNIT #931	6/05/05/1976
UNIT 932	MEP-10, UNIT #932	6/05/05/1976
UNIT 933	MEP-10, UNIT #933	6/05/05/1976

Appendix A

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Thursday, February 6, 2025 3:15 PM
To: Samantha Mendez
Cc: Rhyan Stone; Bissonnette, Daniel; Alfredo Mendoza
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

That clears things up, no need for the meeting today. I will complete the appropriate tables and return them to you.

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

Enterprise Products

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 2:17 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good afternoon,

I have consulted with a technical specialist over the questions you brought to my attention earlier this morning. Regarding units H-1, H-3, H-5, BOI-1, and DEHYBOI, the current version of the Title V permit has high level MACT DDDDD requirements for these units. Additionally, these units which are currently listed on OP-UA6 (steam generating units) had high-level applicability for 40 CFR Part 63, Subpart DDDDD entered on the previous OP-UA6 in the IMS when the RRT was not developed for this regulation.

I requested unit attributes for MACT DDDDD on OP-UA6 since the unit attribute tables are now available for this regulation which was not submitted in the renewal application.

If these units are considered process heaters for MACT DDDDD (the definition of boiler and process heater are slightly different across the federal rules where a unit can be a process heater under one rule and a steam generating unit in another such as a process heater that heats oil for example), then the MACT DDDDD tables on form OP-UA5 (process heaters) must be completed.

If you have any questions or concerns regarding this information, we can still meet at 4pm for a Teams meeting.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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From: Samantha Mendez
Sent: Thursday, February 6, 2025 11:57 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Mr. Quesada,

Thank you for your patience and cooperation! I have just sent out a Teams meeting for the designated time of 4pm today.

Please feel free to contact me if you have any other questions or concerns you would like to discuss in the meantime.

I look forward to meeting with you later this afternoon.

Sincerely,

Samantha Mendez

Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

---

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Thursday, February 6, 2025 11:41 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Today at 4pm works for me.

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 10:38 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Mr. Quesada,

Unfortunately, we are unavailable between 7am-11:30am tomorrow. However, we are available tomorrow at 3pm for a meeting, if that by chance works for you as well.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Thursday, February 6, 2025 10:30 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Would you be able to have it tomorrow anytime between 7am-1130am? If not, I can do a call today at 4 pm.

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 10:22 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good morning,

Per our phone call, I would like to set up a Teams meeting. Does today at 4 pm work for you by chance?

Thank you for your cooperation!

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

---

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Thursday, February 6, 2025 9:32 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Thank you for the response. I just left a message on your phone. I'm looking to confirm what information specifically is missing from the OP-UA6 forms? Feel free to call me back to discuss.

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

Enterprise Products

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Wednesday, February 5, 2025 3:10 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good afternoon,

I hope this email finds you well.

I can confirm that 09/04/2000 is an accurate effective date for PBR 106.352.

I apologize for any inconvenience this may have caused.

Thank you for your cooperation and understanding!

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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Sent: Wednesday, February 5, 2025 1:54 PM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

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Your request has been received. I'll let you know if I have any questions.

Thanks

Daniel Quesada
Environmental Engineer

1100 Louisiana St.
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(O) 713-381-6770
(C) 832-504-6078

Enterprise Products

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Subject: [EXTERNAL] Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]

Mr. Quesada,

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

Please review the WDP and submit to me any comments you have regarding it by February 14, 2025. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments.

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Note- Some units/modifications/requested items were not included in the Working Draft Permit due to deficiencies being found in the application/permit.

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

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

Please notify me when these updates have been submitted.

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

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

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(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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From: Samantha Mendez
Sent: Thursday, February 6, 2025 2:17 PM
To: Quesada, Daniel
Cc: Rhyan Stone; Bissonnette, Daniel; Alfredo Mendoza
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Good afternoon,

I have consulted with a technical specialist over the questions you brought to my attention earlier this morning. Regarding units H-1, H-3, H-5, BOI-1, and DEHYBOI, the current version of the Title V permit has high level MACT DDDDD requirements for these units. Additionally, these units which are currently listed on OP-UA6 (steam generating units) had high-level applicability for 40 CFR Part 63, Subpart DDDDD entered on the previous OP-UA6 in the IMS when the RRT was not developed for this regulation.

I requested unit attributes for MACT DDDDD on OP-UA6 since the unit attribute tables are now available for this regulation which was not submitted in the renewal application.

If these units are considered process heaters for MACT DDDDD (the definition of boiler and process heater are slightly different across the federal rules where a unit can be a process heater under one rule and a steam generating unit in another such as a process heater that heats oil for example), then the MACT DDDDD tables on form OP-UA5 (process heaters) must be completed.

If you have any questions or concerns regarding this information, we can still meet at 4pm for a Teams meeting.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov


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Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Mr. Quesada,

Thank you for your patience and cooperation! I have just sent out a Teams meeting for the designated time of 4pm today.

Please feel free to contact me if you have any other questions or concerns you would like to discuss in the meantime.

I look forward to meeting with you later this afternoon.

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Today at 4pm works for me.

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Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]

Mr. Quesada,

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Good afternoon,

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I can confirm that 09/04/2000 is an accurate effective date for PBR 106.352.

I apologize for any inconvenience this may have caused.

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Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>
Subject: [EXTERNAL] Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
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Sent: Thursday, February 6, 2025 10:38 AM
To: Quesada, Daniel
Cc: Rhyan Stone; Bissonnette, Daniel
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

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Sent: Thursday, February 6, 2025 9:32 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

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Daniel Quesada
Environmental Engineer
1100 Louisiana St.
Houston, Texas 77002

(O) 713-381-6770
(C) 832-504-6078

Enterprise Products

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Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

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Good morning,

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(O) 713-381-6770
(C) 832-504-6078

Enterprise Products

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Sent: Wednesday, February 5, 2025 3:10 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

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Follow Up Flag: Follow up
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- On form OP-PBRSUP, the unit ID "H-1 Vent".
    - Please update Table D to reflect the unit "H-1 Vent" and resubmit Table D of the OP-PBRSUP form.
- Furthermore, several entries on form OP-PBRSUP, Table D appear to have the Registration Issuance date listed instead of the Registration No. or PBR Version No.
    - Please update OP-PVRSUP, Table D.
        - Once corrections are made to the OP-PBRSUP, the full form (Tables A through D) should be resubmitted for review
- I would like to confirm with you whether emission units, "UNIT 185" and "UNIT 186" respectively, are being deleted or added to OP-UA2.
    - Moreover, on form OP-UA2, there were a few typos that I noted, and wanted to share them with you.
        - The two Unit ID numbers that obtain typos are as follows: Unit 928 on page 4, 5, & 6 – typo found with the Index Number, Unit 932 on page 5 & 6 – typo found with the Index Number.
- On form OP-UA-6, there is missing information for a couple of emission units for Index Numbers 63DDDDD-01 through 63DDDDD-05.
    - Information is needed for the following unit IDs and index numbers respectively: Unit ID: **H-1** – Index No.: **63DDDDD-03**, Unit ID: **H-3** – Index No.: **63DDDDD-04**, Unit ID: **H-5** – Index No.: **63DDDDD-05**, Unit ID: **BOI-1** – Index No.: **63DDDDD-01**, and Unit ID: **DEHYBOI** – Index No.: **63DDDDD-02**.

Note- Some units/modifications/requested items were not included in the Working Draft Permit due to deficiencies being found in the application/permit.

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

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

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

Please notify me when these updates have been submitted.

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

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov


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From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Wednesday, February 5, 2025 1:54 PM
To: Samantha Mendez
Cc: Rhyan Stone; Bissonnette, Daniel
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant
Attachments: ed_0900.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Samantha,

I'm working on responding to your questions. One item you mentioned was that PBR 106.352 was not was not adopted or amended on 09/04/2000. However, based on the attached historical PBR document from the TCEQ website, that is a valid effective date. Please confirm whether or not this is accurate.

From: Quesada, Daniel
Sent: Monday, January 20, 2025 7:09 AM
To: 'Samantha Mendez' <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Your request has been received. I'll let you know if I have any questions.

Thanks

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

Enterprise Products

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Friday, January 17, 2025 1:57 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>
Subject: [EXTERNAL] Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Mr. Quesada,

I have been assigned to the Federal Operating Permit (FOP) renewal application of Permit No. O3184 for Enterprise Hydrocarbons LP, Armstrong Gas Plant. This application has been assigned Project No. 37417. Please address all correspondence pertaining to this permit application, including any updates, to me at the address below, and use both the Permit and Project reference numbers above to facilitate tracking.

In addition, I wanted to let you know that EPA has, on occasion, objected to Title V permits based on the following:
a. NSR permit and PBR monitoring sufficiency –please refer to our periodic monitoring guidance for reference of monitoring that EPA has, so far, considered sufficient.
b. Reference to confidential business information (CBI) in NSR permits and PBR submittals.
c. High level terms in the SOP Applicable Requirement Summary Table. The high-level terms are sometimes used in SOPs when unit attribute forms have not yet been updated due to regulatory amendments.
d. Accuracy of PBR information provided on the supplemental table and in the permit – please refer to Forms OP-PBRSUP and OP-REQ1 Instructions.
If you have any questions or concerns on any of these items or think you need to do any additional updates, let me know and we can discuss further.

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

Please review the WDP and submit to me any comments you have regarding it by February 14, 2025. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments.

In addition to the working draft permit, the following deficiencies were found during my review of the renewal application. **Please respond to the following by February 14, 2025.**

- On form OP-REQ1, the NSR Authorization number 17457, is listed with an issuance date of 04/15/2013.
    - This issuance date should be listed as 01/17/2023.
        - Please update section H and submit a revised version of page 89 on form OP-REQ1.
- Additionally, on form OP-REQ1, the PBR number 106.352 is listed with a version no./date of 09/04/2000.

    - PBR 106.352 was not adopted or amended on this date.
        - Please remove this date from section I and submit a revised version of page 89 on form OP-REQ1.
- On form OP-PBRSUP, the unit ID "H-1 Vent".
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    - Information is needed for the following unit IDs and index numbers respectively: Unit ID: **H-1** – Index No.: **63DDDDD-03**, Unit ID: **H-3** – Index No.: **63DDDDD-04**, Unit ID: **H-5** – Index No.: **63DDDDD-05**, Unit ID: **BOI-1** – Index No.: **63DDDDD-01**, and Unit ID: **DEHYBOI** – Index No.: **63DDDDD-02**.

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Thank you for your cooperation.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov


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Permit by Rule, Chapter 106 - September 4, 2000

30 TAC Chapter 106 - Exemptions from Permitting

SUBCHAPTER A: GENERAL REQUIREMENTS
Section Section 106.1, 106.2, 106.4, 106.5, 106.6, 106.13
Effective September 4, 2000

Section 106.1. Purpose.

This chapter identifies certain types of facilities or changes within facilities which the commission has determined will not make a significant contribution of air contaminants to the atmosphere pursuant to the Texas Health and Safety Code, the Texas Clean Air Act (TCAA), Section 382.057 and Section 382.05196.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.2. Applicability.

This chapter applies to certain types of facilities or changes within facilities listed in this chapter where construction is commenced on or after the effective date of the relevant permit by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.4. Requirements for Permitting by Rule.

(a) To qualify for an exemption, the following general requirements must be met.

(1) Total actual emissions authorized under permit by rule from the facility shall not exceed 250 tons per year (tpy) of carbon monoxide (CO) or nitrogen oxides (NOx); or 25 tpy of volatile organic compounds (VOC) or sulfur dioxide (SO2) or inhalable particulate matter (PM10); or 25 tpy of any other air contaminant except carbon dioxide, water, nitrogen, methane, ethane, hydrogen, and oxygen.

(2) Any facility or group of facilities, which constitutes a new major stationary source, as defined in Section 116.12 of this title (relating to Nonattainment Review Definitions), or any modification which constitutes a major modification, as defined in Section 116.12 of this title, under the new source review requirements of the Federal Clean Air Act (FCAA), Part D (Nonattainment) as amended by the FCAA
Amendments of 1990, and regulations promulgated thereunder, must meet the permitting requirements of Chapter 116, Subchapter B of this title (relating to New Source Review Permits) and cannot qualify for a permit by rule under this chapter. Persons claiming a permit by rule under this chapter should see the requirements of Section 116.150 of this title (relating to New Major Source or Major Modification in Ozone Nonattainment Areas) to ensure that any applicable netting requirements have been satisfied.

(3) Any facility or group of facilities, which constitutes a new major stationary source, as defined in 40 Code of Federal Regulations (CFR) Section 52.21, or any change which constitutes a major modification, as defined in 40 CFR Section 52.21, under the new source review requirements of the FCAA, Part C (Prevention of Significant Deterioration) as amended by the FCAA Amendments of 1990, and
regulations promulgated thereunder, must meet the permitting requirements of Chapter 116, Subchapter B of this title and cannot qualify for a permit by rule under this chapter.

(4) Unless at least one facility at an account has been subject to public notification and comment as required in Chapter 116, Subchapter B or Subchapter D of this title (relating to New Source Review Permits or Permit Renewals), total actual emissions from all facilities permitted by rule at an account shall not exceed 250 tpy of CO or NO x ; or 25 tpy of VOC or SO2 or PM10 ; or 25 tpy of any other air contaminant except carbon dioxide, water, nitrogen, methane, ethane, hydrogen, and oxygen.

(5) Construction or modification of a facility commenced on or after the effective date of a revision of this Section or the effective date of a revision to a specific permit by rule in this chapter must meet the revised requirements to qualify for a permit by rule.

(6) A facility shall comply with all applicable provisions of the FCAA, Section 111 (Federal New Source Performance Standards) and Section 112 (Hazardous Air Pollutants), and the new source review requirements of the FCAA, Part C and Part D and regulations promulgated
thereunder.

(7) There are no permits under the same commission account number that contain a condition or conditions precluding the use of a permit by rule under this chapter.

(b) No person shall circumvent by artificial limitations the requirements of Section 116.110 of this title (relating to Applicability).

(c) The emissions from the facility shall comply with all rules and regulations of the commission and with the intent of the TCAA, including protection of health and property of the public, and all emissions control equipment shall be maintained in good condition and operated properly during operation of the facility.

(d) Facilities permitted by rule under this chapter are not exempted from any permits or registrations required by local air pollution control agencies. Any such requirements must be in accordance with TCAA, Section 382.113 and any other applicable law.
Adopted March 7, 2001 Effective March 29, 2001

Section 106.5. Public Notice.

(a) Any registration subject to this chapter that is declared administratively complete on or after September 1, 1999 is subject to the current version of this chapter. Any registration that is declared administratively complete before September 1, 1999 is subject to the December 24, 1998 version of this chapter, and that version of this chapter is continued in effect for this purpose.

(b) Facilities constructed under this chapter that consist of permanently or temporarily located concrete plants that accomplish wet batching, dry batching, or central mixing, or specialty wet batch, concrete, mortar, grout mixing, or pre-cast concrete products, shall conduct public notice of the proposed construction unless exempted from public notice requirements by TCAA, Section 382.058(b). In all
cases, public notice shall comply with the requirements under Chapter 39 of this title (relating to Public Notice) and public articipation shall be subject to Chapter 55 of this title (relating to Requests for Reconsideration and Contested Case Hearing; Public Comment).
Adopted September 2, 1999 Effective September 23, 1999

Section 106.6. Registration of Emissions.

(a) An owner or operator may certify and register the maximum emission rates from facilities exempted under this chapter in order to establish enforceable allowable emission rates which are below the emission limitations in 106.4 of this title (relating to Requirements for Exemption from Permitting).

(b) All representations with regard to construction plans, operating procedures, and maximum emission rates in any certified registration under this Section become conditions upon which the exempt facility shall be constructed and operated.

(c) It shall be unlawful for any person to vary from such representation if the change will cause a change in the method of control of emissions, the character of the emissions, or will result in an increase in the discharge of the various emissions, unless the certified registration is first revised.

(d) The certified registration must include documentation of the basis of emission estimates and a written statement by the registrant certifying that the maximum emission rates listed on the registration reflect the reasonably anticipated maximums for operation of the facility.

(e) The certified registration shall be maintained on-site and be provided immediately upon request by representatives of the Texas Natural Resource Conservation Commission or any air pollution control agency having jurisdiction. If the plant site is unmanned, the regional manager may authorize an alternative site to maintain this documentation. Copies of the certified registration shall be included in applications for permits subject to review under the undesignated heads in Chapter 116, 30 TAC 106 - Subchapter B of this title (relating to New Source Review Permits).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.13. References to Standard Exemptions and Exemptions from Permitting.

The authorizations formerly known as standard exemptions and exemptions from permitting are referred to as permits by rule in this title. Types of facilities and changes within facilities authorized by those standard exemptions and exemptions from permitting continue to be authorized unless modifications or changes to those facilities has caused them to no longer meet the conditions of the former standard exemption or exemption from permitting and the general requirements of this subchapter.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER C : DOMESTIC AND COMFORT HEATING AND COOLING
Section Section 106.101 - 106.103
Effective September 4, 2000

Section 106.101. Domestic Use Facilities.

Any facility constructed and operated at a domestic residence for domestic use is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.102. Comfort Heating.

This Section permits by rule combustion units designed and used exclusively for comfort heating purposes employing liquid petroleum gas, natural gas, solid wood, or distillate fuel oil. Distillate fuel oil includes diesel fuel, kerosene, and heating oil Grades 4 and lighter. Distillate fuel oil does not include heavier residual oils such as Grades 5 and 6 fuel oil. Combustion of bark chips, sawdust, wood chips, treated wood, or wood contaminated with chemicals is not included. Used oil that has not been mixed with hazardous waste may be used as fuel in space heaters provided that:

(1) the space heater or combination of space heaters at the same account have a maximum capacity of 1.0 Million Btu per hour (MMBtu/hr) provided each individual heater is not greater than 0.5 MMBtu/hr;

(2) the combustion gases from the heater(s) are vented to the ambient air in accordance with the following requirements:

(A) through an unobstructed vertical vent; or

(B) for a stack with a cap;

(i) for a flat roof, through a minimum of a three-foot stack; or

(ii) for a sloped roof, through a stack that is three feet higher than a point extending ten feet horizontally from the roof; and

(3) the heater(s) burns only used oil that the owner or operator generates on-site or used oil received from household do-it-yourself used oil generators.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.103. Air Conditioning and Ventilation Systems.

Comfort air conditioning systems or comfort ventilating systems which are not used to remove air contaminants generated by or released from specific units of equipment are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER D : ANALYSIS AND TESTING
Section Section 106.121 - 106.124
Effective September 4, 2000

Section 106.121. Hydraulic and Hydrostatic Testing Equipment.

Equipment used for hydraulic or hydrostatic testing is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.122. Bench Scale Laboratory Equipment.

Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analyses are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.123. Vacuum-producing Devices for Laboratory Use.

Vacuum-producing devices used in laboratory operations are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.124. Pilot Plants.

Any new or modified pilot plant is permitted by rule, provided the following conditions of this Section are met.

(1) For purposes of this Section , a pilot plant is defined as a facility that is constructed and operated only for one of the following purposes:

(A) testing the manufacturing or marketing potential of a proposed product; or

(B) defining the design of a larger plant; or

(C) studying the behavior of an existing plant through modeling in the pilot plant.

(2) The sum of product, co-product, and by-product production design capacity from the pilot plant shall not exceed five million pounds per year.

(3) Operation of the pilot plant for purposes of testing market potential of a product, co-product, or by-product may not occur beyond the end of the fifth calendar year from the year of initial production (year 1) of the specific product, co-product, or by-product, unless a permit is obtained under Section 116.110 of this title (relating to Applicability). This five-year limit on pilot plant activity applies to equipment devoted to development of one specific product or process; therefore, that equipment can be subsequently used for development of other process(es) or product(s), setting a new time limit for its use.

(4) The pilot plant shall be located at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.

(5) New or increased emissions shall not exceed 6.0 pounds per hour (lb/hr) and ten tons per year in total (including fugitives) and shall not exceed 1.0 lb/hr at any single stack (excluding fugitives). In addition, total new or increased emissions of each specific chemical shall not exceed the most stringent applicable requirement of the following:

(A) the chemical-specific emission limits determined by Section 106.262(3) of this title (relating to Facilities (Emission and Distance Limitations));

(B) the chemical-specific emission limits determined by Section 106.261(4) of this title (relating to Facilities (Emission Limitations)); or

(C) 6.0 lb/hr for any simple asphyxiant as defined by the American Conference of Governmental Industrial Hygienists.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER E: AGGREGATE AND PAVEMENT
Section Section 106.141 - 106.150
Effective September 4, 2000

Section 106.141. Batch Mixers.

Batch mixers with rated capacity of five cubic feet or less for mixing cement, sand, aggregate, additives, and/or water or similar materials are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.142. Rock Crushers.

Any rock crusher with a maximum rated capacity of 200 tons per hour or less that operates according to the following conditions of this Section is permitted by rule:

(1) operating schedule of the plant does not exceed 1,600 hours per year;

(2) all in-plant haul roads and stockpiles are sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions;

(3) water sprays are located at all belt transfer points, shaker screens, and inlet and outlet of all crushers and used as necessary to achieve maximum control of dust emissions;

(4) the plant is located at least 1/2 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located;

(5) the plant is located at least 1,000 feet from any state or federal highway not currently under maintenance or construction;

(6) before construction of the facility begins, written site approval is received from the executive director and the facility shall be registered with the commission using Form PI-7, including a current Table 17.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.143. Wet Sand and Gravel Production.

Any wet sand and gravel production facility that obtains its material from subterranean and subaqueous beds where the deposits of sand and gravel are consolidated granular materials resulting from natural disintegration of rock and stone and whose production rate is 500 tons per hour or less is permitted by rule. All permanent in-plant roads shall be paved and cleaned as necessary or watered as necessary to achieve maximum control of dust emissions.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.144. Bulk Mineral Handling.

All bulk mineral product (except asbestos) handling facilities that operate in compliance with the following conditions of this Section are permitted by rule.

(1) All material shall be transported in a closed conveying system and all exhaust air to the atmosphere shall be vented through a fabric filter having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with automatic air cleaning.

(2) All permanent in-plant roads and vehicle work areas shall be watered, treated with dust-suppressant chemicals, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(3) The facility (including associated stationary equipment and stockpiles) shall be located at least 300 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the property upon which the facility is located.

(4) Before construction begins, written site approval must be received from the executive director and the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.

Adopted August 9, 2000 Effective September 4, 2000

Section 106.145. Bulk Sand Handling.

All oil well servicing bulk sand handling facilities that operate according to the following conditions of this Section are permitted by rule.

(1) All sand shall be prewashed.

(2) All handling of sand shall be mechanical or, if conveyed pneumatically, the conveying air shall be vented to the atmosphere through a fabric filter(s) having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with air cleaning.

(3) All permanent in-plant roads and vehicle work areas shall be watered, treated with dust- suppressant chemicals, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(4) The facility (including associated stationary equipment and stockpiles) shall be located at least 300 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the property upon which the facility is located.

(5) Before construction begins, the owner or operator shall file with the commission's Office of Permitting, Remediation, and Registration in Austin a completed Form PI-7 and supporting documentation demonstrating that all of the requirements of the permit by rule will be met.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.146. Soil Stabilization Plants.

Any soil stabilization facility that operates according to the following conditions of this Section is permitted by rule.

(1) All bulk storage silos shall be equipped with fabric filter(s) having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with automatic air cleaning.

(2) All conveyor belts transferring dry material to the pug mill shall be top covered.

(3) The pug mill used to mix the materials shall be covered.

(4) All permanent in-plant roads and vehicle work areas shall be watered, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(5) An audible and/or visible mechanism shall be installed on the storage silo(s) to notify operators that the silo is full.

(6) All stockpiles shall be sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions.

(7) When emulsified asphalt is used as the stabilizing admixture, the emulsified asphalt shall be stored in a container used exclusively for emulsified asphalt storage. Transfer of emulsified asphalt from the storage tank to the pug mill shall be accomplished by means of a pump and metering device.

(8) Before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Permitting, Remediating, and Registration in Austin using Form PI-7.

(9) The facility shall be located at least 300 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located. This distance limitation does not apply to structures within the boundaries of the project for which the facility is to process stabilized soil when the facility is located on or contiguous to the project.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.147. Asphalt Concrete Plants.

Any asphalt concrete facility that complies with 40 Code of Federal Regulations Part 60, Subparts A and I and operates according to the following conditions of this Section is exempt.

(1) A New Source Performance Standard pretest meeting concerning the required stack sampling shall be held with commission personnel before the required tests are performed. Air contaminants to be tested for will be determined at the pretest meeting. Stack sampling requirements will not be required by the executive director, provided that:

(A) the applicant submits adequate documentation (including copies of previous test results of the model hot mix plant proposed, including a description of the aggregate materials used in previous tests) demonstrating compliance with the 0.04 grain per dry standard cubic feet allowable;

(B) visible emissions from the exhaust stack are documented at 5.0% or less opacity averaged over six consecutive minutes.

(2) Fuel for dryers shall be sweet natural gas as defined in Chapter 101 of this title (relating to General Rules) or liquid petroleum gas, diesel, or fuel oil with a maximum sulfur content of 1.5%.

(3) All aggregate stockpiles shall be sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions.

(4) All permanent in-plant roads shall be watered, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(5) The plant is located at least 1/2 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.

(6) Before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7, including a current Table 22.

(7) Emissions of particulate matter, sulfur dioxide, or organic compounds shall not exceed 25 tons per year each. Adopted August 9, 2000 Effective September 4, 2000

Section 106.148. Material Unloading.

Railcar or truck unloading of wet sand, gravel, aggregate, coal, lignite, and scrap iron or scrap steel (but not including metal ores, metal oxides, battery parts, or fine dry materials) into trucks or other railcars for transportation to other locations is permitted by rule, provided the following conditions of this Section are met.

(1) Bulk materials shall not be stored on-site.

(2) Water sprays or the equivalent must be installed and used as necessary at material handling operations to achieve maximum control of dust emissions.

(3) All permanent in-plant roads and vehicle work areas shall be watered, treated with dust-suppressant chemicals, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.149. Sand and Gravel Processing.

Any sand and gravel production facility that obtains its material from deposits of sand and gravel consisting of natural disintegration of rock and stone is permitted by rule, provided that the ollowing conditions of this Section are satisfied:

(1) crushing or breaking operations are not used;

(2) no blasting is conducted to obtain the material;

(3) water sprays are installed on the plant at all screens and transfer points and used as necessary to achieve maximum control of dust emissions;

(4) the area where the sand and gravel is obtained shall be sprinkled with water as necessary to achieve maximum control of dust emissions before the material is removed and transported for processing;

(5) all in-plant roads shall be paved and cleaned or sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions;

(6) the plant is located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located;

(7) the production rate is 50 tons per hour or less.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.150. Asphalt Silos.

Any silo used to store hot mix asphalt or asphalt emulsion concrete mixtures which meets the following conditions of this Section is permitted by rule:

(1) no cutback asphalt mixtures are stored;

(2) for silos on location for more than six months, all truck traffic areas are paved and cleaned as necessary to achieve maximum control of dust emissions and for those silos on location for six months or less, the truck traffic areas are sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions;

(3) fuel used for heating the silo is sweet natural gas as defined in Chapter 101 of this title (relating to General Air Quality Rules) or liquid petroleum gas or first run refinery grade diesel or Number 2 fuel oil that is not a blend containing waste oils or solvents and that contains less that 0.5% by weight sulfur;

(4) the silo(s) is located at least 300 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the property upon which the silo(s) is located;

(5) before construction begins, written site approval is received from the executive director and the facility is registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER F : ANIMAL CONFINEMENT
Section Section 106.161 - 106.163
Effective September 4, 2000

Section 106.161. Animal Feeding Operations.

Animal feeding operations which confine animals in numbers specified in paragraph (1) of this Section and any associated on-site feed handling and/or feed milling operations which satisfy the following conditions of this Section are permitted by rule.

(1) Operations designed to feed no more than:

(A) 1,000 cattle;

(B) 1,000 horses and mules;

(C) 2,500 swine weighing more than 55 pounds;

(D) 10,000 sheep and goats; or

(E) 1,000 animal equivalents.

(2) Where a combination of cattle, swine weighing over 55 pounds, horses and mules, or sheep and goats are present, animal equivalents shall be calculated by adding the following numbers.

1.0 x (number of cattle)
+ 0.4 x (number of swine weighing over 55 pounds)
+ 2.0 x (number of horses and mules)
+ 0.1 x (number of sheep and goats)
==========
Total = animal equivalents.

(3) In determining the number of animals or animal equivalents, mothers with nursing young shall be counted as a single animal while the young are nursing. Once removed from the mother, the young animals shall be counted when determining the number of animals or animal equivalents. Swine weighing 55 pounds or less shall be allowed, but not counted in determining the number of animals or animal equivalents. Animals on pasture are not considered as part of the animal feeding operation.

(4) Operations designed to feed no more than 55,000 turkeys or other birds, excluding ducks, concentrated on open lots.

(5) Operations designed to feed no more than 5,000 ducks.

(6) All caged poultry operations designed to feed no more than 30,000 birds.

(7) All housed poultry operations when wood shavings or similar material is used as litter.

(8) All caged poultry operations designed to feed more than 30,000 birds when a dry manure storage and handling system is used and when located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the egg laying or caged pullet operation. Before construction of the caged laying and caged pullet operations begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration using Form PI-7.

(9) For the associated on-site feed handling and/or feed milling operations to be covered under this Section , no products from the feed handling and or feed milling shall be shipped off-site.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.162. Livestock Auction Facilities.

Livestock auction sales facilities are permitted by rule, provided the following conditions of this Section are satisfied.

(1) All holding pens shall be covered by a roof.

(2) All traffic areas shall be paved and cleaned, oiled, or sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions.

(3) Manure shall be cleaned from pens as necessary to prevent an odor nuisance and disposed of in a manner which will not create a nuisance.

(4) Dead animals shall be properly disposed of within 24 hours after death.

(5) The facility shall be located at least 600 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of this facility.

(6) Before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.163. Race Tracks, Zoos, and Animal Shelters.

All animal racing facilities, domestic animal shelters, zoos, and their associated confinement areas, stables, feeding areas, and waste collection and treatment facilities are permitted by rule. Incineration units are not authorized under this Section .
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER G: COMBUSTION
Section Section 106.181 - 106.183
Effective September 4, 2000

Section 106.181. Used-Oil Combustion Units.

Small boilers and heaters burning used oil that has not been mixed with hazardous waste are permitted by rule provided that all of the following conditions are met:

(1) the combustion unit or combination of combustion units at the same account have a maximum capacity of 1.0 million Btu per hour (MMBtu/hr) and each individual combustion unit is not greater than 0.5 MMBtu/hr;

(2) the combustion gases from the combustion unit(s) are vented to the ambient air in accordance with the following requirements:

(A) through an unobstructed vent; or

(B) through a vertical vent with a cap; and

(i) a flat roof, through a minimum of a three-foot stack; or

(ii) a sloped roof, through a stack that is at least three feet higher than the highest point on the roof or three feet higher than a point extending ten feet horizontally from the roof; and

(3) the combustion unit(s) burns only used oil the owner or operator generates on-site or used oil received from household do-it-yourself used oil generators.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.182. Ceramic Kilns.

Kilns used for firing ceramic ware, heated exclusively by natural gas, liquid petroleum gas, electricity, or any combination thereof are permitted by rule where the conditions of this Section are met:

(1) the total heat input is ten million British thermal units per hour or less; and

(2) there are no emissions of lead, beryllium, or fluorides, and emissions of sulfur dioxide and particulate matter from both the material being fired and fuel burned do not exceed 25 tons per year of either air contaminant.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.183. Boilers, Heaters, and Other Combustion Devices.

Boilers, heaters, drying or curing ovens, furnaces, or other combustion units, but not including stationary internal combustion engines or turbines are permitted by rule, provided that the following conditions are met.

(1) The only emissions shall be products of combustion of the fuel.

(2) The maximum heat input shall be 40 million British thermal unit (Btu) per hour with the fuel being:

(A) sweet natural gas;

(B) liquid petroleum gas;

(C) fuel gas containing no more than 0.1 grain of total sulfur compounds, calculated as sulfur, per dry standard cubic foot; or

(D) combinations of the fuels in subparagraphs (A) - (C) of this paragraph.

(3) Distillate fuel oil shall be fired as a backup fuel only. Firing shall be limited to 720 hours per year. The fuel oil shall contain less than 0.3% sulfur by weight and shall not be blended with waste oils or solvents.

(4) All gas fired heaters and boilers with a heat input greater than ten million Btu per hour (higher heating value) shall be designed such that the emissions of nitrogen oxides shall not exceed 0.1 pounds per million Btu heat input.

(5) Records of hours of fuel oil firing and fuel oil purchases shall be maintained on-site on a two-year rolling retention period and made available upon request to the commission or any local air pollution control agency having jurisdiction.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER H : CONCRETE BATCH PLANTS
Section Section 106.201 - 106.203
Effective September 4, 2000

Section 106.201 Permanent and Temporary Concrete Batch Plants

Any permanently or temporarily located concrete plant that accomplishes wet batching, dry batching, or central mixing, and operates in compliance with the following conditions of this Section is exempt. For purposes of this Section , a temporarily located concrete facility is one that occupies a designated site for not more than 180 consecutive days or supplies concrete for a single public works project or for the same contractor for related project segments, but not other unrelated projects.

(1) All stockpiles shall be sprinkled with water and/or dust-suppressant chemicals as necessary to achieve maximum control of dust emissions. The stockpile sprinkler system shall be operable at all times.

(2) A mechanism shall be installed on each bulk storage silo to warn operators when the silo is full.

(3) All permanent in-plant roads (batch truck and material delivery truck roads) shall be paved with a cohesive hard surface that can be repeatedly swept, washed, and maintained intact and cleaned as necessary to achieve maximum control of dust emissions. All batch trucks and material delivery trucks shall remain on a paved surface when entering, conducting primary functions, and leaving the property. Other areas on the property subject to vehicle traffic shall be watered, treated with dust-suppressant chemicals, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(4) The cement weigh hopper shall be vented to its own fabric filter or the central collection system specified in paragraph (6) of this Section .

(5) All bulk storage silos shall be equipped with fabric filter(s) having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with automatic air cleaning or shall be vented to the central collection system specified in paragraph (6) of this Section .

(6) The dust emissions at the batch drop point (drum feed for central mix plants) shall be controlled by a shroud or other pickup device delivering a minimum of 4,000 actual cubic feet per minute of air to a fabric filter with automatic air cleaning and a 7.0 ft/min maximum filtering velocity, or automatic sequenced mechanical cleaning (not manually activated) and a 5.25 ft/min maximum filtering velocity.

(7) Unless the facility is to be located temporarily in or contiguous to the right-of-way of a public works project, public notice and opportunity for public hearing, as specified in Section 106.5 of this title (relating to Public Notice), must be published and documentation provided to the commission. A temporarily located plant exempt from public notice may provide concrete for the same contractor for project segments with the same governmental entity, but may not produce concrete for other unrelated projects or other governmental entities.

(8) Spillage of cement and fly ash used in the batch shall be cleaned up immediately and contained or dampened so that dust emissions from wind erosion and/or vehicle traffic are minimized.

(9) All open-bodied vehicles transporting material from a dry batch plant to the paving mixer(s) shall be loaded with a final layer of wet sand and/or the truck shall be covered with a tarp to reduce the emissions of dust to the minimum level possible under existing conditions.

(10) Before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7, including a current Table 20.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.202 Temporary Concrete Batch Plants

Any temporarily located concrete facility that accomplishes wet batching, dry batching, or central mixing and operates according to the following conditions of this Section is exempt. For purposes of this Section , a temporarily located concrete facility is one that occupies a designated site for not more than 180 consecutive days or supplies concrete for a single public works project or for the same contractor for related project segments, but not other unrelated projects.

(1) All bulk storage silos, including auxiliary bulk storage trailers (pigs), shall be equipped with fabric filter(s) having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with automatic air cleaning or are vented to the central collection system specified in paragraph (6) of this Section .

(2) The cement weigh hopper shall be vented to a control device which eliminates visible emissions or vented inside the charging hopper of the transit mix truck if controlled by a suction shroud.

(3) A visible and/or audible warning mechanism shall be installed on each silo or auxiliary bulk storage trailer to warn operators that the silo or trailer (pig) is full.

(4) All in-plant roads (batch truck and material delivery truck roads) and areas between stockpiles and conveyor hoppers shall be watered, treated with dust-suppressant chemicals, oiled, or paved with a cohesive hard surface that can be repeatedly swept, washed, and maintained intact and cleaned as necessary to achieve maximum control of dust emissions.

(5) All stockpiles shall be sprinkled with water and/or dust-suppressant chemicals as necessary to achieve maximum control of dust emissions. An operable stockpile watering system shall be on-site at all times.

(6) Loading of rotary mix trucks at wet batch plants shall be through a discharge spout equipped with a water fog ring having low-velocity fog nozzles spaced to create a continuous fog curtain that controls dust emissions, or through a suction shroud which is vented to a central collection system with a minimum of 4,000 actual cubic feet per minute (acfm) of air to a fabric filter with air cleaning and a 7.0 ft/min maximum filtering velocity or automatic sequenced mechanical cleaning and a 5.25 ft/min maximum filtering velocity.

(7) Dust emissions from the loading of open-bodied trucks at the batch drop point of dry batch plants, or dust emissions from the drum feed for central mix plants shall be controlled by a suction shroud which is vented to a central collection system with a minimum of 4,000 acfm of air to a fabric filter with air cleaning and a 7.0 ft/min maximum filtering velocity or automatic sequenced mechanical cleaning (not manually activated) and a 5.25 ft/min maximum filtering velocity. Suction shrouds at dry batch plants shall be used for closure over the receiving vehicle compartment or bed.

(8) Spillage of cement and fly ash used in the batch shall be cleaned up immediately and contained or dampened so that dust emissions from wind erosion and/or vehicle traffic are minimized.

(9) The facility (including associated stationary equipment and stockpiles) shall be located at least 300 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the property upon which the facility is located. This distance limitation does not apply to structures within the boundaries of the project for which the facility is to pour concrete when the facility is located on or contiguous to the project.

(10) Unless the facility is to be located temporarily in or contiguous to the right-of-way of a public works project, public notice and opportunity for public hearing, as specified in Section 106.5 of this title (relating to Public Notice), must be published and documentation provided to the commission. The temporarily located plant exempt from public notice may provide concrete for the same contractor for project segments with the same governmental entity, but may not produce concrete for other unrelated projects or other governmental entities.

(11) All open-bodied vehicles transporting material from a dry batch plant to the paving mixer(s) shall be loaded with a final layer of wet sand and/or the truck shall be covered with a tarp to reduce the emissions of dust to the minimum level possible under existing conditions.

(12) Before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7, including a current Table 20. The current Table 20 shall be on file at each plant site.

(13) The appropriate regional office and local air pollution agency shall be notified when the plant changes location and prior to starting operations at each plant site.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.203 Specialty Batch Plants

Any specialty wet batch, concrete, mortar, grout mixing, or pre-cast concrete products plant that operates according to the following conditions of this Section is exempt.

(1) Plant capacity shall not exceed 30 cubic yards per hour with mixer size not to exceed 2.5 cubic yards.

(2) All stockpiles are sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions.

(3) Dust emissions at the batch mixer feed shall be controlled by a water spray device which eliminates visible emissions, or a pickup device delivering air to a fabric filter with automatic air cleaning and a 7.0 feet per minute (ft/min) maximum filtering velocity, or automatic sequenced mechanical cleaning and a 5.25 ft/min maximum filtering velocity, or the entire mixing operation is conducted inside the enclosed process building such that no visible emissions from the building occur during mixing activities, or the batch mixer feed is enclosed such that no visible emissions occur.

(4) Fabric filter(s) with a maximum filtering velocity of 4.0 ft/min with an acceptable method of cleaning shall be installed on each storage silo or the silo shall be vented to the control collection system.

(5) A visible and/or audible warning mechanism shall be installed on each silo for warning operators that the silo is full, so that it will not be overloaded at any time.

(6) All permanent in-plant roads (batch truck and material delivery truck roads) are oiled or paved and cleaned as necessary to achieve maximum control of dust emissions. Other areas on the property subject to vehicle traffic shall be oiled or sprinkled with water as necessary to achieve maximum control of dust emissions.

(7) The transfer of cement from the storage silo(s) shall be handled through closed conveying systems with no visible fugitive emissions.

(8) The cement weigh hopper shall be vented to a control device which eliminates visible emissions, or shall be vented inside the batch mixer.

(9) Good housekeeping measures shall be maintained at all times.

(10) Before construction of the facility begins, written site approval is received from the executive director and the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7, including a current Table 20.

(11) Unless the plant is to be located temporarily in the right-of-way of a public works project, public notice and opportunity for public hearing, as specified in Section 106.5 of this title (relating to Public Notice), has been published and documentation thereof has been provided to the commission.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER I : MANUFACTURING
Section Section 106.221, 106.223 - 106.229, 106.231
Effective September 4, 2000

Section 106.221. Extrusion Presses.

Presses used exclusively for extruding metals, minerals, plastics, rubber, or wood are permitted by rule except where halogenated carbon compounds or hydrocarbon solvents are used as foaming agents. Presses used for extruding scrap materials or reclaiming scrap materials are not permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.223. Saw Mills.

Sawmills processing no more than 25 million board feet, green lumber tally of wood per year, in which no mechanical drying of lumber is performed and which meet all of the following provisions of this Section are permitted by rule.

(1) The mill shall be located at least 500 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.

(2) All in-plant roads and vehicle work areas shall be watered, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(3) All sawmill residues (sawdust, shavings, chips, bark) from debarking, planing, saw areas, etc., shall be removed or contained to minimize fugitive particulate emissions. Spillage of wood residues shall be cleaned up as soon as possible and contained such that dust emissions from wind erosion and/or vehicle traffic are minimized.

(4) All sawmill residues shall be mechanically conveyed by belts and/or drag chains to a collection area for disposal or if a pneumatic collection system is utilized, the air must exhaust to a fabric or cartridge filter with air cleaning and a filtering velocity no greater than 7.0 ft/min (air-to-cloth ratio = 7.0), or automatic sequenced mechanical cleaning and a filtering velocity no greater than 5.0 ft/min (airto-cloth ratio = 5.0), or a system found to be equivalent by the appropriate regional office.

(5) Disposal of collected sawmill residues must be accomplished in a manner which will prevent the material from becoming airborne. Disposal by means of burning is prohibited unless it is conducted in an approved incinerator.

(6) All open-bodied vehicles transporting sawmill residues (sawdust, shavings, chips, bark) shall be covered with a tarp to achieve maximum control of particulate emissions.

(7) There will be no visible emissions at the property line from the facility or equipment.

(8) Before construction of the facility begins, written site approval must be received from the director of the commission's Office of Permitting, Remediation, and Registration in Austin and the facility shall be registered with that office using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.224. Aerospace Equipment and Parts Manufacturing.
Any new aerospace equipment and parts manufacturing plant, or physical and operational change to an existing aerospace equipment and parts manufacturing plant are permitted by rule, provided that the following conditions of this Section are satisfied.

(1) For purposes of this Section , aerospace equipment and parts manufacturing plant means the entire operation on the property which engages in the fabrication or assembly of parts, tools, or completed components of any aircraft, helicopter, dirigible, balloon, missile, drone, rocket, or space vehicle. This permit by rule will not include composite aerospace equipment and parts manufacturing plants. Composite plants are defined to be plants whose products are less than 50% metal, by weight, based on annual production figures. This definition excludes those operations specifically authorized by other permits by rule. For example, a boiler would not be considered a part of the aerospace manufacturing plant, but could be authorized under Section 106.181 of this title (relating to Small Boilers, Heaters, and Other Combustion Devices), if all pertinent requirements were met.

(2) Emission points associated with the aerospace equipment and parts manufacturing plant or changes to that plant shall be located at least 100 feet from any off-plant receptor. Off-plant receptor means any recreational area or residence or other structure not occupied or used solely by the owner or operator of the aerospace equipment and parts manufacturing plant or the owner of the property upon which the aerospace plant is located. Controlled access recreational areas owned by the property owner or the owner or operator of the aerospace plant are not off-plant receptors.

(3) The total annual emissions, in tons per year, of the following air contaminants authorized under this Section , on a cumulative basis, from the entire aerospace manufacturing plant shall not exceed the values specified:

(A) inhalable particulate matter - five tons per year (tpy);

(B) volatile organic compounds (VOC) - 15 tpy;

(C) acid gases or vapors - five tpy;

(D) non-VOC carbon compound emissions - ten tpy;

(E) total of air contaminants in subparagraphs (A) - (D) of this paragraph - 25 tpy.

(4) Hourly emissions of total new or increased emissions, including fugitives, of particulate matter or chemicals listed or referenced in Table 262 of Section 106.262 of this title (relating to Facilities (Emission Distance Limitations)), shall not exceed the hourly emission rate, E, as determined using the equation, E = L/K lb/hr and Table 224A, where:

E = maximum allowable hourly emission, lb/hr,
L = limit value (see Table 262), milligrams per cubic meter,
K = value from Table 224A (interpolate intermediate values), and
D = distance to the nearest off-plant receptor from the closest affected emission point.

TABLE 224A

D,Feet	K
100	326
200	200
300	139
400	104
500	81
600	65
700	54
800	46
900	39
1,000	34
2,000	14
3,000 or more	8

(5) Before construction or change in operation begins, registration shall be submitted to the commission's Office of Permitting, Remediation, and Registration in Austin using a completed Form PI-7. The emission data provided in the PI-7 shall include all process emission sources at the plant, both existing and proposed, and shall be the maximum allowed emissions for permitted units, the actual emissions for existing grandfathered units or units permitted by rule, and the projected maximum allowable emissions for proposed units. Emissions shall be speciated by chemical compound and the stack parameters, as appropriate, for each emission source shall be provided. Registration shall include a description of the project, calculations, and data identifying specific chemical names, "L" values, "D" values, and a description of pollution control equipment, if any.

(6) An emissions inventory shall be compiled and/or updated on an annual basis for all process emission sources on the property, maintained on a two-year rolling retention cycle, and made available upon request by the executive director. The inventory records should include the basis for all emissions estimates, sample calculations, and material usage records. Material and solvent usage records shall be maintained in sufficient detail to document compliance with this Section .

(7) There shall be no visible emissions from each existing and proposed stack, hood, vent, or opening to the atmosphere.

(8) Any facility in which any chemical listed in subparagraph (D) of this paragraph will be handled or stored as a liquid or a compressed gas in a compound mixture of a concentration greater than 10% by weight or an aqueous solution of any chemical listed in subparagraph (D) of this paragraph greater than 50% by weight shall comply with subparagraphs (A) - (C) of this paragraph.

(A) The facility shall be located at least 300 feet from the nearest property line and 600 feet from any off-plant receptor.

(B) The cumulative amount of any one of the chemicals listed in subparagraph (D) of this paragraph, resulting from one or more authorizations under this Section , shall not exceed 500 pounds on the plant property.

(C) Any chemical listed in subparagraph (D) of this paragraph shall be handled only in containers operated in compliance with United States Department of Transportation regulations (49 Code of Federal Regulations, Parts 171-178).

(D) Listed chemicals are: acrolein, ammonia, bromine, carbon disulfide, chlorine, ethy mercaptan, hydrogen chloride, hydrogen bromide, hydrogen cyanide, hydrogen fluoride, hydrogen sulfide, phosphine, sulfur dioxide, methyl bromide, methyl isocyanate, methyl mercaptan, nickel carbonyl, phosgene.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.225. Semiconductor Manufacturing.

Modifications, additions, or relocations of equipment (excluding add-on controls) used for semiconductor manufacturing operations that result in the addition, increase, or substitution of an air contaminant are permitted by rule provided the following conditions of this Section are satisfied.

(1) The following is a list of definitions for this Section .

(A) **Permitted air contaminants** - The individual chemical compounds represented in the latest permit or permit amendment application approved by the executive director.

(B) **Ground Level Contaminant (GLC1)(max) new** - The maximum hourly offproperty GLC resulting from the new emission rate of air contaminant 1.

(C) **GLC1(receptor) new** - The maximum hourly off-property GLC at the sensitive receptor with the highest possible impacts resulting from the new emission rate of air contaminant 1.

(D) **GLC2(max)** - The maximum hourly off-property GLC resulting from the emission rate of air contaminant 2.

(E) **GLC2(receptor)** - The maximum hourly off-property GLC at the sensitive receptor with the highest possible impacts resulting from the emission rate of air contaminant 2.

(F) **ESL1** - The 30-minute Effects Screening Level (ESL) published in the commission's ESL list dated April 10, 1995, for air contaminant 1.

(G) **ESL2** - The 30-minute ESL published in the commission's ESL list dated April 10, 1995, for air contaminant 2.

(2) New emissions or an emission increase of any air contaminant less than 0.04 pounds per hour (sitewide) are exempt from all conditions of this Section except paragraphs (3), (11), and (l2) of this Section .

(3) A permit has been issued by the commission for at least one emission source owned by the person using this Section on the same property for which this Section is being claimed.

(4) The facility's baseline GLCs of the permitted air contaminants have been determined using air dispersion modeling or other methods.

(5) New emission points are not authorized by this Section .

(6) There will be no change in method of control for any air contaminants as represented in the latest permit or permit amendment application approved by the executive director.

(7) Increases of a permitted air contaminant shall meet all of the following criteria:

(A) GLC1(max)new # 2ESL1;

(B) GLC1(receptor)new # ESL1.

(8) Additions of a non-permitted air contaminant, substitutions of a non-permitted air contaminant for a permitted air contaminant, and substitutions of one permitted air contaminant for another permitted air contaminant shall meet all of the following criteria:

(A) GLC2(max)new # 2ESL2;

(B) GLC2(receptor)new # ESL2.

(9) If the commission ESL list dated April 10, 1995, does not include the air contaminant to be added or substituted, the permittee must use an ESL derived by the commission's Toxicology and Risk Assessment Division. The ESL shall be obtained in writing prior to the use of the new substance.

(10) The cumulative net annual emission increases of the following categories of air contaminants from multiple uses of this Section shall not exceed the following values:

(A) particulate matter - five tons per year (tpy);

(B) volatile organic compounds (VOCs) - 15 tpy;

(C) non-VOCs - five tpy;

(D) acids/bases - ten tpy;

(E) any other air contaminant - five tpy;

(F) total of all emission increases - 25 tpy.

(11) The applicable ground-level concentration limits in Chapters 111, 112, and 113 of this title (relating to Control of Air Pollution from Visible Emissions and Particulate Matter; Sulfur Compounds; and Toxic Materials) shall not be exceeded.

(12) Within 30 days of use of this Section , the permittee shall maintain documentation that demonstrates all applicable conditions of this Section were satisfied. The documentation shall be made available to the commission upon request.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.226. Paints, Varnishes, Ink, and Other Coating Manufacturing.

Coating manufacturing operations including raw material storage, weighing, mixing, milling, grinding, thinning, and packaging are permitted by rule, provided the conditions of this Section are met.
Coating manufacturing is defined as combining ingredients that are manufactured off-site to make paints, varnishes, sealants, stains, adhesives, inks, pigments, maskants, and paint strippers, etc.
Resin manufacturing is not permitted by rule under this Section .

(1) Materials usage shall not exceed the following rates:

(A) 345,000 gallons per year of solvent for all operations at a coating manufacturing site; and

(B) 200,000 pounds of dry powder per year for all operations at a coating manufacturing site.

(2) Operations involving powders which contain more than 0.1% by weight of chromium, cadmium, asbestos, lead, arsenic, cobalt, or strontium are not authorized by this Section .

(3) The following conditions must be met to prevent and control emissions.

(A) There shall be no visible emissions from any emission point.

(B) Bags or sacks of dry powders shall be opened within an enclosed bag slitter or within an enclosed area.

(C) Material transfer, storage operations, or other similar operations shall be conducted in enclosed or covered containers which are opened only as necessary for transfer of ingredients.

(D) Mixing, milling, packaging, and filling operations shall be conducted under a hood or within an enclosure designed to capture emissions, which shall then be vented externally or through a carbon adsorption system.

(E) Operations which involve dry powders or pigments shall be vented through a filter.

(F) Any spills of dry powders or solvents shall be cleaned up promptly in a manner designed to control emissions.

(G) Waste materials shall be stored in covered containers and disposed of properly.

(4) Emissions from any operation which are vented externally shall be exhausted using forced air through a stack with an unobstructed vertical discharge. The stack must be, at a minimum, four feet above the peak of the roofline.

(5) The owner or operator of the facility shall keep records of all liquid and solid material usage rates on a monthly basis to demonstrate compliance with paragraph (1) of this Section . The usage data shall be maintained for the most recent 24-month period.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.227. Soldering, Brazing, Welding.

Brazing, soldering, or welding equipment, except those which emit 0.6 ton per year or more of lead, are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.228. Platen Presses for Laminating.

Platen presses used for laminating are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.229. Textile Dyeing and Stripping Equipment.

Equipment used exclusively for the dyeing or stripping of textiles is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.231. Manufacturing, Refinishing, and Restoring Wood Products.

Facilities, including drying or curing ovens, and hand-held or manually operated equipment, used for manufacturing, refinishing, and/or restoring wood products that meet the following requirements are permitted by rule.

(1) If a pneumatic sawdust collection system is used, it must be followed by a filter with no visible emissions.

(2) Waste materials shall be stored and disposed of properly. There shall be no visible emissions leaving the property.

(3) If the total coatings, solvents, and stripping agents used exceeds six gallons per day (gpd) or one gpd of methylene chloride, the following requirements must be met:

(A) the application area must be exhausted using forced air through a stack with an unobstructed vertical discharge above the peak of the roof line; and

(B) in addition to the requirements of subparagraph (A) of this paragraph, if application is made by spraying, the application area must also be vented through a filter system with a minimum particulate removal efficiency of 95%.

(4) Purchase receipts for total coatings, solvents, and stripping agents for the most recent 24 months must be kept on site and be made immediately available upon request of personnel from the agency or any other air pollution control agency having jurisdiction. If the total materials purchased exceeds 550 gallons in any one month, records of the amount of materials used per month must be kept on-site to demonstrate that total emissions do not exceed 25 tons per year in any consecutive 12 months.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER J : FOOD PREPARATION AND PROCESSING
Section Section 106.241 - 106.245
Effective September 4, 2000

Section 106.241. Slaughterhouses.

Any facility where animals or poultry are slaughtered and prepared for human consumption provided that waste products such as blood, offal, and feathers are stored in such a manner as to prevent the creation of a nuisance condition and these waste products are removed from the premises daily or stored under refrigeration until removed are permitted by rule. In addition, areas used to hold animals or poultry for slaughter shall be kept dry and clean to control odors.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.242. Food Preparation.

Equipment used in eating establishments for the purpose of preparing food for human consumption is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.243. Smokehouses.

Smokehouses in which the maximum horizontal inside cross-Section al area does not exceed 100 square feet are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.244. Ovens, Barbecue Pits, and Cookers.

Ovens, mixers, blenders, barbecue pits, and cookers if the products are edible and intended for human consumption are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.245. Ethyl Alcohol Facilities.

Ethyl alcohol (ethanol) production facilities having a capacity of less than 200 gallons of ethanol per day when natural gas, liquid petroleum gas, or Number 2 fuel oil is used to supply heat for cooking and distillation are permitted by rule. Drying of spent (distillers) grain and water stillage is not authorized under this Section .
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER K: GENERAL
Section Section 106.261 - 106.266
Effective November 1, 2001

Section 106.261. Facilities (Emission Limitations).

Facilities, or physical or operational changes to a facility, are permitted by rule provided that all of the following conditions of this Section are satisfied.

(1) This Section shall not be used to authorize construction of or any change to a facility authorized in another Section of this chapter (see Section 106.262(1) of this title (relating to Facilities (Emission and Distance Limitations)).

(2) The facilities or changes shall be located at least 100 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located.

(3) Total new or increased emissions, including fugitives, shall not exceed 6.0 pounds per hour (lb/hr) and ten tons per year of the following materials: acetylene, argon, butane, crude oil, refinery petroleum fractions (except for pyrolysis naphthas and pyrolysis gasoline) containing less than ten volume percent benzene, carbon monoxide, cyclohexane, cyclohexene, cyclopentane, ethyl acetate, ethanol, ethyl ether, ethylene, fluorocarbons Numbers 11, 12, 13, 14, 21, 22, 23, 113, 114, 115, and 116, helium, isohexane, isopropyl alcohol, methyl acetylene, methyl chloroform, methyl cyclohexane, neon, nonane, oxides of nitrogen, propane, propyl alcohol,

propylene, propyl ether, sulfur dioxide, alumina, calcium carbonate, calcium silicate, cellulose fiber, cement dust, emery dust, glycerin mist, gypsum, iron oxide dust, kaolin, limestone, magnesite, marble, pentaerythritol, plaster of paris, silicon, silicon carbide, starch, sucrose, zinc stearate, or zinc oxide.

(4) Total new or increased emissions, including fugitives, shall not exceed 1.0 lb/hr of any chemical having a limit value (L) greater than 200 milligrams per cubic meter (mg/m3) as listed and referenced in Table 262 of Section 106.262 of this title or of any other chemical
not listed or referenced in Table 262. Emissions of a chemical with a limit value of less than 200 mg/m3 are not allowed under this Section .

(5) For physical changes or modifications to existing facilities, there shall be no changes to or additions of any air pollution abatement equipment.

(6) Visible emissions, except uncombined water, to the atmosphere from any point or fugitive source shall not exceed 5.0% opacity in any five-minute period.

(7) For emission increases of five tons per year or greater, notification must be provided using Form PI-7-261 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.

(8) For emission increases of less than five tons per year, notification must be provided using either:

(A) Form PI-7-261 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any; or

(B) Form PI-7-261(a) by March 31 of the following year summarizing all uses of this permit by rule in the previous calendar year. This annual notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.262. Facilities (Emission and Distance Limitations).

Facilities, or physical or operational changes to a facility, are exempt provided that all of the following conditions of this Section are satisfied.

(1) This Section shall not be used to authorize construction or any change to a facility specifically authorized in another Section of this chapter, but not meeting the requirements of that Section . However, once the requirements of a Section of this chapter are met, paragraphs (3) and (4) of this Section may be used to qualify the use of other chemicals at the facility.

(2) Emission points associated with the facilities or changes shall be located at least 100 feet from any off-plant receptor. Off-plant receptor means any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located.

(3) New or increased emissions, including fugitives, of chemicals shall not be emitted in a quantity greater than five tons per year nor in a quantity greater than E as determined using the equation E = L/K and the following table. Figure: 30 TAC **Section 106.262(3)**

D,Feet	**K**	
100	326	
200	200	E = maximum allowable hourly emission, and never to exceed 6 pounds per hour.
300	139	
400	104	
500	81	
600	65	L = value as listed or referenced in Table 262
700	54	
800	46	
900	39	K = value from the table on this page.

		(interpolate intermediate values)
1,000	34	
2,000	14	
3,000 or more	8	D = distance to the nearest off-plant receptor.

TABLE 262
LIMIT VALUES (L) FOR USE WITH EXEMPTIONS FROM PERMITTING Section 106.262

The values are not to be interpreted as acceptable health effects values relative to the issuance of any permits under Chapter 116 of this title (relating to Control of Air Pollution by Permits for New Construction or Modification).

COMPOUND	**LIMIT (L) MILLIGRAMS PER CUBIC METER**
Acetone	590.
Acetaldehyde	9.
Acetone Cyanohydrin	4.
Acetonitrile	34.
Acetylene	2662.
N-Amyl Acetate	2.7
Sec-Amyl Acetate	1.1
Benzene	3.
Beryllium and Compounds	0.0005
Boron Trifluoride, as HF	0.5
Butyl Alcohol, –	76.
Butyl Acrylate	19.
Butyl Chromate	0.01
Butyl Glycidyl Ether	30.
Butyl Mercaptan	0.3
Butyraldehyde	1.4
Butyric Acid	1.8
Butyronitrile	22.
Carbon Tetrachloride	12.
Chloroform	10.
Chlorophenol	0.2
Chloroprene	3.6
Chromic Acid	0.01
Chromium Metal, Chromium II and III Compounds	0.1
Chromium VI Compounds	0.01

COMPOUND	LIMIT (L) MILLIGRAMS PER CUBIC METER
Coal Tar Pitch Volatiles	0.1
Creosote	0.1
Cresol	0.5
Cumene	50.
Dicyclopentadiene	3.1
Diethylaminoethanol	5.5
Diisobutyl Ketone	63.9
Dimethyl Aniline	6.4
Dioxane	3.6
Dipropylamine	8.4
Ethyl Acrylate	0.5
Ethylene Dibromide	0.38
Ethylene Glycol	26.
Ethylene Glycol Dinitrate	0.1
Ethylidene-2-norbornene, 5-	7.
Ethyl Mercaptan	0.08
Ethyl Sulfide	1.6
Glycolonitrile	5.
Halothane	16
Heptane	350.
Hexanediamine,1,6-	0.32
Hydrogen Chloride	1.
Hydrogen Fluoride	0.5
Hydrogen Sulfide	1.1
Isoamyl Acetate	133.
Isoamyl Alcohol	15.
Isobutyronitrile	22.
Kepone	0.001
Kerosene	100.
Malononitrile	8.
Mesityl Oxide	40.
Methyl Acrylate	5.8
Methyl Amyl Ketone	9.4
Methyl-t-butyl ether	45.

COMPOUND	LIMIT (L) MILLIGRAMS PER CUBIC METER
Methyl Butyl Ketone	4.
Methyl Disulfide	2.2
Methylenebis (2-chloroaniline) (MOCA)	0.003
Methylene Chloride	26.
Methyl Isoamyl Ketone	5.6
Methyl Mercaptan	0.2
Methyl Methacrylate	34.
Methyl Propyl Ketone	530.
Methyl Sulfide	0.3
Mineral Spirits	350.
Naphtha	350.
Nickel, Inorganic Compounds	0.015
Nitroglycerine	0.1
Nitropropane	5.
Octane	350.
Parathion	0.05
Pentane	350.
Perchloroethylene	33.5
Petroleum Ether	350
Phenyl Mercaptan	0.4
Propionitrile	14.0
Propyl Acetate	62.6
Propylene Oxide	20.
Propyl Mercaptan	0.23
Silica-amorphous- precipitated, silica gel	4.
Silicon Carbide	4.
Stoddard Solvent	350.
Styrene	21.
Succinonitrile	20.
Tolidine	0.02
Trichloroethylene	135.
Trimethylamine	0.1
Valeric Acid	0.34
Vinyl Acetate	15.

COMPOUND	LIMIT (L) MILLIGRAMS PER CUBIC METER
Vinyl Chloride	2.

NOTE: The time weighted average (TWA) Threshold Limit Value (TLV) published by the American Conference of Governmental Industrial Hygienists (ACGIH), in its TLVs and BEIs guide (1997 Edition) shall be used for compounds not included in the table. The Short Term Exposure Level (STEL) or Ceiling Limit (annotated with a "C") published by the ACGIH shall be used for compounds that do not have a published TWA TLV. This Section cannot be used if the compound is not listed in the table or does not have a published TWA TLV, STEL, or Ceiling Limit in the ACGIH TLVs and BEIs guide.

(4) Notification must be provided using Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, and data identifying specific chemical names, L values, D values, and a description of pollution control equipment, if any.

(5) The facilities in which the following chemicals will be handled shall be located at least 300 feet from the nearest property line and 600 feet from any off-plant receptor and the cumulative amount of any of the following chemicals resulting from one or more authorizations under this Section (but not including permit authorizations) shall not exceed 500 pounds on the plant property and all listed chemicals shall be handled only in unheated containers operated in compliance with the United States Department of Transportation regulations (49 Code of Federal Regulations, Parts 171- 178): acrolein, allyl chloride, ammonia (anhydrous), arsine, boron trifluoride, bromine, carbon disulfide, chlorine, chlorine dioxide, chlorine trifluoride, chloroacetaldehyde, chloropicrin, chloroprene, diazomethane, diborane, diglycidyl ether, dimethylhydrazine, ethyleneimine, ethyl mercaptan, fluorine, formaldehyde (anhydrous), hydrogen bromide, hydrogen chloride, hydrogen cyanide, hydrogen fluoride, hydrogen selenide, hydrogen sulfide, ketene, methylamine, methyl bromide, methyl hydrazine, methyl isocyanate, methyl mercaptan, nickel carbonyl, nitric acid, nitric oxide, nitrogen dioxide, oxygen difluoride, ozone, pentaborane, perchloromethyl mercaptan, perchloryl fluoride, phosgene, phosphine, phosphorus trichloride, selenium hexafluoride, stibine, liquified sulfur dioxide, sulfur pentafluoride, and tellurium hexafluoride. Containers of these chemicals may not be vented or opened directly to the atmosphere at any time.

(6) For physical changes or modifications to existing facilities, there shall be no ch anges or additions of air pollution abatement equipment.

(7) Visible emissions, except uncombined water, to the atmosphere from any point or fugitive source shall not exceed 5.0% opacity in any five-minute period.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.263. Repairs and Maintenance.

Repairs or maintenance not involving structural changes where no new or permanent facilities are installed are exempt.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.264. Replacements of Facilities.

A facility which replaces an existing facility is permitted by rule provided that the following conditions of this Section are satisfied:

(1) the replacement facility functions in the same or similar manner as the facility to be replaced;

(2) the emissions from the replacement facility are not more than nor have different characteristics than those from the facility to be replaced;

(3) the emissions from the replacement facility will not exceed 25 tons per year of any air contaminant;

(4) the physical location of the replacement facility is the same or immediately adjacent to the facility being replaced;

(5) there will be no increase in capacity, production rate, or throughput as a result of the replacement;

(6) notwithstanding the provisions of paragraph (3) of this Section , the emissions from the replacement facility will not contain any compounds (other than carbon monoxide, nitrogen oxide, or sulfur dioxide) listed or proposed to be listed as hazardous constituents in 40 Code of Federal Regulations 261, Appendix VIII;

(7) notification of the replacement is provided to the executive director within ten days following installation of the replacement facility.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.265. Hand-held and Manually Operated Machines.

Hand-held or manually operated equipment used for buffing, polishing, carving, cutting, drilling, machining, routing, sanding, sawing, surface grinding, or turning of ceramic art work, ceramic precision parts, leather, metals, plastics, fiber board, masonry, carbon, glass, graphite, or wood is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.266. Vacuum Cleaning Systems.

Vacuum cleaning systems used exclusively for industrial, commercial, or residential housekeeping purposes are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER L : FEED, FIBER, AND FERTILIZER
Effective September 4, 2000

DIVISION 1 : FEED
Section Section 106.281 - 106.283

Section 106.281. Feed Milling.

Modifications to feed milling operations which satisfy the following conditions of this Section are permitted by rule.

(1) In conjunction with the installation of additional grain or feed storage silos, including bins used for loading out finished feed, all materials shall be transported in a closed conveying system when handled mechanically or pneumatically. Exhaust air to the atmosphere shall be vented through a fabric filter having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with automatic air cleaning.

(2) In conjunction with the installation of a pellet mill/pellet cooler system, the air from the pellet cooler shall be vented through a high efficiency cyclone collector which has a cone length at least twice the diameter of the cyclone.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.282. Feed Grinding Facilities.

Any feed grinding operation which is used only for noncommercial purposes is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.283. Grain Handling, Storage, and Drying.

Any grain handling, storage, and drying facility which meets paragraphs (1) - (3) of this Section is permitted by rule.

(1) The facility is in noncommercial use only - that is, used only to handle, dry, and/or store grain produced by the owner(s) of the facility if the following conditions are satisfied:

(A) the total storage capacity does not exceed 750,000 bushels;

(B) the grain handling capacity does not exceed 4,000 bushels per hour;

(C) the facility is located at least 500 feet from any recreational area or residence or business not occupied or used solely by the owner of the facility.

(2) The facility is in commercial use and the following conditions are satisfied:

(A) the total storage capacity of the new and any existing facility or facilities does not exceed 1.5 million bushels;

(B) the facility shall be located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located;

(C) before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission using Form PI-7.

(3) The installation of additional grain storage capacity which satisfies the following conditions:

(A) there shall be no increase in hourly grain handling capacity;

(B) existing grain receiving and loadout facilities are utilized;

(C) grain shall be conveyed by closed conveying systems and air suction shall not be pulled on any conveying unit;

(D) written site approval shall be received from the executive director before construction begins for facilities utilizing existing grain receiving facilities when new gravity or auger loadout systems are to be installed.
Adopted August 9, 2000 Effective September 4, 2000

DIVISION 2 : FIBER
Section 106.291

Section 106.291. Cotton Gin Stands.

Replacement or addition of cotton gin stands where no other equipment change or additions are involved are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

DIVISION 3 : FERTILIZER
Section 106.301, Section 106.302

Section 106.301. Aqueous Fertilizer Storage.

All aqueous fertilizer storage tanks are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.302. Portable Pipe Reactor.

Portable pipe reactor facilities used to process liquid fertilizer that operate according to the following conditions of this Section are permitted by rule.

(1) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.

(2) All valves, piping, flanges, hoses, and disconnects must be free of leaks.

(3) Opacity from any process vent shall not exceed 20% except for those periods of start-up described in Section 111.111(a)(1)(E) of this title (relating to Requirement for Specified Sources).

(4) Emissions from the facility shall not cause or contribute to a condition of air pollution as defined in Texas Health and Safety Code, Section 382.003(3).

(5) The operating schedule must not exceed 72 hours within a four-month period.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER M : METALLURGY
Section Section 106.311 - 116.322
Effective September 4, 2000

Section 106.311. Crucible or Pot Furnace.

Crucible or pot furnaces with a brim full capacity of less than 450 cubic inches of any molten metal are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.312. Wax Melting and Application.

Equipment used exclusively for the melting or application of wax is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.313. Tumblers for Cleaning or Deburring Metal.

All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 pounds or less are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.314. Shell Core and Mold Machines.

Shell core and shell mold manufacturing machines are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.315. Sand or Investment Molds.

Sand or investment molds with a capacity of 100 pounds or less used for the casting of metals are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.316. Metal Inspection.

Equipment used for inspection of metal products is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.317. Miscellaneous Metal Equipment.

Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.318. Die Casting Machines.

Die casting machines are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.319. Foundry Sand Mold Forming Equipment.

Foundry sand mold forming equipment to which no heat is applied is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.320. Miscellaneous Metallic Treatment.

Electrically heated or sweet natural gas or liquid petroleum gas fueled equipment used exclusively for heat treating, soaking, case hardening, or surface conditioning of metal objects, such as carbonizing, cyaniding, nitriding, carbon nitriding, siliconizing, or diffusion treating is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.321. Metal Melting and Holding Furnaces.

Metal melting and holding furnaces as specified in this Section are permitted by rule.

(1) crucible furnaces, pot furnaces, or induction furnaces with a holding capacity of 1,000 pounds or less, with the following limitations:

(A) no smelting, reduction, sweating, metal separation, or distilling is conducted;

(B) in ferrous melting furnaces where gray iron or steel is melted:

(i) ductile iron is produced only when emissions are captured by a vent hood and filtered or within a crucible with a lid which allows no visible emissions; and

(ii) the furnace charge is free of oil, grease, and paint;

(C) in nonferrous melting furnaces, only the following metals are melted, poured, or held in a molten state:

(i) aluminum or any alloy containing over 50% aluminum;

(ii) magnesium or any alloy containing over 50% magnesium;

(iii) tin or any alloy containing over 50% tin;

(iv) zinc or any alloy containing over 50% zinc;

(v) copper, brass, or bronze; or

(vi) precious metals;

(D) no lead, leaded brass, leaded bronze, or manganese bronze is melted, poured, or held in a molten state;

(2) aluminum melting or holding furnaces with a holding capacity of 2,000 pounds or less that melt only clean aluminum ingots or pigs and in which no refining, smelting, metal separation, sweating, distilling, or fluxing with chlorine bearing gases is performed.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.322. Furnaces to Reclaim Aluminum or Copper.

Dry hearth reverberatory type holding chamber aluminum or copper metal reclamation/sweat furnaces in which no fluxing, degassing, or refining is conducted, which operate according to the following conditions and limitations of this Section are permitted by rule.

(1) Scrap metal charges shall consist primarily of copper or aluminum metal. Operation of the furnace for reclamation or lead, tin, zinc, or magnesium metals is prohibited.

(2) The maximum furnace charging rate shall be 2,000 pounds per hour or less.

(3) The furnace charge door shall remain closed except during charging and furnace cleaning operations.

(4) The furnace shall be equipped with an afterburner which will provide a minimum retention time of 0.1 second at a minimum temperature of 1,300 degrees Fahrenheit for all furnace exhaust gases.

(5) The incineration of any insulated wire or cable containing chlorine compounds in the insulation, such as polyvinyl chloride insulation, is expressly prohibited.

(6) The owner or operator of the furnace shall initiate and maintain a program of furnace operator training in the recognition of chlorine-bearing wire or cable insulation and shall demonstrate, upon request by the executive director, acceptable proficiency in the recognition of chlorine-bearing wire or cable insulation such as polyvinyl chloride insulation.

(7) Fuel for the furnace shall be sweet natural gas as defined in Chapter 101 of this title (relating to General Air Quality Rules) or liquid petroleum gas, diesel, or Number 2 fuel oil.

(8) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER N : MIXERS, BLENDERS, AND PACKAGING
Section Section 106.331 - 106.333
Effective September 4, 2000

Section 106.331. Cosmetics Packaging and Pharmaceutical Packaging and Coating.

Equipment used exclusively to package pharmaceuticals and cosmetics or to coat pharmaceutical tablets is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.332. Chlorine Repackaging.

Facilities that repackage chlorine are permitted by rule, provided all the following conditions of this Section are satisfied:

(1) the repackaging shall be in United States Department of Transportation approved chlorine cylinders not exceeding one ton in capacity;

(2) there shall be no more than two tons of chlorine on the property at any time;

(3) all handling of chlorine shall be in accordance with applicable Chlorine Institute Guidelines;

(4) the facilities shall be located no closer than 300 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located;

(5) the repackaging system shall be operated under vacuum at all times and all venting of lines and cylinders shall be routed to a caustic scrubbing system that prevents release of chlorine to the atmosphere during all operating and maintenance activities. When the scrubbing system is not operating properly, no chlorine shall be repackaged;

(6) chlorine gas shall not be vented directly to the atmosphere under any circumstances.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.333. Water-based Adhesive Mixers.

Equipment used exclusively for the mixing and blending of materials at ambient temperature to make water-based adhesives is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER O: OIL AND GAS
Section Section 106.351 - 106.355
Effective June 13, 2001

Section 106.351. Salt Water Disposal (Petroleum).

Salt water disposal facilities used to handle aqueous liquid wastes from petroleum production operations and water injection facilities are permitted by rule, provided that the following conditions of this Section are met.

(1) Any facility processing salt water which emits a sour gas shall be located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located.

(2) Any open storage of salt water shall be operated in such a manner as to prevent the occurrence of a nuisance condition off-property.

(3) All plant roads and truck loading and unloading areas must be operated and/or maintained as necessary to prevent dust emissions from the property which would cause or contribute to a nuisance condition. Appropriate operating activities may include reduction of speed of vehicles, use of alternate routes, and covering of dust-producing loads being hauled. Appropriate maintenance activities may include watering, treatment with dust suppressant chemicals, oiling, paving, and cleaning dust-producing surfaces.

(4) Before construction of the facility begins under this Section , registration of the permit by rule shall be submitted to the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7, unless one of the following exceptions applies:

(A) all delivery of salt water to the site takes place through enclosed hoses or lines, and all storage and handling of salt water takes place in enclosed conduits, vessels, and storage, so that the salt water is not exposed to the atmosphere; or

(B) delivery of salt water from outside a site to all facilities at a site in any calendar day does not exceed 540,000 gallons.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.352. Oil and Gas Production Facilities.

Any oil or gas production facility, carbon dioxide separation facility, or oil or gas pipeline facility consisting of one or more tanks, separators, dehydration units, free water knockouts, gunbarrels, heater treaters, natural gas liquids recovery units, or gas sweetening and other gas conditioning facilities, including sulfur recovery units at facilities conditioning produced gas containing less than two long tons per day of sulfur compounds as sulfur are permitted by rule, provided that the following conditions of this Section are met. This Section applies only to those facilities named which handle gases and liquids associated with the production, conditioning, processing, and pipeline transfer of fluids found in geologic formations beneath the earth's surface.

(1) Compressors and flares shall meet the requirements of Section 106.512 and Section 106.492 of this title (relating to Stationary Engines and Turbines, and Flares).

(2) Total emissions, including process fugitives, combustion unit stacks, separator, or other process vents, tank vents, and loading emissions from all such facilities constructed at a site under this Section shall not exceed 25 tons per year (tpy) each of sulfur dioxide (SO_2), all other sulfur compounds combined, or all volatile organic compounds (VOC) combined; and 250 tpy each of nitrogen oxide and carbon monoxide. Emissions of VOC and sulfur compounds other than SO_2 must include gas lost by equilibrium flash as well as gas lost by conventional evaporation.

(3) Any facility handling sour gas shall be located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located.

(4) Total emissions of sulfur compounds, excluding sulfur oxides, from all vents shall not exceed 4.0 pounds per hour (lb/hr) and the height of each vent emitting sulfur compounds shall meet the following requirements, except in no case shall the height be less than 20 feet:

Total as Hydrogen Sulfide, lb/hr	**Minimum vent height, feet**
0.27	20
0.60	30
1.94	50
3.00	60
4.00	68

NOTE: Other values may be interpolated.

(5) Before operation begins, facilities handling sour gas shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7 along with supporting documentation that all requirements of this Section will be met. For facilities constructed under Section 106.353 of this title (relating to Temporary Oil and Gas Facilities), the registration is required before operation under this Section can begin. If the facilities cannot meet this Section , a permit under Chapter 116 of this title (relating to Control of Air Pollution by Permits for New Construction or Modification) is required prior to continuing operation of the facilities.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.353. Temporary Oil and Gas Facilities.

Temporary separators, tanks, meters, and fluid-handling equipment used for a period not to exceed 90 operating days are permitted by rule, provided that all the following conditions of this Section are satisfied.

(1) The purpose of the 90-day period is to test the content of a subsurface stratum believed to contain oil or gas and/or to establish the proper design of a permanent fluid-handling facility.

(2) Any sour gas produced during this test period shall be burned in a smokeless flare which meets the requirements of conditions of Section 106.492(1)(C) and (2)(A) and (C) of this title (relating to Flares).

(3) Total emissions of reduced sulfur compounds, excluding sulfur oxides, but including hydrogen sulfide, shall not exceed 4.0 pounds per hour and the emission point height of any vent of reduced sulfur compounds shall meet the requirements of Section 106.352(4) of this title (relating to Oil and Gas Production Facilities).

(4) Operation of a facility authorized by this Section beyond the 90-day period shall not be allowed unless such operation is authorized under exemption from permitting or is permitted under Chapter 116 of this title (relating to Control of Air Pollution by Permits for New Construction or Modification).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.354. Iron Sponge Gas Treating Unit.

Iron sponge gas treating units processing streams containing less than 60 pounds per hour of hydrogen sulfide are permitted by rule provided that the following conditions of this Section are satisfied:

(1) the plant is located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located;

(2) during replacement of the iron oxide impregnated chips, the unit is:

(A) isolated from the main system and the pressure is reduced to 0.5 psia or less through a gas-fired flare; or

(B) sulfur compound emissions to the atmosphere do not exceed one ton per replacement;

(3) the spent iron oxide chips being replaced are properly handled to avoid spontaneous ignition and avoid an odor nuisance.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.355. Metering, Purging, and Maintenance of Pipelines.

Metering, purging, and maintenance operations for gaseous and liquid petroleum pipelines (including ethylene, propylene, butylene, and butadiene pipelines) are exempt provided that operations are conducted according to the following conditions of this Section :

(1) emissions of volatile organic compounds, except fugitive emissions, are burned in a smokeless flare; or

(2) total emissions of any air contaminant will not exceed one ton during any metering, purging, or maintenance operation;

(3) venting of sweet, commercial grade natural gas from pipelines is exempt from paragraphs (1) and (2) of this Section . Care must be taken not to vent the gas in an area where an ignition source may exist or where accidental ignition of the venting gas may increase risk of fire at nearby tanks or other facilities.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER P : PLANT OPERATIONS
Section Section 106.371 - 106.376
Effective September 4, 2000

Section 106.371. Cooling Water Units.

Water cooling towers, water treating systems for process cooling water or boiler feedwater, and water tanks, reservoirs, or other water containers designed to cool, store, or otherwise handle water (including rainwater) that have not been used in direct contact with gaseous or liquid process streams containing carbon compounds, sulfur compounds, halogens or halogen compounds, cyanide compounds, inorganic acids, or acid gases are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.372. Industrial Gases.

Any air separation, or other industrial gas production, storage, or packaging facility is permitted by rule. Industrial gases, for purposes of this Section , include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.373. Refrigeration Systems.

Refrigeration systems, including storage tanks used in refrigeration systems, that use one of the following categories of refrigerant are permitted by rule:

(1) simple asphyxiants limited to argon, carbon dioxide, ethane, helium, hydrogen, methane, neon, nitrogen, propane, propylene, or liquefied natural gas; or

(2) any other chemical, excluding anhydrous ammonia, with a short-term effects screening level (ESL) published in the commission’s ESL list greater than 150Fg/m3;

(3) anhydrous ammonia (ammonia) provided:

(A) the facility is registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7; and

(B) the system is maintained in good working order and such that ammonia leaks are not detectable beyond the operator's property line.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.374. Lime Slaking Facilities.

Any lime slaking facility used to mix quicklime with water is permitted by rule, provided the following conditions of this Section are met:

(1) the mixing vessel shall be horizontal;

(2) the mixing vessel shall use interior mechanical agitation parallel to the bottom and agitate the water over the full length of the vessel;

(3) quicklime shall be injected into the mixing vessel as follows:

(A) where injection is from a pneumatic transfer system, the quicklime shall be injected at a point at least 12 inches under the surface of the agitated water; or

(B) where injection is from a non-pneumatic conveying system unloading at the top of the vessel, emissions from any vent on the vessel shall be controlled by an appropriately sized wet scrubber;

(4) there shall be no visible emissions (other than uncombined water).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.375. Aqueous Solutions for Electrolytic and Electroless Processes.

Equipment using aqueous solutions is permitted by rule, providing the conditions of this Section are met.

(1) This Section authorizes the following operations:

(A) anodizing, chromate conversion coating processes, electroplating, electrodeposition, electroless plating, electrolytic polishing, and electrolytic stripping, as follows.

(i) For plating onto or stripping from any basis substrate, only brass, bronze, cadmium, copper, iron, lead, nickel, tin, zinc, and precious metals may be used.

(ii) Chromic acid shall not be used in any step of a process which involves electrical current, air agitation, or any other factor which causes the chromic acid to bubble or mist.

(B) cleaning, electroless stripping, etching, or other surface preparation and finishing, not including chemical milling or electrolytic metal recovery and reclaiming systems.

(2) Operating conditions.

(A) Hydrochloric acid tank operating conditions shall not exceed:

(i) a temperature of 100 degrees Fahrenheit and a hydrochloric acid concentration of 19.0% by solution weight; or

(ii) a partial pressure of 0.5 millimeters of mercury.

(B) Hydrochloric acid in any state, and any aqueous solution which bubbles or mists due to electrical current, air agitation, or any other factor shall be used in an enclosed building. If the doors and windows of the building are open for any reason other than temporarily for access, emissions shall either be:

(i) captured and exhausted using forced air through a stack with an unobstructed minimum vertical discharge of four feet above the peak of the roofline; or

(ii) controlled with a fume suppressant.

(3) If a facility cannot comply with the hydrochloric acid temperature and concentration limits in paragraph (2)(A)(i) of this Section , then to demonstrate compliance with paragraph (2)(A)(ii) of this Section , the maximum hydrochloric acid temperature and concentration for each tank shall be recorded daily. At least once per month, the recorded data shall be converted to partial pressure. All data shall be maintained for the most recent 24-month period.

Adopted August 9, 2000 Effective September 4, 2000

Section 106.376. Decorative Chrome Plating.

Decorative chromium electroplating operations that have a maximum combined rated capacity for all decorative chrome plating rectifiers of not more than 5,000 amperes and which use a fume suppressant or other equivalent control as sufficient to meet Section 113.190 of this title (relating to Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks (40 CFR 63, Subpart N)) are permitted by rule. This permit by rule may not be used at any site where other chrome plating or chromic acid anodizing operations are conducted.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER Q : PLASTICS AND RUBBER
Section 106.391 - 106.396
Effective September 4, 2000

Section 106.391. Rubber and Plastic Curing Presses.

Presses used for the curing of rubber products and plastic products are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.392. Thermoset Resin Facilities.

Facilities using thermoset resins (excluding resins that do not emit air contaminants) to manufacture or repair products are permitted by rule, provided that the following conditions of this Section are satisfied for paragraph (1) and either paragraph (2) or (3) of this Section .

(1) The following requirements shall apply to all thermoset resin facilities.

(A) Before construction begins, the facility must be registered with the commission using Form PI-7.

(B) Records of resin and acetone usage shall be kept on a monthly and calendar year-to-date basis to show compliance with this Section , and shall be maintained for the most recent 24 months.

(C) All resin spraying and cleaning operations shall be conducted between two hours before sunrise and two hours after sunset. The exhaust fan(s) must be operating during and for at least 30 minutes after any usage of resin and/or cleaning solvents.

(D) All solid trim grinding operations shall be vented through a dry filter system or a water wash system which has a particulate removal efficiency of at least 95%. Particulates trapped in the dry filter system or water wash sludge shall be handled and stored in a way to minimize the escape of fugitive dust emissions.

(E) No more than five tons of acetone shall be used per year (gross usage minus waste disposal).

(2) The following requirements shall apply to facilities that have spraying operations (the facilities may include non-spraying operations).

(A) No more than 75 tons of resin and gelcoat combined shall be used per year (gross usage minus waste disposal).

(B) All resin spraying operations shall be conducted in a booth or an enclosed work area and the emissions shall be exhausted through elevated stack(s). All stacks shall discharge vertically to the atmosphere with no restrictions or obstructions to flow. Each stack shall meet one of the following minimum requirements:

(i) a flow rate of 20,000 actual cubic feet per minute (acfm) and the greater of six feet above the peak of the manufacturing building or 25 feet above ground level; or

(ii) a flow rate of 15,000 acfm and the greater of six feet above the peak of the manufacturing building or 30 feet above ground level.

(C) No more than 1,000 pounds per year of resin shall be used outdoors.

(D) If annual resin usage is less than 1,000 pounds, a facility is exempt from all requirements of this Section except recordkeeping (paragraph (1)(B) of this Section).

(3) The following requirements shall apply only to non-spraying operations.

(A) No more than 150 tons of resin and gelcoat combined shall be used per year (gross usage minus waste disposal).

(B) All resin operations shall be conducted in a booth or an enclosed work area or the manufacturing building and the emissions shall be exhausted through elevated stack(s). All stacks shall discharge vertically to the atmosphere with no restrictions or obstructions to flow. Each stack shall meet one of the following minimum requirements:

(i) a flow rate of 20,000 acfm and the greater of six feet above the peak of the manufacturing building or 25 feet above ground level; or

(ii) a flow rate of 15,000 acfm and the greater of six feet above the peak of the manufacturing building or 30 feet above ground level.

(C) No more than 3,000 pounds per year of resin shall be used outdoors.

(D) If annual resin usage is less than 3,000 pounds, a facility is exempt from all requirements of this Section except recordkeeping (paragraph (1)(B) of this Section).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.393. Conveyance and Storage of Plastic and Rubber Material.

Equipment used exclusively for conveying and storing plastic and/or rubber solid materials is permitted by rule, provided that no visible emissions occur and all the conditions of this Section are met:

(1) equipment used for conveying of powders or resins to storage silos must be equipped with fabric filter(s) having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical shaking or 7.0 ft/min with air cleaning; and

(2) transfer of powders or resins is accomplished in an enclosed system.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.394. Plastic Compression and Injection Molding.

Equipment used for compression molding and injection molding of plastics is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.395. Equipment for Mixing Plastic and Rubber (No Solvent).

Mixers, blenders, roll mills, or calenders for rubber or plastics are permitted by rule, provided the following conditions of this Section are satisfied. Mixers, blenders, roll mills, or calenders handling or adding asbestos shall not be eligible to be permitted by rule under this Section .

(1) Organic solvents, diluents, or thinners shall not be used.

(2) Material in powder form shall not be added unless the mixer, blender, roll mill, or calender is vented to a fabric filter having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning, or 7.0 ft/min with automatic air cleaning.

(3) There shall be no visible emissions.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.396. Equipment for Mixing Plastic and Rubber (With Solvent).

Roll mills or calenders for rubber or plastics in which organic solvents, diluents, or thinners are used are permitted by rule, provided that before construction begins, the facility is registered with Form PI-7 and information regarding process rate and type of material emitted is submitted.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER R : SERVICE INDUSTRIES
Section Section 106.411 - 116.419
Effective September 4, 2000

Section 106.411. Steam or Dry Cleaning Equipment.

Equipment used exclusively for steam or dry cleaning of fabrics, plastics, rubber, wood, or vehicle engines or drive trains is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.412. Fuel Dispensing.

Equipment used exclusively to store and dispense motor fuels into heavy and light-duty motor vehicles and marine vessels or other watercraft, aircraft, and railroad locomotive engines is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.413. Bond Lining to Brake Shoes.

Equipment used exclusively for bonding lining to brake shoes is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.414. Packaging Lubes and Greases.

Equipment used exclusively for the packaging of lubricants or greases is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.415. Laundry Dryers.

Laundry dryers, extractors, or tumblers used for fabrics cleaned with water solutions of bleach or detergents are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.416. Uranium Recovery Facilities.

A uranium in-situ solution recovery facility producing yellowcake is permitted by rule, provided that the facility operates according to the following conditions of this Section .

(1) The facility is located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property Upon which the facility is located.

(2) The facility shall have no emissions other than:

(A) ammonia which shall not exceed an emission rate of 2.0 pounds per hour (lb/hr); and

(B) particulate dust from yellowcake drying not to exceed 0.1 lb/hr.

(3) The facility shall have no visible particulate emissions from any part of the process.

(4) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.417. Ethylene Oxide Sterilizers.

Ethylene oxide (EO) sterilizing chambers/operations located on the same or contiguous property and under common ownership that use 1,000 pounds or less of EO per year are permitted by rule provided that the following conditions of this Section are satisfied.

(1) Any sterilizer usage that is less than 0.04 pounds of EO (20 milliliters liquid EO) per charge and the annual usage is 4.0 pounds or less of EO for the entire facility, is exempted from all requirements.

(2) All sterilizers must meet the following conditions.

(A) EO shall only be handled by medical professionals or appropriately trained personnel in medical and industrial use areas.

(B) Written records shall be maintained for a minimum of two years and shall be made available to representatives of the commission upon request. Records shall include:

(i) documentation of the date and time of each sterilizer operation cycle;

(ii) the total pounds of EO purchased and used per calendar year listed as monthly totals;

(iii) leak test results.

(C) Leak tests of each sterilizer system shall be performed at least every six months. Results of the tests shall be made available to the commission upon request.

(D) EO shall only be used alone or in combination with carbon dioxide, nitrogen, chlorofluorocarbon, hydrochlorofluorocarbon diluent gases, or other mixtures as approved by the executive director.

(E) The sterilizer vent system exhaust stack shall meet the following conditions.

(i) The stack shall be uncapped and exhaust vertically upward.

(ii) The stack height shall be extended to at least 15 feet above the roof line of the building; and the stack tip shall be located at least 25 feet from any opening to the building interior, such as fresh air intake, unsealed windows, or pedestrian traffic areas. Stacks on multi-level roofs must only extend 15 feet above the roof upon which the stack is located.

(iii) Stack exit velocity shall be at least 50 feet per second.

(3) The following conditions apply only to sterilizers that use more than four pounds, but less than 100 pounds of EO per year.

(A) Sterilizer systems which vent entirely to atmosphere shall not exceed 0.5 pounds of EO used per cycle. Sterilizer systems which use nonrecirculating, water sealed vacuum systems shall not exceed two pounds of EO charged per cycle. For facilities with multiple sterilizers, the usage rate is based on total EO usage at any given time.

(B) Any combination of sterilizers located on the same or contiguous property under common ownership shall not exceed a total EO usage of less than 100 pounds per year.

(4) The following conditions apply only to sterilizers that use between 100 and 1,000 pounds of EO per year.

(A) Before construction begins, the facility shall be registered with the commission using Form PI-7.

(B) The sterilizer chamber exhaust shall vent through an emission control device that will continuously achieve a minimum EO removal efficiency of 99%. Thermal incineration shall not be used to control sterilizer exhaust emissions if chlorofluorocarbons are used as a diluent.

(C) There shall be no discharge of water containing dissolved EO through a sanitary sewer system.

(D) Any combination of sterilizers located on the same or contiguous property under common ownership shall be limited to a total EO usage of 1,000 pounds per year.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.418. Printing Presses.

Printing operations (including, but not limited to, screen printers, ink-jet printers, presses using electron beam or ultraviolet light curing, and labeling operations) and supporting equipment (including, but not limited to, corona treaters, curing lamps, preparation, and cleaning equipment) which directly supports the printing operation are permitted by rule, provided that all the following conditions of this Section are satisfied.

(1) The uncontrolled emission of volatile organic compounds (VOC) and solvents (including, but not limited to, those used for printing, cleanup, or makeup) shall not exceed the following rates:

(A) 15 tons per year (tpy) for any single printing operation proposed to be covered by this Section ; and

(B) 25 tpy for all printing operations on the property covered by permits by rule.

(2) Facilities which release ten tpy or more of VOC emissions from all printing operations permitted by rule at the site must register with the commission using Form PI-7.

(3) Copying and duplicating equipment employing the xerographic method are exempt from paragraphs (4) - (6) of this Section .

(4) Printing presses covered by this Section shall not utilize heat set, thermo set, or ovendried inks. Heated air may be used to shorten drying time, provided the temperature does not exceed 194 degrees Fahrenheit (90 degrees Celsius).

(5) Records of ink and solvent usage shall be kept in sufficient detail to show compliance with paragraph (1) of this Section and shall be maintained for a two-year rolling retention period.

(6) Screen printing operations requiring temperatures greater that 194 degrees Fahrenheit (90 degrees Celsius) to set the ink are exempt from paragraph (4) of this Section .

(7) Facilities located in ozone nonattainment areas shall meet the requirements of Chapter 115, Subchapters B and E of this title (relating to General Volatile Organic Compound Sources and Solvent-Using Processes).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.419. Photographic Process Equipment.

Photographic process equipment by which an image is reproduced upon material sensitized to radiant energy is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER S : SURFACE COATING
Section Section 106.431 - 106.436
Effective September 4, 2000

Section 106.431. Milling and Grinding of Coatings and Molding Compounds.

Equipment used exclusively to mill or grind coatings and molding compounds where all materials charged are in a paste form is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.432. Dipping Tanks and Containers.

Containers, reservoirs, or tanks used exclusively for dipping operations for coating objects with oils, waxes, or greases where no organic solvents, diluents, or thinners are used; or dipping operations for applying coatings of natural or synthetic resins which contain no organic solvents are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.433. Surface Coat Facility.

Surface coating or stripping facilities, excluding vehicle repair and refinishing shops, shall meet the following conditions of this Section to be permitted by rule.

(1) This Section does not cover metalizing (spraying molten metal onto a surface to form a coating). However, this Section does cover the use of coatings which contain metallic pigments.

(2) All facilities covered by this Section at a site shall implement good housekeeping procedures to minimize fugitive emissions, including the following.

(A) All spills shall be cleaned up immediately.

(B) The booth or work area exhaust fans shall be operating when cleaning spray guns and other equipment.

(C) All new and used coatings and solvents shall be stored in closed containers. All waste coatings and solvents shall be removed from the site by an authorized disposal service or disposed of at a permitted on-site waste management facility.

(3) Drying or curing ovens shall either be electric or meet the following conditions:

(A) The maximum heat input to any oven must not exceed 40 million British thermal units per hour (Btu/hr).

(B) Heat shall be provided by the combustion of one of the following: sweet natural gas; liquid petroleum gas; fuel gas containing no more than 5.0 grains of total sulfur compounds (calculated as sulfur) per 100 dry standard cubic foot; or Number 2 fuel oil with not more than 0.3% sulfur by weight.

(4) No add-on control equipment shall be used to meet the emissions limits of this Section . The total uncontrolled emissions from the coating materials (as applied) and cleanup solvents shall not exceed the following for all operations:

(A) 25 tons per year (tpy) of volatile organic compounds (VOC) and ten tpy of exempt solvents for all surface coating and stripping operations covered by Section at a site;

(B) 30 pounds per hour (lb/hr) of VOC and 5.0 lb/hr of exempt solvents for all surface coating and stripping operations covered by this Section at a site;

(C) if emissions are less than 0.25 lb/hr of VOC and/or exempt solvents, a facility is exempt from the remaining requirements of this Section , including paragraphs (5) - (9) of this Section .

(5) Opacity of visible emissions shall not exceed 5.0%. Compliance shall be determined by the United States Environmental Protection Agency Method 9 averaged over a six-minute period.

(6) The following conditions apply to surface coating operations performed indoors, in a booth, or in an enclosed work area:

(A) no more than six lb/hr of VOC emissions, averaged over any five-hour period, and 500 pounds per week per booth or enclosed work area;

(B) minimum face velocity at the intake opening of each booth or work area is 100 feet per minute (ft/min). Emissions shall be exhausted through elevated stacks that extend at least 1.5 times the building height above ground level. All stacks shall discharge vertically; rain protection shall not restrict or obstruct vertical flow;

(C) for spraying operations, emissions of particulate matter must be controlled using either a water wash system or a dry filter system with a 95% removal efficiency as documented by the manufacturer. The face velocity at the filter shall not exceed 250 ft/min or that specified by the filter manufacturer, whichever is less. Filters shall be replaced whenever the pressure drop across the filter no longer meets the manufacturer’s recommendation.

(7) For surface coating operations that are performed outdoors or in a non-enclosed work area, or for indoor operations that do not meet the conditions of paragraph (6) of this Section , the following conditions apply.

(A) No more than six lb/hr of VOC emissions, averaged over any five-hour period, and 500 pounds per week shall be emitted at any time for all operations authorized by this paragraph.

(B) If coatings applied with spray equipment contain more than 0.1% by weight of chromates, lead, cadmium, selenium, strontium, or cobalt, then total VOC emissions shall be further limited to 240 pounds per week and 2,000 pounds per year. If coatings are applied with non-spray equipment (such as brushes, rollers, dipping or flow coating), the additional restrictions in this paragraph do not apply.

(C) Coating operations shall be conducted at least 50 feet from the property line and at least 250 feet from any recreational area, residence, or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located.

(D) Before construction of the facility begins, written site approval shall be received from the appropriate regional office of the commission or any local program having jurisdiction.

(8) The following records shall be maintained at the plant site for the most recent 24 months and be made immediately available to the commission or any pollution control agency with jurisdiction:

(A) material safety data sheets for all coating materials and solvents;

(B) data of daily coatings and solvent use and the actual hours of operation of each coating or stripping operation;

(C) a monthly report that represents actual hours of operation each day, and emissions from each operation in the following categories:

(i) pounds per hour;

(ii) pounds per day;

(iii) pounds per week; and

(iv) tons emitted from the site during the previous 12 months;

(D) examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions.

(9) Before construction begins, the facility shall be registered with the commission using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.434. Powder Coating Facility.

Surface coating operations utilizing powder coating materials with the powder applied by an electrostatic powder spray gun or an electrostatic fluidized bed are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.435. Classic or Antique Automobile Restoration Facility.

“Classic” or “Antique” vehicle restoration facilities (the terms “classic” and “antique” vehicle as determined by the Texas Department of Public Safety Vehicle Inspection and Registration Section under Texas Transportation Code, Chapter 502, Section 502.274 (concerning Classic Motor Vehicles) or Section 502.275 (concerning Certain Antique Vehicles; Offense)) qualify for this permit by rule if all of the following conditions of this Section are met.

(1) All automobile body/chassis abrasive blast cleaning and coating operations shall be performed in a closed building or enclosure that is located at least 50 feet away from any property lines; or the facility shall be located a minimum of 300 feet from any recreational area or residence not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located, except that structures occupied by security or watch personnel may be located contiguously.

(2) Total abrasive usage shall be less than 100 pounds per hour, 500 pounds per day, and five tons per year.

(3) Combined clean-up material and paint usage, including solvents used for cleaning or thinning purposes, shall be less than five gallons per day and 100 gallons per year.

(4) All waste coatings, solvents, and spent automotive fluids shall be stored in covered containers and disposed of properly.

(5) The owner or operator of the restoration facilities shall maintain daily and annual records in sufficient detail to verify the usage limits in paragraphs (2) and (3) of this Section . These records shall be maintained for a minimum of two years and made available at the request of personnel from the commission or any local pollution control program having jurisdiction.

(6) Facilities conducting vehicle repair and refinishing operations under Section 106.436 of this title (relating to Auto Body Refinishing Facility) may also conduct classic or antique vehicle restoration.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.436. Auto Body Refinishing Facility.

Body repair and refinishing of motorcycle, passenger car, van, light truck and heavy truck and other vehicle body parts, bodies, and cabs is permitted by rule, provided that all the following conditions of this Section are met.

(1) Before construction begins, the facility shall be registered with the commission’s Office of Permitting, Remediation, and Registration in Austin using Form PI-7-124.

(2) Facilities which satisfy one of the following conditions.

(A) Spray operations that use less than 1/2 pint of coatings and solvents per hour are exempt from all of the requirements of this Section except for paragraphs (3), (4), (16), and (17) of this Section .

(B) Spray operations that use less than two gallons of coatings and solvents per week are exempt from all of the requirements of this Section except for paragraphs (3), (4), (8), (11), (12), (14), (16), and (17) of this Section unless additional controls are specified in Section 115.421 of this title (relating to Emission Specifications). Additionally, all overspray emissions must be vented through a filter system that meets the requirements of paragraph (7) of this Section .

(3) Good housekeeping is practiced: spills are cleaned up as soon as possible, equipment is maintained according to manufacturers' instructions, and property is kept clean. In addition, all waste coatings, solvents, and spent automotive fluids including, but not limited to, engine oil, gear oil, transmission fluid, brake fluid, anti-freeze, fresh or waste fuels, and spray booth filters or water wash sludge are disposed of properly. Prior to disposal, all liquid waste shall be stored in covered containers.

(4) There are no visible emissions leaving the property.

(5) All spray coating operations which coat more than nine square feet (one panel) shall be performed in a totally enclosed filtered spray booth or totally enclosed filtered spray area with an air intake area of less than 100 square feet. All spray areas shall be equipped with a fan that achieves one of the following requirements:

(A) a flow capacity of at least 10,000 cubic feet per minute;

(B) a face velocity of at least 100 feet per minute.

(6) All spray coating operations which coat less than nine square feet (one panel) and are not in a totally enclosed booth shall be performed on or in a dedicated preparation area which meets the following requirements.

(A) The preparation area ventilation system shall be operating during spraying, and the exhaust air shall either be vented through a stack to the atmosphere or the air shall be recirculated back into the shop through a carbon adsorption system.

(B) If the preparation area is equipped with a carbon adsorption system, the carbon shall be replaced at the manufacturer's recommended intervals to minimize solvent emissions.

(C) The preparation area ventilation system shall be equipped with a filter or filter system to control paint overspray.

(7) All paint booth, spray area, and preparation area overspray (exhaust) filters or filter systems shall have a particulate control efficiency of at least 90%.

(8) High transfer efficiency coating application equipment shall be used, such as high volume low pressure spray guns. Electrostatic spray guns or other methods, if demonstrated to provide equivalent or better transfer efficiency are acceptable.

(9) Cleanup emissions shall be minimized by implementing the following procedures:

(A) spray and other equipment cleanup is totally enclosed during washing, rinsing, and draining. Non-enclosed cleaners may be used if the vapor pressure of the cleaning solvent is less than 100 millimeters of mercury at 68 degrees Fahrenheit and the solvent is directed toward a drain that leads directly to a remote reservoir;

(B) all wash solvents are kept in an enclosed reservoir that is covered at all times, except when being refilled with fresh solvents;

(C) all waste solvents and other cleaning materials are kept in closed containers.

(10) All spray booth spray area, preparation area, and shop heaters that are not electrically heated must use pipeline quality natural gas or liquified petroleum gas only and the heaters are five million British thermal units per hour or smaller. No firing of waste coatings, solvents, oils, or other automotive fluids shall be permitted on-site.

(11) All spray booth, spray area, and preparation area stack heights shall meet the following requirements.

(A) If the stack is located within 200 feet of a building that is taller than the body shop building, the stack height shall be at least 1.2 times the height of the tallest building or higher as measured from ground level.

(B) If the stack is located greater than 200 feet from a building taller than the body shop building, the stack height shall be at least 1.2 times the height of the body shop building as measured from ground level.

(C) If any ground level elevation within 250 feet of the spray booth stack is greater than the stack height required in subparagraphs (A) and (B) of this paragraph, this Section cannot be used.

(12) Spray booth, spray area, and preparation area stacks shall be located at least 50 feet away from any residence, recreation area, church, school, child care facility, or medical or dental facility.

(13) Rain caps, goose neck exhaust, or other stack heads that would restrict or obstruct vertical discharge of air contaminants shall not be allowed.

(14) The volatile organic compound (VOC) content limits specified in Section 115.421 of this title, concerning automobile and light-duty truck coatings, shall apply to the facility regardless of its location.

(15) Definitions of the coating types specified in subparagraphs (A) - (H) of this paragraph are based on Section 115.10 of this title (relating to Definitions), and the VOC content limits shall be those listed in Section 115.421 of this title. Shop use of the coating categories listed in subparagraphs (A) - (H) of this paragraph in gallons per month shall not be exceeded:

(A) cleanup solvents - 50 gallons per month;

(B) wipe solvents - 50;

(C) precoat - 50;

(D) pretreatment - 50;

(E) sealers - 50;

(F) primers/primer surfacer - 175;

(G) top coats - 320;

(H) specialty coatings - 50.

(16) The following records and reports shall be maintained at the shop site for a consecutive 24-month period and be made immediately available upon request of personnel from the commission or any other air pollution control agency with jurisdiction:

(A) material safety data sheet (MSDS) or other coating data sheets on paint and solvent systems used during the previous 24-month period or currently in use at the shop. The MSDS or coating data sheets should clearly indicate the VOC content of the product and the VOC content of multiple component coatings when mixed according to manufacturers instructions;

(B) records of monthly coating and solvent purchases (invoices from suppliers are acceptable);

(C) records of monthly paint and solvent use if purchase volumes are above the levels specified for any category in paragraph (15) of this Section ;

(D) additional records are kept in sufficient detail, if necessary, to allow an annual emission inventory to be submitted according to the requirements in Section 101.10 of this title (relating to Emissions Inventory Requirements);

(E) records of the United States Environmental Protection Agency and the commission's Office of Permitting, Remediation, and Registration registration or identification numbers for each waste generator.

(17) Compliance with the requirements of this Section does not eliminate the requirement to comply with all rules of the commission, including Section 101.4 of this title (relating to Nuisance). The commission may require a facility to cease operation until the matter is resolved.

(18) After December 31, 1994, the conditions of this permit by rule are effective as to facilities in existence prior to the adoption of this Section .
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER T: SURFACE PREPARATION
Section Section 106.451 - 106.454
Effective September 4, 2000

Section 106.451. Wet Blast Cleaning.

Blast cleaning equipment using a suspension of abrasives in water is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.452. Dry Abrasive Cleaning.

Any abrasive cleaning operation that will satisfy paragraph (1) or (2) of this Section is permitted by rule:

(1) enclosed abrasive cleaning:

(A) the particulate matter emissions are evacuated through a fabric filter with a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with air cleaning; and

(B) there are no visible fugitive emissions from the facility.

(2) outside blast cleaning:

(A) abrasive usage rate shall not exceed 150 tons per year, 15 tons per month, and one ton per day; and

(B) the blast cleaning is performed at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located; and

(C) records shall be maintained of operating hours and abrasive material usage; and

(D) before construction begins, the facility is registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7; and

(E) before construction of the facility begins, written site approval shall be received from the executive director.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.453. Washing and Drying of Glass and Metal.

Equipment used for washing or drying products fabricated from metal or glass is permitted by rule, provided no volatile organic materials are used in the process and no oil or solid fuel is burned.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.454. Degreasing Units.

Any degreasing unit that satisfies the following conditions of this Section is permitted by rule.

(1) The following general requirements are applicable to all degreasers unless specifically noted by the conditions of this Section .

(A) Units subject to paragraphs (3) - (5) of this Section shall meet the following:

(i) register with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7 and a Degreasing Unit Checklist;

(ii) on a monthly basis, records shall be kept of total solvent makeup (gross usage minus waste disposal).

(B) Waste solvent from all degreasing operations shall be stored in covered containers, and be removed by a licensed disposal service or until emptying into an authorized on-site waste management facility.

(C) Porous or absorbent materials, such as cloth, leather, wood, or rope shall not be degreased.

(D) Leaks shall be repaired immediately, or the degreaser shall be shut down until repairs are completed.

(E) A permanent and conspicuous label summarizing proper operating procedures to minimize emissions shall be posted on or near the degreaser.

(F) Each unit, regardless of the county in which it is located, shall meet the requirements of Section 115.412 and Section 115.415 of this title (relating to Control Requirements and Testing Requirements).

(2) The following conditions apply only to remote reservoir cleaners.

(A) The cleaner shall be designed to prevent exposure of the solvent reservoir to the atmosphere except for the drain openings. The drain openings shall not exceed 3.0% of the total cleaner open area and shall under no conditions exceed 16 square inches.

(B) All solvent sprays shall be a solid fluid stream (not a fine, atomized, or shower type spray) and at a minimal operating pressure that is necessary to prevent excessive splashing, but not to exceed ten pounds per square inch, gauge (psig).

(C) The true vapor pressure of the solvent shall not exceed 0.6 pounds per square inch, absolute (psia) as measured or calculated at an operating temperature of 100 degrees Fahrenheit.

(D) The solvent shall not be heated.

(3) The following conditions apply only to cold solvent cleaners, not including remote reservoirs.

(A) The cleaner shall have a freeboard that has a minimum four-inch water cover or provides a freeboard ratio (the distance from top of the solvent level to the top edge of the degreasing tank divided by the degreaser width) equal to or greater than 0.7. For water covers, the solvent must be insoluble in and heavier than water.

(B) The unit shall be equipped with a cover which is closed whenever parts are not being handled in the cleaner. Also, the cover must be designed for easy one-handed operation if any of the following conditions are present:

(i) the true vapor pressure of the solvent is greater than 0.3 psia as measured or calculated at 100 degrees Fahrenheit;

(ii) the solvent is agitated;

(iii) the solvent is heated.

(C) If a solvent spray is used, it shall be a solid fluid stream (not a fine, atomized, or shower-type spray) with a minimal operating pressure that is necessary to prevent splashing above the acceptable freeboard. The operating pressure shall not exceed ten psig.

(D) An internal-cleaned parts drainage rack or facility, for enclosed draining under a cover, shall be provided. An external-cleaned parts drainage rack or facility, for enclosed draining under a cover, may be used if the vapor pressure of the solvent is less than 0.6 psia at 100 degrees Fahrenheit. In all cases, parts shall be drained for at least 15 seconds or until dripping ceases.

(E) The Form PI-7 registration is not required if total solvent makeup (gross usage minus waste disposal) is 110 gallons per year (gallon/yr) or less.

(F) Total solvent makeup shall not exceed the following:

(i) chlorinated solvents - 660 gallons/yr;

(ii) all other solvents - 1,500 gallons/yr.

(4) The following conditions apply only to open top solvent vapor degreasers.

(A) The surface area of the solvent shall not exceed 15 square feet.

(B) The unit shall be equipped with a cover that can be opened and closed easily without disturbing the vapor zone. If the degreaser opening exceeds ten square feet, a powered cover shall be required.

(C) The cover shall be closed at all times except when parts are moved into and out of the degreaser.

(D) The unit shall be equipped with a properly sized refrigerated chiller, or the unit shall have a freeboard ratio (the distance from top of the vapor level to the top edge of the degreasing tank divided by the degreaser width) equal to or greater than 0.75.

(E) Exhaust ventilation for the unit shall operate between 50 and 65 cubic feet per minute (cfm) per square foot of degreaser open area unless this conflicts with Occupational Safety and Health Administration (OSHA) requirements. Ventilation fans or other sources of air agitation shall not be operated near the degreaser opening.

(F) The exhaust stacks shall discharge vertically with no restrictions or obstructions to flow. The stack height shall extend at least 1.3 times the building height as measured from ground level.

(G) Total solvent makeup (gross usage minus waste disposal) shall not exceed the following:

(i) chlorinated solvents - 660 gallons/yr;

(ii) all other solvents - 1500 gallons/yr.

(5) The following conditions apply only to conveyorized degreasers.

(A) The inlet and outlet openings shall be closed at all times except when processing work through the degreaser.

(B) The unit shall be equipped with a properly sized refrigerated chiller which has a volatile organic compound removal efficiency of at least 85%, or the unit shall have a freeboard ratio (the distance from top of the vapor level to the top edge of the degreasing tank divided by the degreaser width) equal to or greater than 0.75.

(C) A drying tunnel or other means of control shall be used to limit liquid or vapor carry-out.

(D) Entrances and exits to the degreaser shall be designed to silhouette work loads.

(E) Exhaust ventilation for the unit shall operate between 50 and 65 cfm per square foot of degreaser opening unless this conflicts with OSHA requirements. Ventilation fans or other sources of air agitation shall not be operated near the degreaser openings.

(F) The exhaust stacks shall discharge vertically with no restrictions or obstructions to flow. The stack height shall extend at least 1.5 times the building height as measured from ground level.

(G) Total solvent makeup (gross usage minus waste disposal) shall not exceed the following:

(i) chlorinated solvents - 660 gallons/yr;

(ii) all other solvents - 1,500 gallons/yr.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER U : TANKS, STORAGE, AND LOADING
Section Section 106.471 - 106.478
Effective September 4, 2000

Section 106.471. Storage or Holding of Dry Natural Gas.

Equipment used exclusively to store or hold dry natural gas is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.472. Organic and Inorganic Liquid Loading and Unloading.

Liquid loading or unloading equipment for railcars, tank trucks, or drums; storage containers, reservoirs, tanks; and change of service of material loaded, unloaded, or stored is permitted by rule, provided that no visible emissions result and the chemicals loaded, unloaded, or stored are limited to:

(1) the following list: asphalt, resins, soaps, lube oils, fuel oils, waxes, polymers, detergents, lube oil additives, kerosene, wax emulsions, vegetable oils, greases, animal fats, and diesel fuels;

(2) water or wastewater;

(3) aqueous salt solutions;

(4) aqueous caustic solutions, except ammonia solutions;

(5) inorganic acids except oleum, hydrofluoric, and hydrochloric acids;

(6) aqueous ammonia solutions if vented through a water scrubber;

(7) hydrochloric acid if vented through a water scrubber;

(8) acetic acid if vented through a water scrubber;

(9) organic liquids having an initial boiling point of 300 degrees Fahrenheit or greater. Facilities loading, unloading, or storing butyric acid, isobutyric acid, methacrylic acid, mercaptans, croton oil, 2-methyl styrene, or any other compound with an initial boiling point of 300 degrees Fahrenheit or greater listed in 40 Code of Federal Regulations 261, Appendix VIII shall be located at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.473. Organic Liquid Loading and Unloading.

Organic liquids loading or unloading equipment for railcars, tank trucks, or drums; and storage containers, tanks, or change of service of the material loaded, unloaded, or stored is permitted by rule, provided that all of the following conditions of this Section are met.

(1) Uncontrolled emissions calculated using the version of AP-42 in effect at the time are less than 25 tons per year of organic compounds or of any other air contaminant.

(2) The loading rate of the facilities does not exceed 20,000 gallons per day averaged over any consecutive 30-day period.

(3) The capacity of any tank does not exceed 25,000 gallons, except that tanks having a capacity of less than 40,000 gallons may be used to store sweet crude oil, sweet natural gas condensate, gasoline, and petroleum fuels.

(4) The facilities are used exclusively for the loading, unloading, or storage of:

(A) organic liquids normally used as solvents, diluents, thinners, inks, colorants, paints, lacquers, enamels, varnishes, liquid resins, or other surface coatings;

(B) petroleum, petroleum fuels, other motor vehicle fuels, and natural gas liquids, none of which have a true vapor pressure of 11.0 pounds per square inch, absolute, or greater at maximum temperature of use;

(5) The facilities will meet any applicable requirements of Chapter 115 of this title (relating to Control of Air Pollution from Volatile Organic Compounds);

(6) Facilities used for the loading, unloading, or storage of any compound listed in 40 Code of Federal Regulations 261, Appendix VIII are not permitted by rule under this Section .
Adopted August 9, 2000 Effective September 4, 2000

Section 106.474. Hydrochloric Acid Storage.

Hydrochloric acid storage tanks used exclusively for the storage of hydrochloric acid with an acid strength of 38% by weight or less are permitted by rule. If an acid more concentrated than 20% by weight is stored, the tank vent must be controlled to reduce emissions by at least 99%.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.475. Pressurized Tanks or Tanks Vented to a Firebox.

Any vessel storing carbon compounds composed only of carbon, hydrogen, or oxygen is permitted by rule, provided that the vessel vent is directed to an incinerator, boiler, or other firebox having a stationary flue or a waste gas flare system that will operate with no visible emissions except as provided by Chapter 101 of this title (relating to General Air Quality Rules) for periods of maintenance or operational upset. However, vessels not exceeding 100 barrels capacity and storing only liquid petroleum gas may have the safety relief valve vent directly to the atmosphere. Also, any tank having a capacity not to exceed 1,000 gallons and storing only commercial odorants used to odorize petroleum gases may have the safety relief valve vent directly to the atmosphere.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.476. Pressurized Tanks or Tanks Vented to Control.

Any tank or other container storing carbon compounds is permitted by rule, provided that the tank or container pressure is sufficient at all times to prevent vapor or gas loss to the atmosphere or the tank or container is equipped with a relief valve which directs all vapors or gases to an incinerator, boiler, or other firebox having a stationary flue or a waste gas smokeless flare system. The vapors or gases and any necessary fuel gas shall be mixed thoroughly upstream of the heater burner(s) or the flare tip such that the mixed gases have a minimum net or lower heating value of 200 British thermal units per cubic foot. The flare also shall meet the other requirements of Section 106.492 of this title (relating to Flares).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.477. Anhydrous Ammonia Storage.

Anhydrous ammonia storage tanks and distribution facilities that meet the following conditions are permitted by rule.

(1) All valves, connectors, and hoses, associated with permanent storage tanks and any nurse tanks stored on-site, shall be properly maintained in leak-proof condition at all times.

(2) The capacity of each permanent storage tank is 30,000 gallons or less.

(3) When transferring ammonia, all vapors shall be vented back to the host tank and never to the atmosphere.

(4) When relieving pressure from hoses associated with permanent storage tanks and any nurse tanks, all vapors shall be bled into an adequate volume of water and never to the atmosphere.

(5) Each permanent storage tank and any nurse tanks stored on-site are equipped to prevent unauthorized operation.

(6) Before construction begins, written site approval must be received from the regional director and the owner or operator shall file with the commission's Office of Permitting, Remediation, and Registration in Austin a completed Form PI-7 and supporting documentation demonstrating that all of the requirements of this Section will be met.

(7) Each permanent storage tank is located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the property upon which the facility is located.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.478. Storage Tank and Change of Service.

Any fixed or floating roof storage tank, or change of service in any tank, used to store chemicals or mixtures of chemicals shown in Table 478 in paragraph (8) of this Section is permitted by rule, provided that all of the following conditions of this Section are met:

(1) The tank shall be located at least 500 feet away from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.

(2) The true vapor pressure of the compound to be stored shall be less than 11.0 psia at the maximum storage temperature.

(3) For those compounds that have a true vapor pressure greater than 0.5 psia and less than 11.0 psia at the maximum storage temperature, any storage vessel larger than 40,000 gallons capacity shall be equipped with an internal floating cover or equivalent control.

(A) An open top tank containing an external floating roof using double seal technology shall be an approved control alternative equivalent to an internal floating cover tank, provided the primary seal consists of either a mechanical shoe seal or a liquid-mounted seal. Double seals having a vapor-mounted primary seal are an approved alternative for existing open top floating roof tanks undergoing a change of service.

(B) The floating cover or floating roof design shall incorporate sufficient flotation to conform to the requirements of American Petroleum Institute Code 650, Appendix C or an equivalent degree of flotation.

(4) Compounds with a true vapor pressure of 0.5 psia or less at the maximum storage temperature may be stored in a fixed roof or cone roof tank which includes a submerged fill pipe or utilizes bottom loading.

(5) For fixed or cone roof tanks having no internal floating cover, all uninsulated tank exterior surfaces exposed to the sun shall be painted chalk white except where a dark color is necessary to help the tank absorb or retain heat in order to maintain the material in the tank in a liquid state.

(6) Emissions shall be calculated by methods specified in Section 4.3 of the current edition of the United States Environmental Protection Agency Publication AP-42. This document may be obtained from the Superintendent of Documents, Washington D.C. 20402. It is Stock Number 0550000251-7, Volume I.

(7) Before construction begins, storage tanks of 25,000 gallons or greater capacity and located in a designated nonattainment area for ozone shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7. The registration shall include a list of all tanks, calculated emissions for each carbon compound in tons per year for each tank, and a Table 7 of Form PI-2 for each different tank design.

(8) Mixtures of the chemicals listed in Table 478 which contain more than a total of 1.0% by volume of all other chemicals not listed in Table 478 are not covered by this Section .

Table 478
Approved Chemical List for Exemption from Permitting

A. Compounds of the following classes containing only atoms of carbon and hydrogen, not including aromatic compounds:
Paraffins. Examples: hexane, pentane, octane, isooctane.
Cycloparaffins (except cyclopentane). Examples: cyclohexane, methyl cyclopentane.
Olefins (except butadiene). Examples: octene, isoprene.
Cycloolefins. Examples: cyclopentadiene, cyclohexene.

B. Aromatic hydrocarbons only as follows: Ethyl benzene, styrene, xylenes.

C. Compounds of the following classes containing only atoms of carbon, hydrogen, and oxygen:
Alcohols (except allyl alcohol, isobutyl alcohol, and propargyl alcohol). Examples of approved alcohols: butyl alcohol, ethylene glycol.

Ethers (except vinyl ethers, glycol ethers, epoxides, and other ringed oxide compounds such as ketenes, furans, and pyrans). Examples of approved ethers: butyl ether, isopropyl ether.

Esters (except acrylates, methacrylates, allyl acetate, vinyl acetate, isopropyl formate). Examples of approved esters: ethyl acetate, butyl formate, methyl propionate.

Ketones (except allyl acetone, methyl ethyl ketone, methyl normal butyl ketone, acetophenone, and vinyl ketones). Examples of approved ketones: acetone, hexanone.

D. Additional chemicals:

Crude oil and refinery petroleum fractions (except pyrolysis naphthas and pyrolysis gasolines) containing less than 10% benzene. Examples of approved petroleum fractions: intermediate and finished gasolines, naphthas, alkylates, fluid catalytic cracking unit feed, fuel oils, distillates, other liquid fuels, and condensates. Natural gas and crude oil condensates that do not emit sour gas.

E. Non-approved chemicals:

Other chemicals not specifically included within the classes defined above are not approved. Examples of non-approved chemicals: aromatics (other than those listed or those found in the crude oil and refinery liquids as listed); aldehydes; amines; amides; imines; nitriles; halogenated compounds; sulfonated chemicals; cyanates; organic acids; ethylene oxide (EtO), propylene oxide, and other oxygenated compounds not listed; organometallic compounds; pesticides.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER V: THERMAL CONTROL DEVICES
Section Section 106.491 - 106.496
Effective September 4, 2000

Section 106.491. Dual Chamber Incinerators.

Dual-chambered incinerators which burn only waste generated on-site and which meet the conditions of this Section are permitted by rule. Incinerators used in the processing or recovery of materials or to dispose of pathological waste

as defined in Section 106.494 of this title (relating to Pathological Waste Incinerators), hospital waste, and/or infectious waste are not authorized by this Section .

(1) The incinerator shall meet the following design requirements.

(A) The incinerator shall be equipped with an afterburner automatically controlled to operate with a minimum temperature of 1,400 degrees Fahrenheit and a minimum gas retention time of 0.5 seconds.

(B) The manufacturer's rated capacity (burn rate) shall be 500 pounds per hour or less.

(C) Stacks shall have unobstructed vertical discharge when the incinerator is operated. Properly installed and aintained spark arrestors are not considered obstructions.

(D) Stack height shall be six feet above the peak of the highest building within 150 feet.

(2) The incinerator shall meet the following operational conditions.

(A) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.

(B) Fuel for the incinerator shall be limited to sweet natural gas, liquid petroleum gas, Number 2 fuel oil with less than 0.5% sulfur by weight, or electric power.

(C) This facility shall be used solely for the disposal of the following waste materials generated on-site: paper, wood, cardboard cartons, rags, garbage (animal and vegetable wastes as defined in Chapter 101 of this title (relating to General Rules)), and combustible floor sweepings; containing overall not more than 10% treated papers, plastic, or rubber scraps. Neither garbage content nor moisture content shall exceed 50% and noncombustible solids shall not exceed 10%.

(D) The manufacturer's recommended operating instructions shall be posted at the incinerator and the unit shall be operated in accordance with these instructions.

(E) Incinerator owners and operators shall meet the monitoring, testing, reporting, and recordkeeping requirements found in Chapter 111 of this title (relating to Control of Air Pollution from Visible Emissions and Particulate Matter).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.492. Flares.

Smokeless gas flares which meet the following conditions of this Section are permitted by rule:

(1) design requirements.

(A) The flare shall be equipped with a flare tip designed to provide good mixing with air, flame stability, and a tip velocity less than 60 feet per second (ft/sec) for gases having a lower heating value less than 1,000 British thermal units per cubic foot (Btu/ft3) or a tip velocity less than 400 ft/sec for gases having a lower heating value greater than 1,000 Btu/ft3.

(B) The flare shall be equipped with a continuously burning pilot or other automatic ignition system that assures gas ignition and provides immediate notification of appropriate personnel when the ignition system ceases to function. A gas flare which emits no more than 4.0 pounds per hour (lb/hr) of reduced sulfur compounds, excluding sulfur oxides, is exempted from the immediate notification requirement, provided the emission point height meets the requirements of Section 106.352(4) of this title (relating to Oil and Gas Production Facilities).

(C) A flare which burns gases containing more than 24 parts per million by volume (ppmv) of sulfur, chlorine, or compounds containing either element shall be located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the flare or the owner of the property upon which the flare is located.

(D) The heat release of a flare which emits sulfur dioxide (SO2) or hydrogen chloride (HCl) shall be greater than or equal to the following values:

For HCl Q = 2.73 X 105 X HCl

For SO2 Q = 0.53 X 105 X SO2

Where Q = heat release, British thermal units per hour, based on lower heating value

HCl = HCl emission rate, lb/hr

SO2 = SO2 emission rate, lb/hr

(2) operational conditions.

(A) The flare shall burn a combustible mixture of gases containing only carbon, hydrogen, nitrogen, oxygen, sulfur, chlorine, or compounds derived from these elements. When the gas stream to be burned has a net or lower heating value of more than 200 Btu/ft3 prior to the addition of air, it may be considered combustible.

(B) A flare which burns gases containing more than 24 ppmv of sulfur, chlorine, or compounds containing either element shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7 prior to construction of a new flare or prior to the use of an existing flare for the new service.

(C) Under no circumstances shall liquids be burned in the flare.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.493 Direct Flame Incinerators

Direct flame incinerators installed for the purpose of reducing or eliminating non-halogenated volatile organic compound vapors and/or aerosols (but not liquids or solids) are exempt, provided the following conditions of this Section are satisfied.

(1) Before construction begins, the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7.

(2) Each direct flame incinerator shall be automatically controlled to maintain a minimum temperature of 1,400 degrees Fahrenheit in the combustion chamber (secondary chamber if dual-chambered) and a gas retention time of 0.5 second or greater.

(3) Continuous temperature monitors to record the temperature of the combustion chamber (secondary chamber if dual chambered) shall be installed and maintained. Temperature data shall be maintained on a rolling two-year retention basis and shall be made available at the request of personnel from the commission or any local air pollution control program having jurisdiction.

(4) Manufacturer's recommended operating instructions shall be posted at each incinerator and each unit shall be operated in accordance with these instructions.

(5) Opacity of emissions from the incinerator shall not exceed 5.0% averaged over a five-minute period.

(6) There shall be no obstructions to stack flow, such as by rain caps, unless such devices are designed to automatically open when the incinerator is in operation. Properly installed and maintained spark arrestors are not considered obstructions.

(7) Heat for the incinerator shall be provided by the combustion of sweet natural gas, liquid petroleum gas, or Number 2 fuel oil with no more than 0.5% sulfur by weight or by electric power.

(8) The gases being incinerated shall contain no halogenated organic compounds.

(9) This Section shall not apply to catalytic incinerators or direct flame incinerators installed to control emissions from new or modified facilities subject to the requirements of Chapter 116 of this title (relating to Control of Air Pollution by Permits for New Construction or Modification).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.494. Pathological Waste Incinerators.

(a) Definitions. The following words and terms, when used in this Section , shall have the following meanings, unless the context clearly indicates otherwise.

(1) **Pathological waste (as defined in 25 TAC Section 1.132 (relating to Definitions))-**
Includes, but is not limited to:

(A) human materials removed during surgery, labor and delivery, autopsy, or biopsy, including:

(i) body parts;

(ii) tissues or fetuses;

(iii) organs; and

(iv) bulk blood and body fluids;

(B) products of spontaneous or induced human abortions, including body parts, tissues, fetuses, organs, and bulk blood and body fluids, regardless of the period of gestation;

(C) laboratory specimens of blood and tissue after completion of laboratory examination; and

(D) anatomical remains.

(2) **Human remains (as defined in Health and Safety Code (H&SC), Section 711.001)** -
The body of decedent.

(3) **Carcasses** - Dead animals, in whole or part.

(4) **Crematory (as defined in the H&SC, Section 711.001)** - A structure containing a furnace used or intended to be used for the cremation of human remains.

(5) **Animal feeding operations** - A lot or facility (other than an aquatic animal feeding facility or veterinary facility) where animals are stabled or confined and fed or maintained for a total of 45 days or more in any 12-month period, and the animal confinement areas do not sustain crops, vegetation, forage growth, or post-harvest residues in the normal growing season.

(6) **Non-commercial incinerator** - An incinerator which does not accept pathological waste or carcasses generated off-site for monetary compensation.

(7) **Stack height** - Elevation of the stack exit above the ground.

(b) Conditions of permit by rule. Crematories and non-commercial incinerators used to dispose of pathological waste and carcasses which meet the following conditions of this Section are permitted by rule. Incinerators used in the recovery of materials are not covered by this Section .

(1) Design requirements.

(A) The manufacturer's rated capacity (burn rate) shall be 200 pounds per hour (lbs/hr) or less.

(B) The incinerator shall be a dual-chamber design.

(C) Burners shall be located in each chamber, sized to manufacturer's specifications, and operated as necessary to maintain the minimum temperature requirements of subparagraphs (D) or (E) of this paragraph at all times when the unit is burning waste.

(D) Excluding crematories, the secondary chamber much be designed to maintain a temperature of 1,600 degrees Fahrenheit or more with a gas residence time of 1/2 second or more.

(E) In lieu of subparagraph (D) of this paragraph, incinerators at animal feeding operations that:

(i) are used to dispose of carcasses generated on-site; and

(ii) are located a minimum of 700 feet from the nearest property line, shall be designed to maintain a secondary chamber temperature of 1,400 degrees Fahrenheit or more with a gas residence time of 1/4 second or more. Alternatively, incinerators may be located in accordance with Table 494, provided the total manufacturer's rated capacity (burn rate) of all units located less than 700 feet from a property line shall not exceed 200 lb/hr. Setback distances shall be measured from the stack exit.

Table 494

Stack Height (feet)	Property Line Distance (feet) For 24-hour Operation	Property Line Distance (feet) For *Daytime-only Operation
8 or less	210	150
>8 and ≤ 12	200	140
>12 and ≤ 16	180	130
>16 and ≤ 20	160	110
> than 20	140	90

*One hour after sunrise to one hour before sunset

(F) There shall be no obstructions to stack flow, such as by rain caps, unless such devices are designed to automatically open when the incinerator is operated. Properly installed and maintained spark arresters are not considered obstruction.

(2) Operational conditions.

(A) Before construction begins, the facility shall be registered with the commission using Form PI-7.

(B) The manufacturer's recommended operating instructions shall be posted at the unit and the unit shall be operated in accordance with these instructions.

(C) The opacity of emissions from the incinerator shall not exceed 5.0% averaged over a six-minute period.

(D) Heat shall be provided by the combustion of sweet natural gas, liquid petroleum gas, or Number 2 fuel oil with less than 0.3% sulfur by weight, or by electric power.

(E) Incinerators installed and operated in accordance with the conditions of this Section shall not be used to dispose of any medical waste, other than pathological waste and/or carcasses.

(F) Incinerators installed and operated in accordance with the conditions of this Section shall also meet the requirements of Section Section 111.121, 111.125, 111.127, and 111.129 of this title (relating to Single-, Dual-, and Multiple-Chamber Incinerators; Testing Requirements; Monitoring and Recordkeeping Requirements; and Operating Requirements).

(G) Crematories shall be used for the sole purpose of cremation of human remains and appropriate containers.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.495. Heat Cleaning Devices.

Heat cleaning devices (such as ovens, furnaces, and/or direct flame incinerators) used to thermally remove residual combustible or semi-combustible materials from noncombustible electrical or mechanical parts are permitted by rule, provided the following conditions of this Section are satisfied.

(1) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.

(2) The combustible material shall not exceed 10% by weight of the total load to the oven, furnace, and/or incinerator.

(3) The combustible material shall contain no halogenated organic compounds.

(4) The oven, furnace, and/or incinerator shall be equipped with an afterburner automatically controlled to operate with a minimum temperature of 1,400 degrees Fahrenheit and a gas retention time of 0.5 second or greater.

(5) Opacity of emissions from the oven, furnace, and/or incinerator shall not exceed 5.0% averaged over a five-minute period.

(6) The manufacturer's recommended operating instructions shall be posted at each oven, furnace, and/or incinerator, and each unit shall be operated in accordance with these instructions.

(7) Heat shall be provided by the combustion of sweet natural gas, liquid petroleum gas, or Number 2 fuel oil with no more than 0.5% sulfur by weight, or by electric power.

(8) The emission of any air contaminant shall not exceed 0.5 pounds per hour and 2.0 tons per year.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.496 Trench Burners

Any trench burner that operates according to the following conditions of this Section is exempt.

(1) The trench burner shall be operated at least 300 feet from any recreational area, residence, or other structure not occupied or used solely by the owner of the trench burner or the owner of the property upon which the trench burner is located.

(2) The trench shall be opened in undisturbed soil not previously excavated, built up, compacted, or used in any type of landfill operation.

(3) The trench shall be no wider than 12 feet with a minimum depth of ten feet. The maximum length of the burning area as measured along the bottom of the trench shall not exceed by more than five feet the length of the manifold. The walls of the trench must be maintained such that they remain vertical.

(4) Operation of this trench burner is limited to the hours between 8:00 a.m. and 6:00 p.m., and is limited to a total of eight hours per day and 1,000 hours per year. A written record or log of the hours of operation of this trench burner shall be maintained at the site and made available at the request of personnel from the commission or any local air pollution control program having jurisdiction. This record or log shall be organized such that the compliance status of this special condition can be readily determined.

(5) Material shall not be added to the trench such that the material will not be consumed by 6:00 p.m.

(6) The blower shall remain on until all material is consumed so that any remaining material in the trench will not smoke when the blower is turned off.

(7) This trench burner shall not be operated when an air stagnation advisory is in effect for the area in which the trench burner is located.

(8) Opacity of emissions from the trench and from operation of the blower shall not exceed 20% averaged over a five-minute period, except for a start-up period which shall not exceed 20 minutes. Opacity shall be measured as outlined in Chapter 13, "Visible Emissions Evaluation," of the commission's Sampling Procedures Manual, as published in January 1983, and as subsequently revised.

(9) Material to be burned in the trench is limited to not more than 7.0 tons per hour of trees, brush, and untreated lumber. Material not being worked and material being stockpiled to be burned at a later date must be kept at least 75 feet from the trench.

(10) Material shall not be added to the trench in such a manner as to be stacked above the air curtain at any time.

(11) The ash generated by this operation shall be removed from the trench as necessary in order to maintain the minimum trench depth of ten feet. The ash shall be removed in such a manner as to minimize the ash becoming airborne. All material removed from the trench must be completely extinguished before being landfilled or placed in contact with combustible material to prevent combustion outside of the trench or in the landfill.

(12) A copy of this Section shall be kept at the burn site and made available at the request of personnel from the commission or any local air pollution control program having jurisdiction.

(13) Operating instructions shall be posted at the burn site and all operators shall read and have knowledge of these instructions. The operating instructions shall be made available at the request of personnel from the commission or any local air pollution control program having jurisdiction.

(14) An operator shall remain with the trench burner at all times when it is operating.

(15) Upon notification by a representative of the commission or any local air pollution control program having jurisdiction that the trench burner is not complying with the conditions of this Section , no additional material shall be added to the trench until compliance with such conditions has been effected.

(16) The Texas Natural Resource Conservation Commission (TNRCC) shall be notified by the owner or operator of the trench burner prior to use of the trench burner at a TNRCC permitted landfill.

(17) Upon removal of the trench burner from the burn site, the trench shall be completely filled with uncombustible material.

(18) Before operation of the facility begins at any site, written site approval shall be received from the executive director and any local air pollution control program having jurisdiction in the area and the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER W: TURBINES AND ENGINES
Section 106.511, Section 106.512
Effective September 4, 2000

Section 106.511. Portable and Emergency Engines and Turbines.

Internal combustion engine and gas turbine driven compressors, electric generator sets, and water pumps, used only for portable, emergency, and/or standby services are permitted by rule, provided that the maximum annual operating hours shall not exceed 10% of the normal annual operating schedule of the primary equipment; and all electric motors. For purposes of this Section , “standby” means to be used as a “substitute for” and not “in addition to” other equipment.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.512. Stationary Engines and Turbines.

Gas or liquid fuel-fired stationary internal combustion reciprocating engines or gas turbines that operate in compliance with the following conditions of this Section are exempt.

(1) The facility shall be registered by submitting the commission's Form PI-7, Table 29 for each proposed reciprocating engine, and Table 31 for each proposed gas turbine to the commission's Office of Air Quality in Austin within ten days after construction begins. Engines and turbines rated less than 240 horsepower (hp) need not be registered, but must meet paragraphs (5) and (6) of this Section , relating to fuel and protection of air quality. Engine hp rating shall be based on the engine manufacturer's maximum continuous load rating at the lesser of the engine or driven equipment's maximum published continuous speed. A rich-burn engine is a gas-fired spark-ignited engine that is operated with an exhaust oxygen content less than 4.0% by volume. A lean-burn engine is a gas-fired spark-ignited engine that is operated with an exhaust oxygen content of 4.0% by volume, or greater.

(2) For any engine rated 500 hp or greater, subparagraphs (A)-(C) of this paragraph shall apply.

(A) The emissions of nitrogen oxides (NOx) shall not exceed the following limits:

(i) 2.0 grams per horsepower-hour (g/hp-hr) under all operating conditions for any gas-fired rich-burn engine;

(ii) 2.0 g/hp-hr at manufacturer's rated full load and speed, and other operating conditions, except 5.0 g/hp-hr under reduced speed, 80-100% of full torque conditions, for any spark-ignited, gas-fired lean-burn engine, or any compression-ignited dual fuel-fired engine manufactured new after June 18, 1992;

(iii) 5.0 g/hp-hr under all operating conditions for any spark-ignited, gas-fired, lean-burn two-cycle or four-cycle engine or any compression-ignited dual fuel-fired engine rated 825 hp or greater and manufactured after September 23, 1982, but prior to June 18, 1992;

(iv) 5.0 g/hp-hr at manufacturer's rated full load and speed and other operating conditions, except 8.0 g/hp-hr under reduced speed, 80-100% of full torque conditions for any spark-ignited, gas-fired, lean-burn four-cycle engine, or any compression-ignited dual fuel-fired engine that:

(I) was manufactured prior to June 18, 1992, and is rated less than 825 hp; or

(II) was manufactured prior to September 23, 1982;

(v) 8.0 g/hp-hr under all operating conditions for any spark-ignited, gas-fired, two-cycle lean-burn engine that:

(I) was manufactured prior to June 18, 1992, and is rated less than 825 hp; or

(II) was manufactured prior to September 23, 1982;

(vi) 11.0 g/hp-hr for any compression-ignited liquid-fired engine.

(B) For such engines which are spark-ignited gas-fired or compression-ignited dual fuel-fired, the engine shall be equipped as necessary with an automatic air-fuel ratio (AFR) controller which maintains AFR in the range required to meet the emission limits of subparagraph (A) of this paragraph. An AFR controller shall be deemed necessary for any engine controlled with a non-selective catalytic reduction (NSCR) converter and for applications where the fuel heating value varies more than plus or minus 50 British thermal unit/standard cubic feet from the design lower heating value of the fuel. If an NSCR converter is used to reduce NOx, the automatic controller shall operate on exhaust oxygen control.

(C) Records shall be created and maintained by the owner or operator for a period of at least two years, made available, upon request, to the commission and any local air pollution control agency having jurisdiction, and shall include the following:

(i) documentation for each AFR controller, manufacturer's, or supplier's recommended maintenance that has been performed, including replacement of the oxygen sensor as necessary for oxygen sensor-based controllers. The oxygen sensor shall be replaced at least quarterly in the absence of a specific written recommendation;

(ii) documentation on proper operation of the engine by recorded measurements of NOx and carbon monoxide (CO) emissions as soon as practicable, but no later than seven days following each occurrence of engine maintenance which may reasonably be expected to increase emissions, changes of fuel quality in engines without oxygen sensor-based AFR controllers which may reasonably be expected to increase emissions, oxygen sensor replacement, or catalyst cleaning or catalyst replacement. Stain tube indicators specifically designed to measure NOx and CO concentrations shall be acceptable for this documentation, provided a hot air probe or equivalent device is used to prevent error due to high stack temperature, and three sets of concentration measurements are made and averaged. Portable NOx and CO analyzers shall also be acceptable for this documentation;

(iii) documentation within 60 days following initial engine start-up and biennially thereafter, for emissions of NOx and CO, measured in accordance with United States Environmental Protection Agency (EPA) Reference Method 7E or 20 for NOx and Method 10 for CO. Exhaust flow rate may be determined from measured fuel flow rate and EPA Method 19. California Air Resources Board Method A-100 (adopted June 29, 1983) is an acceptable alternate to EPA test methods. Modifications to these methods will be subject to the prior approval of the Source and Mobile Monitoring Division of the commission. Emissions shall be measured and recorded in the as-found operating condition; however, compliance determinations shall not be established during start-up, shutdown, or under breakdown conditions. An owner or operator may submit to the appropriate regional office a report of a valid emissions test performed in Texas, on the same engine, conducted no more than 12 months prior to the most recent start of construction date, in lieu of performing an emissions test within 60 days following engine start-up at the new site. Any such engine shall be sampled no less frequently than biennially (or every 15,000 hours of elapsed run time, as recorded by an elapsed run time meter) and upon request of the executive director. Following the initial compliance test, in lieu of performing stack sampling on a biennial calendar basis, an owner or operator may elect to install and operate an elapsed operating time meter and shall test the engine within 15,000 hours of engine operation after the previous emission test. The owner or operator who elects to test on an operating hour schedule shall submit in writing, to the appropriate regional office, biennially after initial sampling, documentation of the actual recorded hours of engine operation since the previous emission test, and an estimate of the date of the next required sampling.

(3) For any gas turbine rated 500 hp or more, subparagraphs (A) and (B) of this paragraph shall apply.

(A) The emissions of NOx shall not exceed 3.0 g/hp-hr for gas-firing.

(B) The turbine shall meet all applicable NOx and sulfur dioxide (SO2) (or fuel sulfur) emissions limitations, monitoring requirements, and reporting requirements of EPA New Source Performance Standards Subpart GG--Standards of Performance for Stationary Gas Turbines. Turbine hp rating shall be based on turbine base load, fuel lower heating value, and International Standards Organization Standard Day Conditions of 59 degrees Fahrenheit, 1.0 atmosphere and 60% relative humidity.

(4) Any engine or turbine rated less than 500 hp or used for temporary replacement purposes shall be exempt from the emission limitations of paragraphs (2) and (3) of this Section . Temporary replacement engines or turbines shall be limited to a maximum of 90 days of operation after which they shall be removed or rendered physically inoperable.

(5) Gas fuel shall be limited to: sweet natural gas or liquid petroleum gas, fuel gas containing no more than ten grains total sulfur per 100 dry standard cubic feet, or field gas. If field gas contains more than 1.5 grains hydrogen sulfide or 30 grains total sulfur compounds per 100 standard cubic feet (sour gas), the engine owner or operator shall maintain records, including at least quarterly measurements of fuel hydrogen sulfide and total sulfur content, which demonstrate that the annual SO2 emissions from the facility do not exceed 25 tons per year (tpy). Liquid fuel shall be petroleum distillate oil that is not a blend containing waste oils or solvents and contains less than 0.3% by weight sulfur.

(6) There will be no violations of any National Ambient Air Quality Standard (NAAQS) in the area of the proposed facility. Compliance with this condition shall be demonstrated by one of the following three methods:

(A) ambient sampling or dispersion modeling accomplished pursuant to guidance obtained from the executive director. Unless otherwise documented by actual test data, the following nitrogen dioxide (NO2) /NOx ratios shall be used for modeling NO2 NAAQS;

Device	NO_x Emission Rate (Q) g/hp-hr	NO_2/NO_x Ratio
IC Engine	Less than 2.0	0.4
IC Engine	2.0 thru 10.0	0.15 + (0.5/Q)
IC Engine	Greater than 10.0	0.2
Turbines		0.25
IC Engine with catalytic converter		0.85

B) all existing and proposed engine and turbine exhausts are released to the atmosphere at a height at least twice the height of any surrounding obstructions to wind flow. Buildings, open-sided roofs, tanks, separators, heaters, covers, and any other type of structure are considered as obstructions to wind flow if the distance from the nearest point on the obstruction to the nearest exhaust stack is less than five times the lesser of the height, Hb, and the width, Wb, where:

Hb = maximum height of the obstruction, and
Wb = projected width of construction

2 square root of {(L x W)/(3.141)}

where:

L = length of obstruction
W = width of obstruction

(C) the total emissions of NOx (nitrogen oxide plus NO2) from all existing and proposed facilities on the property do not exceed the most restrictive of the following:

(i) 250 tpy;

(ii) the value (0.3125 D) tpy, where D equals the shortest distance in feet from any existing or proposed stack to the nearest property line.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER X: WASTE PROCESSES AND REMEDIATION
Section Section 106.531 - 106.534
Effective September 4, 2000

Section 106.531. Sewage Treatment Facility.

Sewage treatment facilities, excluding combustion or incineration equipment, land farms, or grease trap waste handling or treatment facilities are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.532. Water and Wastewater Treatment.

Water and wastewater treatment units are permitted by rule, provided the following conditions of this Section are met.

(1) The facility performs only the following functions:

(A) disinfection;

(B) softening;

(C) filtration;

(D) flocculation;

(E) stabilization;

(F) taste and odor control;

(G) clarification;

(H) carbonation;

(I) sedimentation;

(J) neutralization;

(K) chlorine removal;

(L) activated sludge treatment, anaerobic treatment, and associated control of gases from these treatments;

(M) aerobic oxidation/biodegration using oxygen or peroxide in the absence of nitrogen or other gas that would cause stripping of volaltile organic compounds (VOC) from the water;

(N) stripping VOC, ammonia, or other air contaminants from the water with air or other gas, provided the stripped gases are controlled with an abatement system that meets the requirements of Section 106.533(5) of this title (relating to Water and Soil Remediation). For ammonia or hydrogen chloride (HCl) or other acid gas emissions, abatement may include a water or caustic scrubbing system as a means of complying with this Section . Final emissions of HCl resulting from combustion of chlorine or chlorine-containing compounds shall not exceed 0.1 pounds per hour;

(O) liquid phase separation of VOC and water in which:

(i) the sum of the partial pressures of all species of VOC in any sample is less than 1.5 psia; or

(ii) the separator is enclosed and emissions are vented through an emission abatement system meeting the requirements specified previously for stripped VOC and ammonia;

(2) Chlorine or sulfur dioxide (SO2) shall be used only in containers approved by the United States Department of Transportation and emissions of chlorine or SO2 from treatment of water or decontamination of equipment at any water treatment plant shall not exceed ten tons per year.

(3) The following shall not be permitted by rule under this Section :

(A) gas stripping or aeration facilities where VOC or other air contaminants are stripped from water directly to the atmosphere;

(B) disposal facilities using land surface treatment;

(C) surface facilities associated with injection wells;

(D) cooling towers in which VOC or other air contaminants may be stripped to the atmosphere.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.533. Water and Soil Remediation.

Equipment used to reclaim or destroy chemicals removed from contaminated ground water, contaminated water condensate in tank and pipeline systems, or contaminated soil for the purpose of remedial action is permitted by rule, provided all the following conditions of this Section are satisfied.

(1) Applicability shall pertain to soil and water remediation at the property where the original contamination of the ground water or soil occurred or at a nearby property secondarily affected by the contamination, but not to any soil or water treatment facility where soils or water are brought in from another property. Such facilities are subject to Section 116.110 of this title (relating to Applicability).

(2) For treating groundwater or soil contaminated with petroleum compounds, the total emissions of petroleum hydrocarbons shall not exceed 1.0 pound per hour (lb/hr), except that benzene emissions also must meet the conditions of Section 106.262(3) and (4) of this title (relating to Facilities (Emission and Distance Limitations). For purposes of this Section , petroleum is considered to include:

(A) liquids or gases produced from natural formations of crude oil, tar sands, shale, coal and natural gas; or

(B) refinery fuel products to include fuel additives.

(3) For treating groundwater or soil contaminated with chemicals other than petroleum, emissions must meet the requirements of Section 106.262(2), (3), and (4) of this title. If the groundwater or soil is contaminated with both petroleum and other chemicals, the petroleum compound emissions must meet paragraph (2) of this Section and the other chemical emissions must meet the requirements of Section 106.262(2), (3), and (4) of this title. The emission of any chemical not having a Limit (L) Value in Table 262 of Section 106.262 of this title is limited to 1.0 lb/hr.

(4) The handling and processing (screening, crushing, etc.) of contaminated soil and the handling and conditioning (adding moisture) of remediated soil shall be controlled such that there are no visible emissions with the exception of moisture.
(5) If abatement equipment is used to meet paragraphs (2) and (3) of this Section , the equipment must satisfy one of the following conditions.

(A) The vapors shall be burned in a direct-flame combustion device (incinerator, furnace, boiler, heater, or other enclosed direct-flame device) operated in compliance with Section 106.493(2) and (3) of this title (relating to Direct Flame Incinerators (Previously SE 88)).

(B) The vapors shall be burned in a flare which meets the requirements of Section 106.492 of this title (relating to Flares (Previously SE 80)) and the requirements of 40 Code of Federal Regulations 60.18, which shall take precedence over Section 106.492 of this title in any conflicting requirements whether or not New Source Performance Standards apply to the flare.

(C) The vapors shall be burned in a catalytic oxidizer which destroys at least 90% of the vapors. An evaluation of oxidizer effectiveness shall be made at least weekly, using a portable flame or photoionization detector or equivalent instrument to determine the quantity of carbon compounds in the inlet and outlet of the catalytic oxidizer. Records of oxidizer performance shall be maintained in accordance with paragraph (7) of this Section .

(D) The vapors shall be routed through a carbon adsorption system (CAS) consisting of at least two activated carbon canisters that are connected in series. The system shall meet the following additional requirements.

(i) The CAS shall be sampled and recorded weekly to determine breakthrough of volatile organic compounds (VOC). Breakthrough is defined as a measured VOC concentration of 50 parts per million by volume (ppmv) in the outlet of the initial canister. The sampling point shall be at the outlet of the initial canister, but before the inlet to the second or final polishing canister. Sampling shall be performed while venting maximum emissions to the CAS (example: during loading of tank trucks, during tank filling, during process venting).

(ii) A flame ionization detector (FID) shall be used for VOC sampling. The FID shall be calibrated prior to sampling with certified gas mixtures (propane in air) of 10 ppmv ± 2.0% and of 100 ppmv ± 2.0%.

(iii) When the VOC breakthrough is measured, the waste gas flow shall be switched to the second canister immediately. Within four hours of detection of breakthrough, a fresh canister shall be placed as the new final polishing canister. Sufficient fresh activated carbon canisters shall be maintained at the site to ensure fresh polishing canisters are installed within four hours of detection of breakthrough.

(iv) Records of the CAS monitoring maintained at the plant site shall include, but are not limited to, the following:

(I) sample time and date;

(II) monitoring results (ppmv);

(III) corrective action taken, including the time and date of the action; and

(IV) process operations occurring at the time of sampling.

(v) The registration shall include a demonstration that activated carbon is an appropriate choice for control of the organic compounds to be stripped.

(6) Before construction of the facility begins, the facility shall be registered with the commission's Office of permitting, Remediation, and Registration in Austin using Form PI-7. The registration shall contain specific Information concerning the basis (measured or calculated) for the expected emissions from the facility. The registration shall also explain details as to why the emission control system can be expected to perform as represented.

(7) Records required by applicable paragraphs of this Section shall be maintained at the site and made available to personnel from the commission or any local agency having jurisdiction. These records shall be made available to representatives of the commission and local programs upon request and shall be retained for at least two years following the date that the data is obtained.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.534. Municipal Solid Waste Landfills and Transfer Stations**.**

Municipal solid waste landfills and waste transfer stations operating in compliance with the Texas Solid Waste Disposal Act are exempt.
Adopted August 9, 2000 Effective September 4, 2000

Permit by Rule, Chapter 106 - September 4, 2000

30 TAC Chapter 106 - Exemptions from Permitting

SUBCHAPTER A: GENERAL REQUIREMENTS
Section Section 106.1, 106.2, 106.4, 106.5, 106.6, 106.13
Effective September 4, 2000

Section 106.1. Purpose.

This chapter identifies certain types of facilities or changes within facilities which the commission has determined will not make a significant contribution of air contaminants to the atmosphere pursuant to the Texas Health and Safety Code, the Texas Clean Air Act (TCAA), Section 382.057 and Section 382.05196.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.2. Applicability.

This chapter applies to certain types of facilities or changes within facilities listed in this chapter where construction is commenced on or after the effective date of the relevant permit by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.4. Requirements for Permitting by Rule.

(a) To qualify for an exemption, the following general requirements must be met.

(1) Total actual emissions authorized under permit by rule from the facility shall not exceed 250 tons per year (tpy) of carbon monoxide (CO) or nitrogen oxides (NOx); or 25 tpy of volatile organic compounds (VOC) or sulfur dioxide (SO2) or inhalable particulate matter (PM10); or 25 tpy of any other air contaminant except carbon dioxide, water, nitrogen, methane, ethane, hydrogen, and oxygen.

(2) Any facility or group of facilities, which constitutes a new major stationary source, as defined in Section 116.12 of this title (relating to Nonattainment Review Definitions), or any modification which constitutes a major modification, as defined in Section 116.12 of this title, under the new source review requirements of the Federal Clean Air Act (FCAA), Part D (Nonattainment) as amended by the FCAA
Amendments of 1990, and regulations promulgated thereunder, must meet the permitting requirements of Chapter 116, Subchapter B of this title (relating to New Source Review Permits) and cannot qualify for a permit by rule under this chapter. Persons claiming a permit by rule under this chapter should see the requirements of Section 116.150 of this title (relating to New Major Source or Major Modification in Ozone Nonattainment Areas) to ensure that any applicable netting requirements have been satisfied.

(3) Any facility or group of facilities, which constitutes a new major stationary source, as defined in 40 Code of Federal Regulations (CFR) Section 52.21, or any change which constitutes a major modification, as defined in 40 CFR Section 52.21, under the new source review requirements of the FCAA, Part C (Prevention of Significant Deterioration) as amended by the FCAA Amendments of 1990, and
regulations promulgated thereunder, must meet the permitting requirements of Chapter 116, Subchapter B of this title and cannot qualify for a permit by rule under this chapter.

(4) Unless at least one facility at an account has been subject to public notification and comment as required in Chapter 116, Subchapter B or Subchapter D of this title (relating to New Source Review Permits or Permit Renewals), total actual emissions from all facilities permitted by rule at an account shall not exceed 250 tpy of CO or NO x ; or 25 tpy of VOC or SO2 or PM10 ; or 25 tpy of any other air contaminant except carbon dioxide, water, nitrogen, methane, ethane, hydrogen, and oxygen.

(5) Construction or modification of a facility commenced on or after the effective date of a revision of this Section or the effective date of a revision to a specific permit by rule in this chapter must meet the revised requirements to qualify for a permit by rule.

(6) A facility shall comply with all applicable provisions of the FCAA, Section 111 (Federal New Source Performance Standards) and Section 112 (Hazardous Air Pollutants), and the new source review requirements of the FCAA, Part C and Part D and regulations promulgated
thereunder.

(7) There are no permits under the same commission account number that contain a condition or conditions precluding the use of a permit by rule under this chapter.

(b) No person shall circumvent by artificial limitations the requirements of Section 116.110 of this title (relating to Applicability).

(c) The emissions from the facility shall comply with all rules and regulations of the commission and with the intent of the TCAA, including protection of health and property of the public, and all emissions control equipment shall be maintained in good condition and operated properly during operation of the facility.

(d) Facilities permitted by rule under this chapter are not exempted from any permits or registrations required by local air pollution control agencies. Any such requirements must be in accordance with TCAA, Section 382.113 and any other applicable law.
Adopted March 7, 2001 Effective March 29, 2001

Section 106.5. Public Notice.

(a) Any registration subject to this chapter that is declared administratively complete on or after September 1, 1999 is subject to the current version of this chapter. Any registration that is declared administratively complete before September 1, 1999 is subject to the December 24, 1998 version of this chapter, and that version of this chapter is continued in effect for this purpose.

(b) Facilities constructed under this chapter that consist of permanently or temporarily located concrete plants that accomplish wet batching, dry batching, or central mixing, or specialty wet batch, concrete, mortar, grout mixing, or pre-cast concrete products, shall conduct public notice of the proposed construction unless exempted from public notice requirements by TCAA, Section 382.058(b). In all
cases, public notice shall comply with the requirements under Chapter 39 of this title (relating to Public Notice) and public articipation shall be subject to Chapter 55 of this title (relating to Requests for Reconsideration and Contested Case Hearing; Public Comment).
Adopted September 2, 1999 Effective September 23, 1999

Section 106.6. Registration of Emissions.

(a) An owner or operator may certify and register the maximum emission rates from facilities exempted under this chapter in order to establish enforceable allowable emission rates which are below the emission limitations in 106.4 of this title (relating to Requirements for Exemption from Permitting).

(b) All representations with regard to construction plans, operating procedures, and maximum emission rates in any certified registration under this Section become conditions upon which the exempt facility shall be constructed and operated.

(c) It shall be unlawful for any person to vary from such representation if the change will cause a change in the method of control of emissions, the character of the emissions, or will result in an increase in the discharge of the various emissions, unless the certified registration is first revised.

(d) The certified registration must include documentation of the basis of emission estimates and a written statement by the registrant certifying that the maximum emission rates listed on the registration reflect the reasonably anticipated maximums for operation of the facility.

(e) The certified registration shall be maintained on-site and be provided immediately upon request by representatives of the Texas Natural Resource Conservation Commission or any air pollution control agency having jurisdiction. If the plant site is unmanned, the regional manager may authorize an alternative site to maintain this documentation. Copies of the certified registration shall be included in applications for permits subject to review under the undesignated heads in Chapter 116, 30 TAC 106 - Subchapter B of this title (relating to New Source Review Permits).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.13. References to Standard Exemptions and Exemptions from Permitting.

The authorizations formerly known as standard exemptions and exemptions from permitting are referred to as permits by rule in this title. Types of facilities and changes within facilities authorized by those standard exemptions and exemptions from permitting continue to be authorized unless modifications or changes to those facilities has caused them to no longer meet the conditions of the former standard exemption or exemption from permitting and the general requirements of this subchapter.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER C : DOMESTIC AND COMFORT HEATING AND COOLING
Section Section 106.101 - 106.103
Effective September 4, 2000

Section 106.101. Domestic Use Facilities.

Any facility constructed and operated at a domestic residence for domestic use is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.102. Comfort Heating.

This Section permits by rule combustion units designed and used exclusively for comfort heating purposes employing liquid petroleum gas, natural gas, solid wood, or distillate fuel oil. Distillate fuel oil includes diesel fuel, kerosene, and heating oil Grades 4 and lighter. Distillate fuel oil does not include heavier residual oils such as Grades 5 and 6 fuel oil. Combustion of bark chips, sawdust, wood chips, treated wood, or wood contaminated with chemicals is not included. Used oil that has not been mixed with hazardous waste may be used as fuel in space heaters provided that:

(1) the space heater or combination of space heaters at the same account have a maximum capacity of 1.0 Million Btu per hour (MMBtu/hr) provided each individual heater is not greater than 0.5 MMBtu/hr;

(2) the combustion gases from the heater(s) are vented to the ambient air in accordance with the following requirements:

(A) through an unobstructed vertical vent; or

(B) for a stack with a cap;

(i) for a flat roof, through a minimum of a three-foot stack; or

(ii) for a sloped roof, through a stack that is three feet higher than a point extending ten feet horizontally from the roof; and

(3) the heater(s) burns only used oil that the owner or operator generates on-site or used oil received from household do-it-yourself used oil generators.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.103. Air Conditioning and Ventilation Systems.

Comfort air conditioning systems or comfort ventilating systems which are not used to remove air contaminants generated by or released from specific units of equipment are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER D : ANALYSIS AND TESTING
Section Section 106.121 - 106.124
Effective September 4, 2000

Section 106.121. Hydraulic and Hydrostatic Testing Equipment.

Equipment used for hydraulic or hydrostatic testing is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.122. Bench Scale Laboratory Equipment.

Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analyses are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.123. Vacuum-producing Devices for Laboratory Use.

Vacuum-producing devices used in laboratory operations are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.124. Pilot Plants.

Any new or modified pilot plant is permitted by rule, provided the following conditions of this Section are met.

(1) For purposes of this Section , a pilot plant is defined as a facility that is constructed and operated only for one of the following purposes:

(A) testing the manufacturing or marketing potential of a proposed product; or

(B) defining the design of a larger plant; or

(C) studying the behavior of an existing plant through modeling in the pilot plant.

(2) The sum of product, co-product, and by-product production design capacity from the pilot plant shall not exceed five million pounds per year.

(3) Operation of the pilot plant for purposes of testing market potential of a product, co-product, or by-product may not occur beyond the end of the fifth calendar year from the year of initial production (year 1) of the specific product, co-product, or by-product, unless a permit is obtained under Section 116.110 of this title (relating to Applicability). This five-year limit on pilot plant activity applies to equipment devoted to development of one specific product or process; therefore, that equipment can be subsequently used for development of other process(es) or product(s), setting a new time limit for its use.

(4) The pilot plant shall be located at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.

(5) New or increased emissions shall not exceed 6.0 pounds per hour (lb/hr) and ten tons per year in total (including fugitives) and shall not exceed 1.0 lb/hr at any single stack (excluding fugitives). In addition, total new or increased emissions of each specific chemical shall not exceed the most stringent applicable requirement of the following:

(A) the chemical-specific emission limits determined by Section 106.262(3) of this title (relating to Facilities (Emission and Distance Limitations));

(B) the chemical-specific emission limits determined by Section 106.261(4) of this title (relating to Facilities (Emission Limitations)); or

(C) 6.0 lb/hr for any simple asphyxiant as defined by the American Conference of Governmental Industrial Hygienists.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER E: AGGREGATE AND PAVEMENT
Section Section 106.141 - 106.150
Effective September 4, 2000

Section 106.141. Batch Mixers.

Batch mixers with rated capacity of five cubic feet or less for mixing cement, sand, aggregate, additives, and/or water or similar materials are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.142. Rock Crushers.

Any rock crusher with a maximum rated capacity of 200 tons per hour or less that operates according to the following conditions of this Section is permitted by rule:

(1) operating schedule of the plant does not exceed 1,600 hours per year;

(2) all in-plant haul roads and stockpiles are sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions;

(3) water sprays are located at all belt transfer points, shaker screens, and inlet and outlet of all crushers and used as necessary to achieve maximum control of dust emissions;

(4) the plant is located at least 1/2 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located;

(5) the plant is located at least 1,000 feet from any state or federal highway not currently under maintenance or construction;

(6) before construction of the facility begins, written site approval is received from the executive director and the facility shall be registered with the commission using Form PI-7, including a current Table 17.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.143. Wet Sand and Gravel Production.

Any wet sand and gravel production facility that obtains its material from subterranean and subaqueous beds where the deposits of sand and gravel are consolidated granular materials resulting from natural disintegration of rock and stone and whose production rate is 500 tons per hour or less is permitted by rule. All permanent in-plant roads shall be paved and cleaned as necessary or watered as necessary to achieve maximum control of dust emissions.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.144. Bulk Mineral Handling.

All bulk mineral product (except asbestos) handling facilities that operate in compliance with the following conditions of this Section are permitted by rule.

(1) All material shall be transported in a closed conveying system and all exhaust air to the atmosphere shall be vented through a fabric filter having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with automatic air cleaning.

(2) All permanent in-plant roads and vehicle work areas shall be watered, treated with dust-suppressant chemicals, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(3) The facility (including associated stationary equipment and stockpiles) shall be located at least 300 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the property upon which the facility is located.

(4) Before construction begins, written site approval must be received from the executive director and the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.

Adopted August 9, 2000 Effective September 4, 2000

Section 106.145. Bulk Sand Handling.

All oil well servicing bulk sand handling facilities that operate according to the following conditions of this Section are permitted by rule.

(1) All sand shall be prewashed.

(2) All handling of sand shall be mechanical or, if conveyed pneumatically, the conveying air shall be vented to the atmosphere through a fabric filter(s) having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with air cleaning.

(3) All permanent in-plant roads and vehicle work areas shall be watered, treated with dust- suppressant chemicals, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(4) The facility (including associated stationary equipment and stockpiles) shall be located at least 300 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the property upon which the facility is located.

(5) Before construction begins, the owner or operator shall file with the commission's Office of Permitting, Remediation, and Registration in Austin a completed Form PI-7 and supporting documentation demonstrating that all of the requirements of the permit by rule will be met.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.146. Soil Stabilization Plants.

Any soil stabilization facility that operates according to the following conditions of this Section is permitted by rule.

(1) All bulk storage silos shall be equipped with fabric filter(s) having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with automatic air cleaning.

(2) All conveyor belts transferring dry material to the pug mill shall be top covered.

(3) The pug mill used to mix the materials shall be covered.

(4) All permanent in-plant roads and vehicle work areas shall be watered, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(5) An audible and/or visible mechanism shall be installed on the storage silo(s) to notify operators that the silo is full.

(6) All stockpiles shall be sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions.

(7) When emulsified asphalt is used as the stabilizing admixture, the emulsified asphalt shall be stored in a container used exclusively for emulsified asphalt storage. Transfer of emulsified asphalt from the storage tank to the pug mill shall be accomplished by means of a pump and metering device.

(8) Before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Permitting, Remediating, and Registration in Austin using Form PI-7.

(9) The facility shall be located at least 300 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located. This distance limitation does not apply to structures within the boundaries of the project for which the facility is to process stabilized soil when the facility is located on or contiguous to the project.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.147. Asphalt Concrete Plants.

Any asphalt concrete facility that complies with 40 Code of Federal Regulations Part 60, Subparts A and I and operates according to the following conditions of this Section is exempt.

(1) A New Source Performance Standard pretest meeting concerning the required stack sampling shall be held with commission personnel before the required tests are performed. Air contaminants to be tested for will be determined at the pretest meeting. Stack sampling requirements will not be required by the executive director, provided that:

(A) the applicant submits adequate documentation (including copies of previous test results of the model hot mix plant proposed, including a description of the aggregate materials used in previous tests) demonstrating compliance with the 0.04 grain per dry standard cubic feet allowable;

(B) visible emissions from the exhaust stack are documented at 5.0% or less opacity averaged over six consecutive minutes.

(2) Fuel for dryers shall be sweet natural gas as defined in Chapter 101 of this title (relating to General Rules) or liquid petroleum gas, diesel, or fuel oil with a maximum sulfur content of 1.5%.

(3) All aggregate stockpiles shall be sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions.

(4) All permanent in-plant roads shall be watered, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(5) The plant is located at least 1/2 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.

(6) Before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7, including a current Table 22.

(7) Emissions of particulate matter, sulfur dioxide, or organic compounds shall not exceed 25 tons per year each. Adopted August 9, 2000 Effective September 4, 2000

Section 106.148. Material Unloading.

Railcar or truck unloading of wet sand, gravel, aggregate, coal, lignite, and scrap iron or scrap steel (but not including metal ores, metal oxides, battery parts, or fine dry materials) into trucks or other railcars for transportation to other locations is permitted by rule, provided the following conditions of this Section are met.

(1) Bulk materials shall not be stored on-site.

(2) Water sprays or the equivalent must be installed and used as necessary at material handling operations to achieve maximum control of dust emissions.

(3) All permanent in-plant roads and vehicle work areas shall be watered, treated with dust-suppressant chemicals, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.149. Sand and Gravel Processing.

Any sand and gravel production facility that obtains its material from deposits of sand and gravel consisting of natural disintegration of rock and stone is permitted by rule, provided that the ollowing conditions of this Section are satisfied:

(1) crushing or breaking operations are not used;

(2) no blasting is conducted to obtain the material;

(3) water sprays are installed on the plant at all screens and transfer points and used as necessary to achieve maximum control of dust emissions;

(4) the area where the sand and gravel is obtained shall be sprinkled with water as necessary to achieve maximum control of dust emissions before the material is removed and transported for processing;

(5) all in-plant roads shall be paved and cleaned or sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions;

(6) the plant is located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located;

(7) the production rate is 50 tons per hour or less.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.150. Asphalt Silos.

Any silo used to store hot mix asphalt or asphalt emulsion concrete mixtures which meets the following conditions of this Section is permitted by rule:

(1) no cutback asphalt mixtures are stored;

(2) for silos on location for more than six months, all truck traffic areas are paved and cleaned as necessary to achieve maximum control of dust emissions and for those silos on location for six months or less, the truck traffic areas are sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions;

(3) fuel used for heating the silo is sweet natural gas as defined in Chapter 101 of this title (relating to General Air Quality Rules) or liquid petroleum gas or first run refinery grade diesel or Number 2 fuel oil that is not a blend containing waste oils or solvents and that contains less that 0.5% by weight sulfur;

(4) the silo(s) is located at least 300 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the property upon which the silo(s) is located;

(5) before construction begins, written site approval is received from the executive director and the facility is registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER F : ANIMAL CONFINEMENT
Section Section 106.161 - 106.163
Effective September 4, 2000

Section 106.161. Animal Feeding Operations.

Animal feeding operations which confine animals in numbers specified in paragraph (1) of this Section and any associated on-site feed handling and/or feed milling operations which satisfy the following conditions of this Section are permitted by rule.

(1) Operations designed to feed no more than:

(A) 1,000 cattle;

(B) 1,000 horses and mules;

(C) 2,500 swine weighing more than 55 pounds;

(D) 10,000 sheep and goats; or

(E) 1,000 animal equivalents.

(2) Where a combination of cattle, swine weighing over 55 pounds, horses and mules, or sheep and goats are present, animal equivalents shall be calculated by adding the following numbers.

1.0 x (number of cattle)
+ 0.4 x (number of swine weighing over 55 pounds)
+ 2.0 x (number of horses and mules)
+ 0.1 x (number of sheep and goats)
==========
Total = animal equivalents.

(3) In determining the number of animals or animal equivalents, mothers with nursing young shall be counted as a single animal while the young are nursing. Once removed from the mother, the young animals shall be counted when determining the number of animals or animal equivalents. Swine weighing 55 pounds or less shall be allowed, but not counted in determining the number of animals or animal equivalents. Animals on pasture are not considered as part of the animal feeding operation.

(4) Operations designed to feed no more than 55,000 turkeys or other birds, excluding ducks, concentrated on open lots.

(5) Operations designed to feed no more than 5,000 ducks.

(6) All caged poultry operations designed to feed no more than 30,000 birds.

(7) All housed poultry operations when wood shavings or similar material is used as litter.

(8) All caged poultry operations designed to feed more than 30,000 birds when a dry manure storage and handling system is used and when located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the egg laying or caged pullet operation. Before construction of the caged laying and caged pullet operations begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration using Form PI-7.

(9) For the associated on-site feed handling and/or feed milling operations to be covered under this Section , no products from the feed handling and or feed milling shall be shipped off-site.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.162. Livestock Auction Facilities.

Livestock auction sales facilities are permitted by rule, provided the following conditions of this Section are satisfied.

(1) All holding pens shall be covered by a roof.

(2) All traffic areas shall be paved and cleaned, oiled, or sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions.

(3) Manure shall be cleaned from pens as necessary to prevent an odor nuisance and disposed of in a manner which will not create a nuisance.

(4) Dead animals shall be properly disposed of within 24 hours after death.

(5) The facility shall be located at least 600 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of this facility.

(6) Before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.163. Race Tracks, Zoos, and Animal Shelters.

All animal racing facilities, domestic animal shelters, zoos, and their associated confinement areas, stables, feeding areas, and waste collection and treatment facilities are permitted by rule. Incineration units are not authorized under this Section .
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER G: COMBUSTION
Section Section 106.181 - 106.183
Effective September 4, 2000

Section 106.181. Used-Oil Combustion Units.

Small boilers and heaters burning used oil that has not been mixed with hazardous waste are permitted by rule provided that all of the following conditions are met:

(1) the combustion unit or combination of combustion units at the same account have a maximum capacity of 1.0 million Btu per hour (MMBtu/hr) and each individual combustion unit is not greater than 0.5 MMBtu/hr;

(2) the combustion gases from the combustion unit(s) are vented to the ambient air in accordance with the following requirements:

(A) through an unobstructed vent; or

(B) through a vertical vent with a cap; and

(i) a flat roof, through a minimum of a three-foot stack; or

(ii) a sloped roof, through a stack that is at least three feet higher than the highest point on the roof or three feet higher than a point extending ten feet horizontally from the roof; and

(3) the combustion unit(s) burns only used oil the owner or operator generates on-site or used oil received from household do-it-yourself used oil generators.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.182. Ceramic Kilns.

Kilns used for firing ceramic ware, heated exclusively by natural gas, liquid petroleum gas, electricity, or any combination thereof are permitted by rule where the conditions of this Section are met:

(1) the total heat input is ten million British thermal units per hour or less; and

(2) there are no emissions of lead, beryllium, or fluorides, and emissions of sulfur dioxide and particulate matter from both the material being fired and fuel burned do not exceed 25 tons per year of either air contaminant.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.183. Boilers, Heaters, and Other Combustion Devices.

Boilers, heaters, drying or curing ovens, furnaces, or other combustion units, but not including stationary internal combustion engines or turbines are permitted by rule, provided that the following conditions are met.

(1) The only emissions shall be products of combustion of the fuel.

(2) The maximum heat input shall be 40 million British thermal unit (Btu) per hour with the fuel being:

(A) sweet natural gas;

(B) liquid petroleum gas;

(C) fuel gas containing no more than 0.1 grain of total sulfur compounds, calculated as sulfur, per dry standard cubic foot; or

(D) combinations of the fuels in subparagraphs (A) - (C) of this paragraph.

(3) Distillate fuel oil shall be fired as a backup fuel only. Firing shall be limited to 720 hours per year. The fuel oil shall contain less than 0.3% sulfur by weight and shall not be blended with waste oils or solvents.

(4) All gas fired heaters and boilers with a heat input greater than ten million Btu per hour (higher heating value) shall be designed such that the emissions of nitrogen oxides shall not exceed 0.1 pounds per million Btu heat input.

(5) Records of hours of fuel oil firing and fuel oil purchases shall be maintained on-site on a two-year rolling retention period and made available upon request to the commission or any local air pollution control agency having jurisdiction.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER H : CONCRETE BATCH PLANTS
Section Section 106.201 - 106.203
Effective September 4, 2000

Section 106.201 Permanent and Temporary Concrete Batch Plants

Any permanently or temporarily located concrete plant that accomplishes wet batching, dry batching, or central mixing, and operates in compliance with the following conditions of this Section is exempt. For purposes of this Section , a temporarily located concrete facility is one that occupies a designated site for not more than 180 consecutive days or supplies concrete for a single public works project or for the same contractor for related project segments, but not other unrelated projects.

(1) All stockpiles shall be sprinkled with water and/or dust-suppressant chemicals as necessary to achieve maximum control of dust emissions. The stockpile sprinkler system shall be operable at all times.

(2) A mechanism shall be installed on each bulk storage silo to warn operators when the silo is full.

(3) All permanent in-plant roads (batch truck and material delivery truck roads) shall be paved with a cohesive hard surface that can be repeatedly swept, washed, and maintained intact and cleaned as necessary to achieve maximum control of dust emissions. All batch trucks and material delivery trucks shall remain on a paved surface when entering, conducting primary functions, and leaving the property. Other areas on the property subject to vehicle traffic shall be watered, treated with dust-suppressant chemicals, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(4) The cement weigh hopper shall be vented to its own fabric filter or the central collection system specified in paragraph (6) of this Section .

(5) All bulk storage silos shall be equipped with fabric filter(s) having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with automatic air cleaning or shall be vented to the central collection system specified in paragraph (6) of this Section .

(6) The dust emissions at the batch drop point (drum feed for central mix plants) shall be controlled by a shroud or other pickup device delivering a minimum of 4,000 actual cubic feet per minute of air to a fabric filter with automatic air cleaning and a 7.0 ft/min maximum filtering velocity, or automatic sequenced mechanical cleaning (not manually activated) and a 5.25 ft/min maximum filtering velocity.

(7) Unless the facility is to be located temporarily in or contiguous to the right-of-way of a public works project, public notice and opportunity for public hearing, as specified in Section 106.5 of this title (relating to Public Notice), must be published and documentation provided to the commission. A temporarily located plant exempt from public notice may provide concrete for the same contractor for project segments with the same governmental entity, but may not produce concrete for other unrelated projects or other governmental entities.

(8) Spillage of cement and fly ash used in the batch shall be cleaned up immediately and contained or dampened so that dust emissions from wind erosion and/or vehicle traffic are minimized.

(9) All open-bodied vehicles transporting material from a dry batch plant to the paving mixer(s) shall be loaded with a final layer of wet sand and/or the truck shall be covered with a tarp to reduce the emissions of dust to the minimum level possible under existing conditions.

(10) Before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7, including a current Table 20.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.202 Temporary Concrete Batch Plants

Any temporarily located concrete facility that accomplishes wet batching, dry batching, or central mixing and operates according to the following conditions of this Section is exempt. For purposes of this Section , a temporarily located concrete facility is one that occupies a designated site for not more than 180 consecutive days or supplies concrete for a single public works project or for the same contractor for related project segments, but not other unrelated projects.

(1) All bulk storage silos, including auxiliary bulk storage trailers (pigs), shall be equipped with fabric filter(s) having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with automatic air cleaning or are vented to the central collection system specified in paragraph (6) of this Section .

(2) The cement weigh hopper shall be vented to a control device which eliminates visible emissions or vented inside the charging hopper of the transit mix truck if controlled by a suction shroud.

(3) A visible and/or audible warning mechanism shall be installed on each silo or auxiliary bulk storage trailer to warn operators that the silo or trailer (pig) is full.

(4) All in-plant roads (batch truck and material delivery truck roads) and areas between stockpiles and conveyor hoppers shall be watered, treated with dust-suppressant chemicals, oiled, or paved with a cohesive hard surface that can be repeatedly swept, washed, and maintained intact and cleaned as necessary to achieve maximum control of dust emissions.

(5) All stockpiles shall be sprinkled with water and/or dust-suppressant chemicals as necessary to achieve maximum control of dust emissions. An operable stockpile watering system shall be on-site at all times.

(6) Loading of rotary mix trucks at wet batch plants shall be through a discharge spout equipped with a water fog ring having low-velocity fog nozzles spaced to create a continuous fog curtain that controls dust emissions, or through a suction shroud which is vented to a central collection system with a minimum of 4,000 actual cubic feet per minute (acfm) of air to a fabric filter with air cleaning and a 7.0 ft/min maximum filtering velocity or automatic sequenced mechanical cleaning and a 5.25 ft/min maximum filtering velocity.

(7) Dust emissions from the loading of open-bodied trucks at the batch drop point of dry batch plants, or dust emissions from the drum feed for central mix plants shall be controlled by a suction shroud which is vented to a central collection system with a minimum of 4,000 acfm of air to a fabric filter with air cleaning and a 7.0 ft/min maximum filtering velocity or automatic sequenced mechanical cleaning (not manually activated) and a 5.25 ft/min maximum filtering velocity. Suction shrouds at dry batch plants shall be used for closure over the receiving vehicle compartment or bed.

(8) Spillage of cement and fly ash used in the batch shall be cleaned up immediately and contained or dampened so that dust emissions from wind erosion and/or vehicle traffic are minimized.

(9) The facility (including associated stationary equipment and stockpiles) shall be located at least 300 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the property upon which the facility is located. This distance limitation does not apply to structures within the boundaries of the project for which the facility is to pour concrete when the facility is located on or contiguous to the project.

(10) Unless the facility is to be located temporarily in or contiguous to the right-of-way of a public works project, public notice and opportunity for public hearing, as specified in Section 106.5 of this title (relating to Public Notice), must be published and documentation provided to the commission. The temporarily located plant exempt from public notice may provide concrete for the same contractor for project segments with the same governmental entity, but may not produce concrete for other unrelated projects or other governmental entities.

(11) All open-bodied vehicles transporting material from a dry batch plant to the paving mixer(s) shall be loaded with a final layer of wet sand and/or the truck shall be covered with a tarp to reduce the emissions of dust to the minimum level possible under existing conditions.

(12) Before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7, including a current Table 20. The current Table 20 shall be on file at each plant site.

(13) The appropriate regional office and local air pollution agency shall be notified when the plant changes location and prior to starting operations at each plant site.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.203 Specialty Batch Plants

Any specialty wet batch, concrete, mortar, grout mixing, or pre-cast concrete products plant that operates according to the following conditions of this Section is exempt.

(1) Plant capacity shall not exceed 30 cubic yards per hour with mixer size not to exceed 2.5 cubic yards.

(2) All stockpiles are sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions.

(3) Dust emissions at the batch mixer feed shall be controlled by a water spray device which eliminates visible emissions, or a pickup device delivering air to a fabric filter with automatic air cleaning and a 7.0 feet per minute (ft/min) maximum filtering velocity, or automatic sequenced mechanical cleaning and a 5.25 ft/min maximum filtering velocity, or the entire mixing operation is conducted inside the enclosed process building such that no visible emissions from the building occur during mixing activities, or the batch mixer feed is enclosed such that no visible emissions occur.

(4) Fabric filter(s) with a maximum filtering velocity of 4.0 ft/min with an acceptable method of cleaning shall be installed on each storage silo or the silo shall be vented to the control collection system.

(5) A visible and/or audible warning mechanism shall be installed on each silo for warning operators that the silo is full, so that it will not be overloaded at any time.

(6) All permanent in-plant roads (batch truck and material delivery truck roads) are oiled or paved and cleaned as necessary to achieve maximum control of dust emissions. Other areas on the property subject to vehicle traffic shall be oiled or sprinkled with water as necessary to achieve maximum control of dust emissions.

(7) The transfer of cement from the storage silo(s) shall be handled through closed conveying systems with no visible fugitive emissions.

(8) The cement weigh hopper shall be vented to a control device which eliminates visible emissions, or shall be vented inside the batch mixer.

(9) Good housekeeping measures shall be maintained at all times.

(10) Before construction of the facility begins, written site approval is received from the executive director and the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7, including a current Table 20.

(11) Unless the plant is to be located temporarily in the right-of-way of a public works project, public notice and opportunity for public hearing, as specified in Section 106.5 of this title (relating to Public Notice), has been published and documentation thereof has been provided to the commission.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER I : MANUFACTURING
Section Section 106.221, 106.223 - 106.229, 106.231
Effective September 4, 2000

Section 106.221. Extrusion Presses.

Presses used exclusively for extruding metals, minerals, plastics, rubber, or wood are permitted by rule except where halogenated carbon compounds or hydrocarbon solvents are used as foaming agents. Presses used for extruding scrap materials or reclaiming scrap materials are not permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.223. Saw Mills.

Sawmills processing no more than 25 million board feet, green lumber tally of wood per year, in which no mechanical drying of lumber is performed and which meet all of the following provisions of this Section are permitted by rule.

(1) The mill shall be located at least 500 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.

(2) All in-plant roads and vehicle work areas shall be watered, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(3) All sawmill residues (sawdust, shavings, chips, bark) from debarking, planing, saw areas, etc., shall be removed or contained to minimize fugitive particulate emissions. Spillage of wood residues shall be cleaned up as soon as possible and contained such that dust emissions from wind erosion and/or vehicle traffic are minimized.

(4) All sawmill residues shall be mechanically conveyed by belts and/or drag chains to a collection area for disposal or if a pneumatic collection system is utilized, the air must exhaust to a fabric or cartridge filter with air cleaning and a filtering velocity no greater than 7.0 ft/min (air-to-cloth ratio = 7.0), or automatic sequenced mechanical cleaning and a filtering velocity no greater than 5.0 ft/min (airto-cloth ratio = 5.0), or a system found to be equivalent by the appropriate regional office.

(5) Disposal of collected sawmill residues must be accomplished in a manner which will prevent the material from becoming airborne. Disposal by means of burning is prohibited unless it is conducted in an approved incinerator.

(6) All open-bodied vehicles transporting sawmill residues (sawdust, shavings, chips, bark) shall be covered with a tarp to achieve maximum control of particulate emissions.

(7) There will be no visible emissions at the property line from the facility or equipment.

(8) Before construction of the facility begins, written site approval must be received from the director of the commission's Office of Permitting, Remediation, and Registration in Austin and the facility shall be registered with that office using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.224. Aerospace Equipment and Parts Manufacturing.
Any new aerospace equipment and parts manufacturing plant, or physical and operational change to an existing aerospace equipment and parts manufacturing plant are permitted by rule, provided that the following conditions of this Section are satisfied.

(1) For purposes of this Section , aerospace equipment and parts manufacturing plant means the entire operation on the property which engages in the fabrication or assembly of parts, tools, or completed components of any aircraft, helicopter, dirigible, balloon, missile, drone, rocket, or space vehicle. This permit by rule will not include composite aerospace equipment and parts manufacturing plants. Composite plants are defined to be plants whose products are less than 50% metal, by weight, based on annual production figures. This definition excludes those operations specifically authorized by other permits by rule. For example, a boiler would not be considered a part of the aerospace manufacturing plant, but could be authorized under Section 106.181 of this title (relating to Small Boilers, Heaters, and Other Combustion Devices), if all pertinent requirements were met.

(2) Emission points associated with the aerospace equipment and parts manufacturing plant or changes to that plant shall be located at least 100 feet from any off-plant receptor. Off-plant receptor means any recreational area or residence or other structure not occupied or used solely by the owner or operator of the aerospace equipment and parts manufacturing plant or the owner of the property upon which the aerospace plant is located. Controlled access recreational areas owned by the property owner or the owner or operator of the aerospace plant are not off-plant receptors.

(3) The total annual emissions, in tons per year, of the following air contaminants authorized under this Section , on a cumulative basis, from the entire aerospace manufacturing plant shall not exceed the values specified:

(A) inhalable particulate matter - five tons per year (tpy);

(B) volatile organic compounds (VOC) - 15 tpy;

(C) acid gases or vapors - five tpy;

(D) non-VOC carbon compound emissions - ten tpy;

(E) total of air contaminants in subparagraphs (A) - (D) of this paragraph - 25 tpy.

(4) Hourly emissions of total new or increased emissions, including fugitives, of particulate matter or chemicals listed or referenced in Table 262 of Section 106.262 of this title (relating to Facilities (Emission Distance Limitations)), shall not exceed the hourly emission rate, E, as determined using the equation, E = L/K lb/hr and Table 224A, where:

E = maximum allowable hourly emission, lb/hr,
L = limit value (see Table 262), milligrams per cubic meter,
K = value from Table 224A (interpolate intermediate values), and
D = distance to the nearest off-plant receptor from the closest affected emission point.

TABLE 224A

D,Feet	K
100	326
200	200
300	139
400	104
500	81
600	65
700	54
800	46
900	39
1,000	34
2,000	14
3,000 or more	8

(5) Before construction or change in operation begins, registration shall be submitted to the commission's Office of Permitting, Remediation, and Registration in Austin using a completed Form PI-7. The emission data provided in the PI-7 shall include all process emission sources at the plant, both existing and proposed, and shall be the maximum allowed emissions for permitted units, the actual emissions for existing grandfathered units or units permitted by rule, and the projected maximum allowable emissions for proposed units. Emissions shall be speciated by chemical compound and the stack parameters, as appropriate, for each emission source shall be provided. Registration shall include a description of the project, calculations, and data identifying specific chemical names, "L" values, "D" values, and a description of pollution control equipment, if any.

(6) An emissions inventory shall be compiled and/or updated on an annual basis for all process emission sources on the property, maintained on a two-year rolling retention cycle, and made available upon request by the executive director. The inventory records should include the basis for all emissions estimates, sample calculations, and material usage records. Material and solvent usage records shall be maintained in sufficient detail to document compliance with this Section .

(7) There shall be no visible emissions from each existing and proposed stack, hood, vent, or opening to the atmosphere.

(8) Any facility in which any chemical listed in subparagraph (D) of this paragraph will be handled or stored as a liquid or a compressed gas in a compound mixture of a concentration greater than 10% by weight or an aqueous solution of any chemical listed in subparagraph (D) of this paragraph greater than 50% by weight shall comply with subparagraphs (A) - (C) of this paragraph.

(A) The facility shall be located at least 300 feet from the nearest property line and 600 feet from any off-plant receptor.

(B) The cumulative amount of any one of the chemicals listed in subparagraph (D) of this paragraph, resulting from one or more authorizations under this Section , shall not exceed 500 pounds on the plant property.

(C) Any chemical listed in subparagraph (D) of this paragraph shall be handled only in containers operated in compliance with United States Department of Transportation regulations (49 Code of Federal Regulations, Parts 171-178).

(D) Listed chemicals are: acrolein, ammonia, bromine, carbon disulfide, chlorine, ethy mercaptan, hydrogen chloride, hydrogen bromide, hydrogen cyanide, hydrogen fluoride, hydrogen sulfide, phosphine, sulfur dioxide, methyl bromide, methyl isocyanate, methyl mercaptan, nickel carbonyl, phosgene.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.225. Semiconductor Manufacturing.

Modifications, additions, or relocations of equipment (excluding add-on controls) used for semiconductor manufacturing operations that result in the addition, increase, or substitution of an air contaminant are permitted by rule provided the following conditions of this Section are satisfied.

(1) The following is a list of definitions for this Section .

(A) **Permitted air contaminants** - The individual chemical compounds represented in the latest permit or permit amendment application approved by the executive director.

(B) **Ground Level Contaminant (GLC1)(max) new** - The maximum hourly offproperty GLC resulting from the new emission rate of air contaminant 1.

(C) **GLC1(receptor) new** - The maximum hourly off-property GLC at the sensitive receptor with the highest possible impacts resulting from the new emission rate of air contaminant 1.

(D) **GLC2(max)** - The maximum hourly off-property GLC resulting from the emission rate of air contaminant 2.

(E) **GLC2(receptor)** - The maximum hourly off-property GLC at the sensitive receptor with the highest possible impacts resulting from the emission rate of air contaminant 2.

(F) **ESL1** - The 30-minute Effects Screening Level (ESL) published in the commission's ESL list dated April 10, 1995, for air contaminant 1.

(G) **ESL2** - The 30-minute ESL published in the commission's ESL list dated April 10, 1995, for air contaminant 2.

(2) New emissions or an emission increase of any air contaminant less than 0.04 pounds per hour (sitewide) are exempt from all conditions of this Section except paragraphs (3), (11), and (l2) of this Section .

(3) A permit has been issued by the commission for at least one emission source owned by the person using this Section on the same property for which this Section is being claimed.

(4) The facility's baseline GLCs of the permitted air contaminants have been determined using air dispersion modeling or other methods.

(5) New emission points are not authorized by this Section .

(6) There will be no change in method of control for any air contaminants as represented in the latest permit or permit amendment application approved by the executive director.

(7) Increases of a permitted air contaminant shall meet all of the following criteria:

(A) GLC1(max)new # 2ESL1;

(B) GLC1(receptor)new # ESL1.

(8) Additions of a non-permitted air contaminant, substitutions of a non-permitted air contaminant for a permitted air contaminant, and substitutions of one permitted air contaminant for another permitted air contaminant shall meet all of the following criteria:

(A) GLC2(max)new # 2ESL2;

(B) GLC2(receptor)new # ESL2.

(9) If the commission ESL list dated April 10, 1995, does not include the air contaminant to be added or substituted, the permittee must use an ESL derived by the commission's Toxicology and Risk Assessment Division. The ESL shall be obtained in writing prior to the use of the new substance.

(10) The cumulative net annual emission increases of the following categories of air contaminants from multiple uses of this Section shall not exceed the following values:

(A) particulate matter - five tons per year (tpy);

(B) volatile organic compounds (VOCs) - 15 tpy;

(C) non-VOCs - five tpy;

(D) acids/bases - ten tpy;

(E) any other air contaminant - five tpy;

(F) total of all emission increases - 25 tpy.

(11) The applicable ground-level concentration limits in Chapters 111, 112, and 113 of this title (relating to Control of Air Pollution from Visible Emissions and Particulate Matter; Sulfur Compounds; and Toxic Materials) shall not be exceeded.

(12) Within 30 days of use of this Section , the permittee shall maintain documentation that demonstrates all applicable conditions of this Section were satisfied. The documentation shall be made available to the commission upon request.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.226. Paints, Varnishes, Ink, and Other Coating Manufacturing.

Coating manufacturing operations including raw material storage, weighing, mixing, milling, grinding, thinning, and packaging are permitted by rule, provided the conditions of this Section are met.
Coating manufacturing is defined as combining ingredients that are manufactured off-site to make paints, varnishes, sealants, stains, adhesives, inks, pigments, maskants, and paint strippers, etc.
Resin manufacturing is not permitted by rule under this Section .

(1) Materials usage shall not exceed the following rates:

(A) 345,000 gallons per year of solvent for all operations at a coating manufacturing site; and

(B) 200,000 pounds of dry powder per year for all operations at a coating manufacturing site.

(2) Operations involving powders which contain more than 0.1% by weight of chromium, cadmium, asbestos, lead, arsenic, cobalt, or strontium are not authorized by this Section .

(3) The following conditions must be met to prevent and control emissions.

(A) There shall be no visible emissions from any emission point.

(B) Bags or sacks of dry powders shall be opened within an enclosed bag slitter or within an enclosed area.

(C) Material transfer, storage operations, or other similar operations shall be conducted in enclosed or covered containers which are opened only as necessary for transfer of ingredients.

(D) Mixing, milling, packaging, and filling operations shall be conducted under a hood or within an enclosure designed to capture emissions, which shall then be vented externally or through a carbon adsorption system.

(E) Operations which involve dry powders or pigments shall be vented through a filter.

(F) Any spills of dry powders or solvents shall be cleaned up promptly in a manner designed to control emissions.

(G) Waste materials shall be stored in covered containers and disposed of properly.

(4) Emissions from any operation which are vented externally shall be exhausted using forced air through a stack with an unobstructed vertical discharge. The stack must be, at a minimum, four feet above the peak of the roofline.

(5) The owner or operator of the facility shall keep records of all liquid and solid material usage rates on a monthly basis to demonstrate compliance with paragraph (1) of this Section . The usage data shall be maintained for the most recent 24-month period.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.227. Soldering, Brazing, Welding.

Brazing, soldering, or welding equipment, except those which emit 0.6 ton per year or more of lead, are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.228. Platen Presses for Laminating.

Platen presses used for laminating are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.229. Textile Dyeing and Stripping Equipment.

Equipment used exclusively for the dyeing or stripping of textiles is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.231. Manufacturing, Refinishing, and Restoring Wood Products.

Facilities, including drying or curing ovens, and hand-held or manually operated equipment, used for manufacturing, refinishing, and/or restoring wood products that meet the following requirements are permitted by rule.

(1) If a pneumatic sawdust collection system is used, it must be followed by a filter with no visible emissions.

(2) Waste materials shall be stored and disposed of properly. There shall be no visible emissions leaving the property.

(3) If the total coatings, solvents, and stripping agents used exceeds six gallons per day (gpd) or one gpd of methylene chloride, the following requirements must be met:

(A) the application area must be exhausted using forced air through a stack with an unobstructed vertical discharge above the peak of the roof line; and

(B) in addition to the requirements of subparagraph (A) of this paragraph, if application is made by spraying, the application area must also be vented through a filter system with a minimum particulate removal efficiency of 95%.

(4) Purchase receipts for total coatings, solvents, and stripping agents for the most recent 24 months must be kept on site and be made immediately available upon request of personnel from the agency or any other air pollution control agency having jurisdiction. If the total materials purchased exceeds 550 gallons in any one month, records of the amount of materials used per month must be kept on-site to demonstrate that total emissions do not exceed 25 tons per year in any consecutive 12 months.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER J : FOOD PREPARATION AND PROCESSING
Section Section 106.241 - 106.245
Effective September 4, 2000

Section 106.241. Slaughterhouses.

Any facility where animals or poultry are slaughtered and prepared for human consumption provided that waste products such as blood, offal, and feathers are stored in such a manner as to prevent the creation of a nuisance condition and these waste products are removed from the premises daily or stored under refrigeration until removed are permitted by rule. In addition, areas used to hold animals or poultry for slaughter shall be kept dry and clean to control odors.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.242. Food Preparation.

Equipment used in eating establishments for the purpose of preparing food for human consumption is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.243. Smokehouses.

Smokehouses in which the maximum horizontal inside cross-Section al area does not exceed 100 square feet are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.244. Ovens, Barbecue Pits, and Cookers.

Ovens, mixers, blenders, barbecue pits, and cookers if the products are edible and intended for human consumption are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.245. Ethyl Alcohol Facilities.

Ethyl alcohol (ethanol) production facilities having a capacity of less than 200 gallons of ethanol per day when natural gas, liquid petroleum gas, or Number 2 fuel oil is used to supply heat for cooking and distillation are permitted by rule. Drying of spent (distillers) grain and water stillage is not authorized under this Section .
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER K: GENERAL
Section Section 106.261 - 106.266
Effective November 1, 2001

Section 106.261. Facilities (Emission Limitations).

Facilities, or physical or operational changes to a facility, are permitted by rule provided that all of the following conditions of this Section are satisfied.

(1) This Section shall not be used to authorize construction of or any change to a facility authorized in another Section of this chapter (see Section 106.262(1) of this title (relating to Facilities (Emission and Distance Limitations)).

(2) The facilities or changes shall be located at least 100 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located.

(3) Total new or increased emissions, including fugitives, shall not exceed 6.0 pounds per hour (lb/hr) and ten tons per year of the following materials: acetylene, argon, butane, crude oil, refinery petroleum fractions (except for pyrolysis naphthas and pyrolysis gasoline) containing less than ten volume percent benzene, carbon monoxide, cyclohexane, cyclohexene, cyclopentane, ethyl acetate, ethanol, ethyl ether, ethylene, fluorocarbons Numbers 11, 12, 13, 14, 21, 22, 23, 113, 114, 115, and 116, helium, isohexane, isopropyl alcohol, methyl acetylene, methyl chloroform, methyl cyclohexane, neon, nonane, oxides of nitrogen, propane, propyl alcohol,

propylene, propyl ether, sulfur dioxide, alumina, calcium carbonate, calcium silicate, cellulose fiber, cement dust, emery dust, glycerin mist, gypsum, iron oxide dust, kaolin, limestone, magnesite, marble, pentaerythritol, plaster of paris, silicon, silicon carbide, starch, sucrose, zinc stearate, or zinc oxide.

(4) Total new or increased emissions, including fugitives, shall not exceed 1.0 lb/hr of any chemical having a limit value (L) greater than 200 milligrams per cubic meter (mg/m3) as listed and referenced in Table 262 of Section 106.262 of this title or of any other chemical
not listed or referenced in Table 262. Emissions of a chemical with a limit value of less than 200 mg/m3 are not allowed under this Section .

(5) For physical changes or modifications to existing facilities, there shall be no changes to or additions of any air pollution abatement equipment.

(6) Visible emissions, except uncombined water, to the atmosphere from any point or fugitive source shall not exceed 5.0% opacity in any five-minute period.

(7) For emission increases of five tons per year or greater, notification must be provided using Form PI-7-261 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.

(8) For emission increases of less than five tons per year, notification must be provided using either:

(A) Form PI-7-261 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any; or

(B) Form PI-7-261(a) by March 31 of the following year summarizing all uses of this permit by rule in the previous calendar year. This annual notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.262. Facilities (Emission and Distance Limitations).

Facilities, or physical or operational changes to a facility, are exempt provided that all of the following conditions of this Section are satisfied.

(1) This Section shall not be used to authorize construction or any change to a facility specifically authorized in another Section of this chapter, but not meeting the requirements of that Section . However, once the requirements of a Section of this chapter are met, paragraphs (3) and (4) of this Section may be used to qualify the use of other chemicals at the facility.

(2) Emission points associated with the facilities or changes shall be located at least 100 feet from any off-plant receptor. Off-plant receptor means any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located.

(3) New or increased emissions, including fugitives, of chemicals shall not be emitted in a quantity greater than five tons per year nor in a quantity greater than E as determined using the equation E = L/K and the following table. Figure: 30 TAC **Section 106.262(3)**

D,Feet	**K**	
100	326	
200	200	E = maximum allowable hourly emission, and never to exceed 6 pounds per hour.
300	139	
400	104	
500	81	
600	65	L = value as listed or referenced in Table 262
700	54	
800	46	
900	39	K = value from the table on this page.

		(interpolate intermediate values)
1,000	34	
2,000	14	
3,000 or more	8	D = distance to the nearest off-plant receptor.

TABLE 262
LIMIT VALUES (L) FOR USE WITH EXEMPTIONS FROM PERMITTING Section 106.262

The values are not to be interpreted as acceptable health effects values relative to the issuance of any permits under Chapter 116 of this title (relating to Control of Air Pollution by Permits for New Construction or Modification).

COMPOUND	**LIMIT (L) MILLIGRAMS PER CUBIC METER**
Acetone	590.
Acetaldehyde	9.
Acetone Cyanohydrin	4.
Acetonitrile	34.
Acetylene	2662.
N-Amyl Acetate	2.7
Sec-Amyl Acetate	1.1
Benzene	3.
Beryllium and Compounds	0.0005
Boron Trifluoride, as HF	0.5
Butyl Alcohol, –	76.
Butyl Acrylate	19.
Butyl Chromate	0.01
Butyl Glycidyl Ether	30.
Butyl Mercaptan	0.3
Butyraldehyde	1.4
Butyric Acid	1.8
Butyronitrile	22.
Carbon Tetrachloride	12.
Chloroform	10.
Chlorophenol	0.2
Chloroprene	3.6
Chromic Acid	0.01
Chromium Metal, Chromium II and III Compounds	0.1
Chromium VI Compounds	0.01

COMPOUND	LIMIT (L) MILLIGRAMS PER CUBIC METER
Coal Tar Pitch Volatiles	0.1
Creosote	0.1
Cresol	0.5
Cumene	50.
Dicyclopentadiene	3.1
Diethylaminoethanol	5.5
Diisobutyl Ketone	63.9
Dimethyl Aniline	6.4
Dioxane	3.6
Dipropylamine	8.4
Ethyl Acrylate	0.5
Ethylene Dibromide	0.38
Ethylene Glycol	26.
Ethylene Glycol Dinitrate	0.1
Ethylidene-2-norbornene, 5-	7.
Ethyl Mercaptan	0.08
Ethyl Sulfide	1.6
Glycolonitrile	5.
Halothane	16
Heptane	350.
Hexanediamine,1,6-	0.32
Hydrogen Chloride	1.
Hydrogen Fluoride	0.5
Hydrogen Sulfide	1.1
Isoamyl Acetate	133.
Isoamyl Alcohol	15.
Isobutyronitrile	22.
Kepone	0.001
Kerosene	100.
Malononitrile	8.
Mesityl Oxide	40.
Methyl Acrylate	5.8
Methyl Amyl Ketone	9.4
Methyl-t-butyl ether	45.

COMPOUND	LIMIT (L) MILLIGRAMS PER CUBIC METER
Methyl Butyl Ketone	4.
Methyl Disulfide	2.2
Methylenebis (2-chloroaniline) (MOCA)	0.003
Methylene Chloride	26.
Methyl Isoamyl Ketone	5.6
Methyl Mercaptan	0.2
Methyl Methacrylate	34.
Methyl Propyl Ketone	530.
Methyl Sulfide	0.3
Mineral Spirits	350.
Naphtha	350.
Nickel, Inorganic Compounds	0.015
Nitroglycerine	0.1
Nitropropane	5.
Octane	350.
Parathion	0.05
Pentane	350.
Perchloroethylene	33.5
Petroleum Ether	350
Phenyl Mercaptan	0.4
Propionitrile	14.0
Propyl Acetate	62.6
Propylene Oxide	20.
Propyl Mercaptan	0.23
Silica-amorphous- precipitated, silica gel	4.
Silicon Carbide	4.
Stoddard Solvent	350.
Styrene	21.
Succinonitrile	20.
Tolidine	0.02
Trichloroethylene	135.
Trimethylamine	0.1
Valeric Acid	0.34
Vinyl Acetate	15.

COMPOUND	LIMIT (L) MILLIGRAMS PER CUBIC METER
Vinyl Chloride	2.

NOTE: The time weighted average (TWA) Threshold Limit Value (TLV) published by the American Conference of Governmental Industrial Hygienists (ACGIH), in its TLVs and BEIs guide (1997 Edition) shall be used for compounds not included in the table. The Short Term Exposure Level (STEL) or Ceiling Limit (annotated with a "C") published by the ACGIH shall be used for compounds that do not have a published TWA TLV. This Section cannot be used if the compound is not listed in the table or does not have a published TWA TLV, STEL, or Ceiling Limit in the ACGIH TLVs and BEIs guide.

(4) Notification must be provided using Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, and data identifying specific chemical names, L values, D values, and a description of pollution control equipment, if any.

(5) The facilities in which the following chemicals will be handled shall be located at least 300 feet from the nearest property line and 600 feet from any off-plant receptor and the cumulative amount of any of the following chemicals resulting from one or more authorizations under this Section (but not including permit authorizations) shall not exceed 500 pounds on the plant property and all listed chemicals shall be handled only in unheated containers operated in compliance with the United States Department of Transportation regulations (49 Code of Federal Regulations, Parts 171- 178): acrolein, allyl chloride, ammonia (anhydrous), arsine, boron trifluoride, bromine, carbon disulfide, chlorine, chlorine dioxide, chlorine trifluoride, chloroacetaldehyde, chloropicrin, chloroprene, diazomethane, diborane, diglycidyl ether, dimethylhydrazine, ethyleneimine, ethyl mercaptan, fluorine, formaldehyde (anhydrous), hydrogen bromide, hydrogen chloride, hydrogen cyanide, hydrogen fluoride, hydrogen selenide, hydrogen sulfide, ketene, methylamine, methyl bromide, methyl hydrazine, methyl isocyanate, methyl mercaptan, nickel carbonyl, nitric acid, nitric oxide, nitrogen dioxide, oxygen difluoride, ozone, pentaborane, perchloromethyl mercaptan, perchloryl fluoride, phosgene, phosphine, phosphorus trichloride, selenium hexafluoride, stibine, liquified sulfur dioxide, sulfur pentafluoride, and tellurium hexafluoride. Containers of these chemicals may not be vented or opened directly to the atmosphere at any time.

(6) For physical changes or modifications to existing facilities, there shall be no ch anges or additions of air pollution abatement equipment.

(7) Visible emissions, except uncombined water, to the atmosphere from any point or fugitive source shall not exceed 5.0% opacity in any five-minute period.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.263. Repairs and Maintenance.

Repairs or maintenance not involving structural changes where no new or permanent facilities are installed are exempt.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.264. Replacements of Facilities.

A facility which replaces an existing facility is permitted by rule provided that the following conditions of this Section are satisfied:

(1) the replacement facility functions in the same or similar manner as the facility to be replaced;

(2) the emissions from the replacement facility are not more than nor have different characteristics than those from the facility to be replaced;

(3) the emissions from the replacement facility will not exceed 25 tons per year of any air contaminant;

(4) the physical location of the replacement facility is the same or immediately adjacent to the facility being replaced;

(5) there will be no increase in capacity, production rate, or throughput as a result of the replacement;

(6) notwithstanding the provisions of paragraph (3) of this Section , the emissions from the replacement facility will not contain any compounds (other than carbon monoxide, nitrogen oxide, or sulfur dioxide) listed or proposed to be listed as hazardous constituents in 40 Code of Federal Regulations 261, Appendix VIII;

(7) notification of the replacement is provided to the executive director within ten days following installation of the replacement facility.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.265. Hand-held and Manually Operated Machines.

Hand-held or manually operated equipment used for buffing, polishing, carving, cutting, drilling, machining, routing, sanding, sawing, surface grinding, or turning of ceramic art work, ceramic precision parts, leather, metals, plastics, fiber board, masonry, carbon, glass, graphite, or wood is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.266. Vacuum Cleaning Systems.

Vacuum cleaning systems used exclusively for industrial, commercial, or residential housekeeping purposes are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER L : FEED, FIBER, AND FERTILIZER
Effective September 4, 2000

DIVISION 1 : FEED
Section Section 106.281 - 106.283

Section 106.281. Feed Milling.

Modifications to feed milling operations which satisfy the following conditions of this Section are permitted by rule.

(1) In conjunction with the installation of additional grain or feed storage silos, including bins used for loading out finished feed, all materials shall be transported in a closed conveying system when handled mechanically or pneumatically. Exhaust air to the atmosphere shall be vented through a fabric filter having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with automatic air cleaning.

(2) In conjunction with the installation of a pellet mill/pellet cooler system, the air from the pellet cooler shall be vented through a high efficiency cyclone collector which has a cone length at least twice the diameter of the cyclone.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.282. Feed Grinding Facilities.

Any feed grinding operation which is used only for noncommercial purposes is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.283. Grain Handling, Storage, and Drying.

Any grain handling, storage, and drying facility which meets paragraphs (1) - (3) of this Section is permitted by rule.

(1) The facility is in noncommercial use only - that is, used only to handle, dry, and/or store grain produced by the owner(s) of the facility if the following conditions are satisfied:

(A) the total storage capacity does not exceed 750,000 bushels;

(B) the grain handling capacity does not exceed 4,000 bushels per hour;

(C) the facility is located at least 500 feet from any recreational area or residence or business not occupied or used solely by the owner of the facility.

(2) The facility is in commercial use and the following conditions are satisfied:

(A) the total storage capacity of the new and any existing facility or facilities does not exceed 1.5 million bushels;

(B) the facility shall be located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located;

(C) before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission using Form PI-7.

(3) The installation of additional grain storage capacity which satisfies the following conditions:

(A) there shall be no increase in hourly grain handling capacity;

(B) existing grain receiving and loadout facilities are utilized;

(C) grain shall be conveyed by closed conveying systems and air suction shall not be pulled on any conveying unit;

(D) written site approval shall be received from the executive director before construction begins for facilities utilizing existing grain receiving facilities when new gravity or auger loadout systems are to be installed.
Adopted August 9, 2000 Effective September 4, 2000

DIVISION 2 : FIBER
Section 106.291

Section 106.291. Cotton Gin Stands.

Replacement or addition of cotton gin stands where no other equipment change or additions are involved are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

DIVISION 3 : FERTILIZER
Section 106.301, Section 106.302

Section 106.301. Aqueous Fertilizer Storage.

All aqueous fertilizer storage tanks are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.302. Portable Pipe Reactor.

Portable pipe reactor facilities used to process liquid fertilizer that operate according to the following conditions of this Section are permitted by rule.

(1) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.

(2) All valves, piping, flanges, hoses, and disconnects must be free of leaks.

(3) Opacity from any process vent shall not exceed 20% except for those periods of start-up described in Section 111.111(a)(1)(E) of this title (relating to Requirement for Specified Sources).

(4) Emissions from the facility shall not cause or contribute to a condition of air pollution as defined in Texas Health and Safety Code, Section 382.003(3).

(5) The operating schedule must not exceed 72 hours within a four-month period.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER M : METALLURGY
Section Section 106.311 - 116.322
Effective September 4, 2000

Section 106.311. Crucible or Pot Furnace.

Crucible or pot furnaces with a brim full capacity of less than 450 cubic inches of any molten metal are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.312. Wax Melting and Application.

Equipment used exclusively for the melting or application of wax is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.313. Tumblers for Cleaning or Deburring Metal.

All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 pounds or less are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.314. Shell Core and Mold Machines.

Shell core and shell mold manufacturing machines are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.315. Sand or Investment Molds.

Sand or investment molds with a capacity of 100 pounds or less used for the casting of metals are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.316. Metal Inspection.

Equipment used for inspection of metal products is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.317. Miscellaneous Metal Equipment.

Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.318. Die Casting Machines.

Die casting machines are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.319. Foundry Sand Mold Forming Equipment.

Foundry sand mold forming equipment to which no heat is applied is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.320. Miscellaneous Metallic Treatment.

Electrically heated or sweet natural gas or liquid petroleum gas fueled equipment used exclusively for heat treating, soaking, case hardening, or surface conditioning of metal objects, such as carbonizing, cyaniding, nitriding, carbon nitriding, siliconizing, or diffusion treating is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.321. Metal Melting and Holding Furnaces.

Metal melting and holding furnaces as specified in this Section are permitted by rule.

(1) crucible furnaces, pot furnaces, or induction furnaces with a holding capacity of 1,000 pounds or less, with the following limitations:

(A) no smelting, reduction, sweating, metal separation, or distilling is conducted;

(B) in ferrous melting furnaces where gray iron or steel is melted:

(i) ductile iron is produced only when emissions are captured by a vent hood and filtered or within a crucible with a lid which allows no visible emissions; and

(ii) the furnace charge is free of oil, grease, and paint;

(C) in nonferrous melting furnaces, only the following metals are melted, poured, or held in a molten state:

(i) aluminum or any alloy containing over 50% aluminum;

(ii) magnesium or any alloy containing over 50% magnesium;

(iii) tin or any alloy containing over 50% tin;

(iv) zinc or any alloy containing over 50% zinc;

(v) copper, brass, or bronze; or

(vi) precious metals;

(D) no lead, leaded brass, leaded bronze, or manganese bronze is melted, poured, or held in a molten state;

(2) aluminum melting or holding furnaces with a holding capacity of 2,000 pounds or less that melt only clean aluminum ingots or pigs and in which no refining, smelting, metal separation, sweating, distilling, or fluxing with chlorine bearing gases is performed.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.322. Furnaces to Reclaim Aluminum or Copper.

Dry hearth reverberatory type holding chamber aluminum or copper metal reclamation/sweat furnaces in which no fluxing, degassing, or refining is conducted, which operate according to the following conditions and limitations of this Section are permitted by rule.

(1) Scrap metal charges shall consist primarily of copper or aluminum metal. Operation of the furnace for reclamation or lead, tin, zinc, or magnesium metals is prohibited.

(2) The maximum furnace charging rate shall be 2,000 pounds per hour or less.

(3) The furnace charge door shall remain closed except during charging and furnace cleaning operations.

(4) The furnace shall be equipped with an afterburner which will provide a minimum retention time of 0.1 second at a minimum temperature of 1,300 degrees Fahrenheit for all furnace exhaust gases.

(5) The incineration of any insulated wire or cable containing chlorine compounds in the insulation, such as polyvinyl chloride insulation, is expressly prohibited.

(6) The owner or operator of the furnace shall initiate and maintain a program of furnace operator training in the recognition of chlorine-bearing wire or cable insulation and shall demonstrate, upon request by the executive director, acceptable proficiency in the recognition of chlorine-bearing wire or cable insulation such as polyvinyl chloride insulation.

(7) Fuel for the furnace shall be sweet natural gas as defined in Chapter 101 of this title (relating to General Air Quality Rules) or liquid petroleum gas, diesel, or Number 2 fuel oil.

(8) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER N : MIXERS, BLENDERS, AND PACKAGING
Section Section 106.331 - 106.333
Effective September 4, 2000

Section 106.331. Cosmetics Packaging and Pharmaceutical Packaging and Coating.

Equipment used exclusively to package pharmaceuticals and cosmetics or to coat pharmaceutical tablets is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.332. Chlorine Repackaging.

Facilities that repackage chlorine are permitted by rule, provided all the following conditions of this Section are satisfied:

(1) the repackaging shall be in United States Department of Transportation approved chlorine cylinders not exceeding one ton in capacity;

(2) there shall be no more than two tons of chlorine on the property at any time;

(3) all handling of chlorine shall be in accordance with applicable Chlorine Institute Guidelines;

(4) the facilities shall be located no closer than 300 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located;

(5) the repackaging system shall be operated under vacuum at all times and all venting of lines and cylinders shall be routed to a caustic scrubbing system that prevents release of chlorine to the atmosphere during all operating and maintenance activities. When the scrubbing system is not operating properly, no chlorine shall be repackaged;

(6) chlorine gas shall not be vented directly to the atmosphere under any circumstances.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.333. Water-based Adhesive Mixers.

Equipment used exclusively for the mixing and blending of materials at ambient temperature to make water-based adhesives is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER O: OIL AND GAS
Section Section 106.351 - 106.355
Effective June 13, 2001

Section 106.351. Salt Water Disposal (Petroleum).

Salt water disposal facilities used to handle aqueous liquid wastes from petroleum production operations and water injection facilities are permitted by rule, provided that the following conditions of this Section are met.

(1) Any facility processing salt water which emits a sour gas shall be located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located.

(2) Any open storage of salt water shall be operated in such a manner as to prevent the occurrence of a nuisance condition off-property.

(3) All plant roads and truck loading and unloading areas must be operated and/or maintained as necessary to prevent dust emissions from the property which would cause or contribute to a nuisance condition. Appropriate operating activities may include reduction of speed of vehicles, use of alternate routes, and covering of dust-producing loads being hauled. Appropriate maintenance activities may include watering, treatment with dust suppressant chemicals, oiling, paving, and cleaning dust-producing surfaces.

(4) Before construction of the facility begins under this Section , registration of the permit by rule shall be submitted to the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7, unless one of the following exceptions applies:

(A) all delivery of salt water to the site takes place through enclosed hoses or lines, and all storage and handling of salt water takes place in enclosed conduits, vessels, and storage, so that the salt water is not exposed to the atmosphere; or

(B) delivery of salt water from outside a site to all facilities at a site in any calendar day does not exceed 540,000 gallons.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.352. Oil and Gas Production Facilities.

Any oil or gas production facility, carbon dioxide separation facility, or oil or gas pipeline facility consisting of one or more tanks, separators, dehydration units, free water knockouts, gunbarrels, heater treaters, natural gas liquids recovery units, or gas sweetening and other gas conditioning facilities, including sulfur recovery units at facilities conditioning produced gas containing less than two long tons per day of sulfur compounds as sulfur are permitted by rule, provided that the following conditions of this Section are met. This Section applies only to those facilities named which handle gases and liquids associated with the production, conditioning, processing, and pipeline transfer of fluids found in geologic formations beneath the earth's surface.

(1) Compressors and flares shall meet the requirements of Section 106.512 and Section 106.492 of this title (relating to Stationary Engines and Turbines, and Flares).

(2) Total emissions, including process fugitives, combustion unit stacks, separator, or other process vents, tank vents, and loading emissions from all such facilities constructed at a site under this Section shall not exceed 25 tons per year (tpy) each of sulfur dioxide (SO_2), all other sulfur compounds combined, or all volatile organic compounds (VOC) combined; and 250 tpy each of nitrogen oxide and carbon monoxide. Emissions of VOC and sulfur compounds other than SO_2 must include gas lost by equilibrium flash as well as gas lost by conventional evaporation.

(3) Any facility handling sour gas shall be located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located.

(4) Total emissions of sulfur compounds, excluding sulfur oxides, from all vents shall not exceed 4.0 pounds per hour (lb/hr) and the height of each vent emitting sulfur compounds shall meet the following requirements, except in no case shall the height be less than 20 feet:

Total as Hydrogen Sulfide, lb/hr	**Minimum vent height, feet**
0.27	20
0.60	30
1.94	50
3.00	60
4.00	68

NOTE: Other values may be interpolated.

(5) Before operation begins, facilities handling sour gas shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7 along with supporting documentation that all requirements of this Section will be met. For facilities constructed under Section 106.353 of this title (relating to Temporary Oil and Gas Facilities), the registration is required before operation under this Section can begin. If the facilities cannot meet this Section , a permit under Chapter 116 of this title (relating to Control of Air Pollution by Permits for New Construction or Modification) is required prior to continuing operation of the facilities.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.353. Temporary Oil and Gas Facilities.

Temporary separators, tanks, meters, and fluid-handling equipment used for a period not to exceed 90 operating days are permitted by rule, provided that all the following conditions of this Section are satisfied.

(1) The purpose of the 90-day period is to test the content of a subsurface stratum believed to contain oil or gas and/or to establish the proper design of a permanent fluid-handling facility.

(2) Any sour gas produced during this test period shall be burned in a smokeless flare which meets the requirements of conditions of Section 106.492(1)(C) and (2)(A) and (C) of this title (relating to Flares).

(3) Total emissions of reduced sulfur compounds, excluding sulfur oxides, but including hydrogen sulfide, shall not exceed 4.0 pounds per hour and the emission point height of any vent of reduced sulfur compounds shall meet the requirements of Section 106.352(4) of this title (relating to Oil and Gas Production Facilities).

(4) Operation of a facility authorized by this Section beyond the 90-day period shall not be allowed unless such operation is authorized under exemption from permitting or is permitted under Chapter 116 of this title (relating to Control of Air Pollution by Permits for New Construction or Modification).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.354. Iron Sponge Gas Treating Unit.

Iron sponge gas treating units processing streams containing less than 60 pounds per hour of hydrogen sulfide are permitted by rule provided that the following conditions of this Section are satisfied:

(1) the plant is located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located;

(2) during replacement of the iron oxide impregnated chips, the unit is:

(A) isolated from the main system and the pressure is reduced to 0.5 psia or less through a gas-fired flare; or

(B) sulfur compound emissions to the atmosphere do not exceed one ton per replacement;

(3) the spent iron oxide chips being replaced are properly handled to avoid spontaneous ignition and avoid an odor nuisance.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.355. Metering, Purging, and Maintenance of Pipelines.

Metering, purging, and maintenance operations for gaseous and liquid petroleum pipelines (including ethylene, propylene, butylene, and butadiene pipelines) are exempt provided that operations are conducted according to the following conditions of this Section :

(1) emissions of volatile organic compounds, except fugitive emissions, are burned in a smokeless flare; or

(2) total emissions of any air contaminant will not exceed one ton during any metering, purging, or maintenance operation;

(3) venting of sweet, commercial grade natural gas from pipelines is exempt from paragraphs (1) and (2) of this Section . Care must be taken not to vent the gas in an area where an ignition source may exist or where accidental ignition of the venting gas may increase risk of fire at nearby tanks or other facilities.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER P : PLANT OPERATIONS
Section Section 106.371 - 106.376
Effective September 4, 2000

Section 106.371. Cooling Water Units.

Water cooling towers, water treating systems for process cooling water or boiler feedwater, and water tanks, reservoirs, or other water containers designed to cool, store, or otherwise handle water (including rainwater) that have not been used in direct contact with gaseous or liquid process streams containing carbon compounds, sulfur compounds, halogens or halogen compounds, cyanide compounds, inorganic acids, or acid gases are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.372. Industrial Gases.

Any air separation, or other industrial gas production, storage, or packaging facility is permitted by rule. Industrial gases, for purposes of this Section , include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.373. Refrigeration Systems.

Refrigeration systems, including storage tanks used in refrigeration systems, that use one of the following categories of refrigerant are permitted by rule:

(1) simple asphyxiants limited to argon, carbon dioxide, ethane, helium, hydrogen, methane, neon, nitrogen, propane, propylene, or liquefied natural gas; or

(2) any other chemical, excluding anhydrous ammonia, with a short-term effects screening level (ESL) published in the commission’s ESL list greater than 150Fg/m3;

(3) anhydrous ammonia (ammonia) provided:

(A) the facility is registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7; and

(B) the system is maintained in good working order and such that ammonia leaks are not detectable beyond the operator's property line.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.374. Lime Slaking Facilities.

Any lime slaking facility used to mix quicklime with water is permitted by rule, provided the following conditions of this Section are met:

(1) the mixing vessel shall be horizontal;

(2) the mixing vessel shall use interior mechanical agitation parallel to the bottom and agitate the water over the full length of the vessel;

(3) quicklime shall be injected into the mixing vessel as follows:

(A) where injection is from a pneumatic transfer system, the quicklime shall be injected at a point at least 12 inches under the surface of the agitated water; or

(B) where injection is from a non-pneumatic conveying system unloading at the top of the vessel, emissions from any vent on the vessel shall be controlled by an appropriately sized wet scrubber;

(4) there shall be no visible emissions (other than uncombined water).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.375. Aqueous Solutions for Electrolytic and Electroless Processes.

Equipment using aqueous solutions is permitted by rule, providing the conditions of this Section are met.

(1) This Section authorizes the following operations:

(A) anodizing, chromate conversion coating processes, electroplating, electrodeposition, electroless plating, electrolytic polishing, and electrolytic stripping, as follows.

(i) For plating onto or stripping from any basis substrate, only brass, bronze, cadmium, copper, iron, lead, nickel, tin, zinc, and precious metals may be used.

(ii) Chromic acid shall not be used in any step of a process which involves electrical current, air agitation, or any other factor which causes the chromic acid to bubble or mist.

(B) cleaning, electroless stripping, etching, or other surface preparation and finishing, not including chemical milling or electrolytic metal recovery and reclaiming systems.

(2) Operating conditions.

(A) Hydrochloric acid tank operating conditions shall not exceed:

(i) a temperature of 100 degrees Fahrenheit and a hydrochloric acid concentration of 19.0% by solution weight; or

(ii) a partial pressure of 0.5 millimeters of mercury.

(B) Hydrochloric acid in any state, and any aqueous solution which bubbles or mists due to electrical current, air agitation, or any other factor shall be used in an enclosed building. If the doors and windows of the building are open for any reason other than temporarily for access, emissions shall either be:

(i) captured and exhausted using forced air through a stack with an unobstructed minimum vertical discharge of four feet above the peak of the roofline; or

(ii) controlled with a fume suppressant.

(3) If a facility cannot comply with the hydrochloric acid temperature and concentration limits in paragraph (2)(A)(i) of this Section , then to demonstrate compliance with paragraph (2)(A)(ii) of this Section , the maximum hydrochloric acid temperature and concentration for each tank shall be recorded daily. At least once per month, the recorded data shall be converted to partial pressure. All data shall be maintained for the most recent 24-month period.

Adopted August 9, 2000 Effective September 4, 2000

Section 106.376. Decorative Chrome Plating.

Decorative chromium electroplating operations that have a maximum combined rated capacity for all decorative chrome plating rectifiers of not more than 5,000 amperes and which use a fume suppressant or other equivalent control as sufficient to meet Section 113.190 of this title (relating to Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks (40 CFR 63, Subpart N)) are permitted by rule. This permit by rule may not be used at any site where other chrome plating or chromic acid anodizing operations are conducted.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER Q : PLASTICS AND RUBBER
Section 106.391 - 106.396
Effective September 4, 2000

Section 106.391. Rubber and Plastic Curing Presses.

Presses used for the curing of rubber products and plastic products are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.392. Thermoset Resin Facilities.

Facilities using thermoset resins (excluding resins that do not emit air contaminants) to manufacture or repair products are permitted by rule, provided that the following conditions of this Section are satisfied for paragraph (1) and either paragraph (2) or (3) of this Section .

(1) The following requirements shall apply to all thermoset resin facilities.

(A) Before construction begins, the facility must be registered with the commission using Form PI-7.

(B) Records of resin and acetone usage shall be kept on a monthly and calendar year-to-date basis to show compliance with this Section , and shall be maintained for the most recent 24 months.

(C) All resin spraying and cleaning operations shall be conducted between two hours before sunrise and two hours after sunset. The exhaust fan(s) must be operating during and for at least 30 minutes after any usage of resin and/or cleaning solvents.

(D) All solid trim grinding operations shall be vented through a dry filter system or a water wash system which has a particulate removal efficiency of at least 95%. Particulates trapped in the dry filter system or water wash sludge shall be handled and stored in a way to minimize the escape of fugitive dust emissions.

(E) No more than five tons of acetone shall be used per year (gross usage minus waste disposal).

(2) The following requirements shall apply to facilities that have spraying operations (the facilities may include non-spraying operations).

(A) No more than 75 tons of resin and gelcoat combined shall be used per year (gross usage minus waste disposal).

(B) All resin spraying operations shall be conducted in a booth or an enclosed work area and the emissions shall be exhausted through elevated stack(s). All stacks shall discharge vertically to the atmosphere with no restrictions or obstructions to flow. Each stack shall meet one of the following minimum requirements:

(i) a flow rate of 20,000 actual cubic feet per minute (acfm) and the greater of six feet above the peak of the manufacturing building or 25 feet above ground level; or

(ii) a flow rate of 15,000 acfm and the greater of six feet above the peak of the manufacturing building or 30 feet above ground level.

(C) No more than 1,000 pounds per year of resin shall be used outdoors.

(D) If annual resin usage is less than 1,000 pounds, a facility is exempt from all requirements of this Section except recordkeeping (paragraph (1)(B) of this Section).

(3) The following requirements shall apply only to non-spraying operations.

(A) No more than 150 tons of resin and gelcoat combined shall be used per year (gross usage minus waste disposal).

(B) All resin operations shall be conducted in a booth or an enclosed work area or the manufacturing building and the emissions shall be exhausted through elevated stack(s). All stacks shall discharge vertically to the atmosphere with no restrictions or obstructions to flow. Each stack shall meet one of the following minimum requirements:

(i) a flow rate of 20,000 acfm and the greater of six feet above the peak of the manufacturing building or 25 feet above ground level; or

(ii) a flow rate of 15,000 acfm and the greater of six feet above the peak of the manufacturing building or 30 feet above ground level.

(C) No more than 3,000 pounds per year of resin shall be used outdoors.

(D) If annual resin usage is less than 3,000 pounds, a facility is exempt from all requirements of this Section except recordkeeping (paragraph (1)(B) of this Section).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.393. Conveyance and Storage of Plastic and Rubber Material.

Equipment used exclusively for conveying and storing plastic and/or rubber solid materials is permitted by rule, provided that no visible emissions occur and all the conditions of this Section are met:

(1) equipment used for conveying of powders or resins to storage silos must be equipped with fabric filter(s) having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical shaking or 7.0 ft/min with air cleaning; and

(2) transfer of powders or resins is accomplished in an enclosed system.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.394. Plastic Compression and Injection Molding.

Equipment used for compression molding and injection molding of plastics is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.395. Equipment for Mixing Plastic and Rubber (No Solvent).

Mixers, blenders, roll mills, or calenders for rubber or plastics are permitted by rule, provided the following conditions of this Section are satisfied. Mixers, blenders, roll mills, or calenders handling or adding asbestos shall not be eligible to be permitted by rule under this Section .

(1) Organic solvents, diluents, or thinners shall not be used.

(2) Material in powder form shall not be added unless the mixer, blender, roll mill, or calender is vented to a fabric filter having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning, or 7.0 ft/min with automatic air cleaning.

(3) There shall be no visible emissions.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.396. Equipment for Mixing Plastic and Rubber (With Solvent).

Roll mills or calenders for rubber or plastics in which organic solvents, diluents, or thinners are used are permitted by rule, provided that before construction begins, the facility is registered with Form PI-7 and information regarding process rate and type of material emitted is submitted.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER R : SERVICE INDUSTRIES
Section Section 106.411 - 116.419
Effective September 4, 2000

Section 106.411. Steam or Dry Cleaning Equipment.

Equipment used exclusively for steam or dry cleaning of fabrics, plastics, rubber, wood, or vehicle engines or drive trains is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.412. Fuel Dispensing.

Equipment used exclusively to store and dispense motor fuels into heavy and light-duty motor vehicles and marine vessels or other watercraft, aircraft, and railroad locomotive engines is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.413. Bond Lining to Brake Shoes.

Equipment used exclusively for bonding lining to brake shoes is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.414. Packaging Lubes and Greases.

Equipment used exclusively for the packaging of lubricants or greases is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.415. Laundry Dryers.

Laundry dryers, extractors, or tumblers used for fabrics cleaned with water solutions of bleach or detergents are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.416. Uranium Recovery Facilities.

A uranium in-situ solution recovery facility producing yellowcake is permitted by rule, provided that the facility operates according to the following conditions of this Section .

(1) The facility is located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property Upon which the facility is located.

(2) The facility shall have no emissions other than:

(A) ammonia which shall not exceed an emission rate of 2.0 pounds per hour (lb/hr); and

(B) particulate dust from yellowcake drying not to exceed 0.1 lb/hr.

(3) The facility shall have no visible particulate emissions from any part of the process.

(4) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.417. Ethylene Oxide Sterilizers.

Ethylene oxide (EO) sterilizing chambers/operations located on the same or contiguous property and under common ownership that use 1,000 pounds or less of EO per year are permitted by rule provided that the following conditions of this Section are satisfied.

(1) Any sterilizer usage that is less than 0.04 pounds of EO (20 milliliters liquid EO) per charge and the annual usage is 4.0 pounds or less of EO for the entire facility, is exempted from all requirements.

(2) All sterilizers must meet the following conditions.

(A) EO shall only be handled by medical professionals or appropriately trained personnel in medical and industrial use areas.

(B) Written records shall be maintained for a minimum of two years and shall be made available to representatives of the commission upon request. Records shall include:

(i) documentation of the date and time of each sterilizer operation cycle;

(ii) the total pounds of EO purchased and used per calendar year listed as monthly totals;

(iii) leak test results.

(C) Leak tests of each sterilizer system shall be performed at least every six months. Results of the tests shall be made available to the commission upon request.

(D) EO shall only be used alone or in combination with carbon dioxide, nitrogen, chlorofluorocarbon, hydrochlorofluorocarbon diluent gases, or other mixtures as approved by the executive director.

(E) The sterilizer vent system exhaust stack shall meet the following conditions.

(i) The stack shall be uncapped and exhaust vertically upward.

(ii) The stack height shall be extended to at least 15 feet above the roof line of the building; and the stack tip shall be located at least 25 feet from any opening to the building interior, such as fresh air intake, unsealed windows, or pedestrian traffic areas. Stacks on multi-level roofs must only extend 15 feet above the roof upon which the stack is located.

(iii) Stack exit velocity shall be at least 50 feet per second.

(3) The following conditions apply only to sterilizers that use more than four pounds, but less than 100 pounds of EO per year.

(A) Sterilizer systems which vent entirely to atmosphere shall not exceed 0.5 pounds of EO used per cycle. Sterilizer systems which use nonrecirculating, water sealed vacuum systems shall not exceed two pounds of EO charged per cycle. For facilities with multiple sterilizers, the usage rate is based on total EO usage at any given time.

(B) Any combination of sterilizers located on the same or contiguous property under common ownership shall not exceed a total EO usage of less than 100 pounds per year.

(4) The following conditions apply only to sterilizers that use between 100 and 1,000 pounds of EO per year.

(A) Before construction begins, the facility shall be registered with the commission using Form PI-7.

(B) The sterilizer chamber exhaust shall vent through an emission control device that will continuously achieve a minimum EO removal efficiency of 99%. Thermal incineration shall not be used to control sterilizer exhaust emissions if chlorofluorocarbons are used as a diluent.

(C) There shall be no discharge of water containing dissolved EO through a sanitary sewer system.

(D) Any combination of sterilizers located on the same or contiguous property under common ownership shall be limited to a total EO usage of 1,000 pounds per year.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.418. Printing Presses.

Printing operations (including, but not limited to, screen printers, ink-jet printers, presses using electron beam or ultraviolet light curing, and labeling operations) and supporting equipment (including, but not limited to, corona treaters, curing lamps, preparation, and cleaning equipment) which directly supports the printing operation are permitted by rule, provided that all the following conditions of this Section are satisfied.

(1) The uncontrolled emission of volatile organic compounds (VOC) and solvents (including, but not limited to, those used for printing, cleanup, or makeup) shall not exceed the following rates:

(A) 15 tons per year (tpy) for any single printing operation proposed to be covered by this Section ; and

(B) 25 tpy for all printing operations on the property covered by permits by rule.

(2) Facilities which release ten tpy or more of VOC emissions from all printing operations permitted by rule at the site must register with the commission using Form PI-7.

(3) Copying and duplicating equipment employing the xerographic method are exempt from paragraphs (4) - (6) of this Section .

(4) Printing presses covered by this Section shall not utilize heat set, thermo set, or ovendried inks. Heated air may be used to shorten drying time, provided the temperature does not exceed 194 degrees Fahrenheit (90 degrees Celsius).

(5) Records of ink and solvent usage shall be kept in sufficient detail to show compliance with paragraph (1) of this Section and shall be maintained for a two-year rolling retention period.

(6) Screen printing operations requiring temperatures greater that 194 degrees Fahrenheit (90 degrees Celsius) to set the ink are exempt from paragraph (4) of this Section .

(7) Facilities located in ozone nonattainment areas shall meet the requirements of Chapter 115, Subchapters B and E of this title (relating to General Volatile Organic Compound Sources and Solvent-Using Processes).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.419. Photographic Process Equipment.

Photographic process equipment by which an image is reproduced upon material sensitized to radiant energy is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER S : SURFACE COATING
Section Section 106.431 - 106.436
Effective September 4, 2000

Section 106.431. Milling and Grinding of Coatings and Molding Compounds.

Equipment used exclusively to mill or grind coatings and molding compounds where all materials charged are in a paste form is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.432. Dipping Tanks and Containers.

Containers, reservoirs, or tanks used exclusively for dipping operations for coating objects with oils, waxes, or greases where no organic solvents, diluents, or thinners are used; or dipping operations for applying coatings of natural or synthetic resins which contain no organic solvents are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.433. Surface Coat Facility.

Surface coating or stripping facilities, excluding vehicle repair and refinishing shops, shall meet the following conditions of this Section to be permitted by rule.

(1) This Section does not cover metalizing (spraying molten metal onto a surface to form a coating). However, this Section does cover the use of coatings which contain metallic pigments.

(2) All facilities covered by this Section at a site shall implement good housekeeping procedures to minimize fugitive emissions, including the following.

(A) All spills shall be cleaned up immediately.

(B) The booth or work area exhaust fans shall be operating when cleaning spray guns and other equipment.

(C) All new and used coatings and solvents shall be stored in closed containers. All waste coatings and solvents shall be removed from the site by an authorized disposal service or disposed of at a permitted on-site waste management facility.

(3) Drying or curing ovens shall either be electric or meet the following conditions:

(A) The maximum heat input to any oven must not exceed 40 million British thermal units per hour (Btu/hr).

(B) Heat shall be provided by the combustion of one of the following: sweet natural gas; liquid petroleum gas; fuel gas containing no more than 5.0 grains of total sulfur compounds (calculated as sulfur) per 100 dry standard cubic foot; or Number 2 fuel oil with not more than 0.3% sulfur by weight.

(4) No add-on control equipment shall be used to meet the emissions limits of this Section . The total uncontrolled emissions from the coating materials (as applied) and cleanup solvents shall not exceed the following for all operations:

(A) 25 tons per year (tpy) of volatile organic compounds (VOC) and ten tpy of exempt solvents for all surface coating and stripping operations covered by Section at a site;

(B) 30 pounds per hour (lb/hr) of VOC and 5.0 lb/hr of exempt solvents for all surface coating and stripping operations covered by this Section at a site;

(C) if emissions are less than 0.25 lb/hr of VOC and/or exempt solvents, a facility is exempt from the remaining requirements of this Section , including paragraphs (5) - (9) of this Section .

(5) Opacity of visible emissions shall not exceed 5.0%. Compliance shall be determined by the United States Environmental Protection Agency Method 9 averaged over a six-minute period.

(6) The following conditions apply to surface coating operations performed indoors, in a booth, or in an enclosed work area:

(A) no more than six lb/hr of VOC emissions, averaged over any five-hour period, and 500 pounds per week per booth or enclosed work area;

(B) minimum face velocity at the intake opening of each booth or work area is 100 feet per minute (ft/min). Emissions shall be exhausted through elevated stacks that extend at least 1.5 times the building height above ground level. All stacks shall discharge vertically; rain protection shall not restrict or obstruct vertical flow;

(C) for spraying operations, emissions of particulate matter must be controlled using either a water wash system or a dry filter system with a 95% removal efficiency as documented by the manufacturer. The face velocity at the filter shall not exceed 250 ft/min or that specified by the filter manufacturer, whichever is less. Filters shall be replaced whenever the pressure drop across the filter no longer meets the manufacturer’s recommendation.

(7) For surface coating operations that are performed outdoors or in a non-enclosed work area, or for indoor operations that do not meet the conditions of paragraph (6) of this Section , the following conditions apply.

(A) No more than six lb/hr of VOC emissions, averaged over any five-hour period, and 500 pounds per week shall be emitted at any time for all operations authorized by this paragraph.

(B) If coatings applied with spray equipment contain more than 0.1% by weight of chromates, lead, cadmium, selenium, strontium, or cobalt, then total VOC emissions shall be further limited to 240 pounds per week and 2,000 pounds per year. If coatings are applied with non-spray equipment (such as brushes, rollers, dipping or flow coating), the additional restrictions in this paragraph do not apply.

(C) Coating operations shall be conducted at least 50 feet from the property line and at least 250 feet from any recreational area, residence, or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located.

(D) Before construction of the facility begins, written site approval shall be received from the appropriate regional office of the commission or any local program having jurisdiction.

(8) The following records shall be maintained at the plant site for the most recent 24 months and be made immediately available to the commission or any pollution control agency with jurisdiction:

(A) material safety data sheets for all coating materials and solvents;

(B) data of daily coatings and solvent use and the actual hours of operation of each coating or stripping operation;

(C) a monthly report that represents actual hours of operation each day, and emissions from each operation in the following categories:

(i) pounds per hour;

(ii) pounds per day;

(iii) pounds per week; and

(iv) tons emitted from the site during the previous 12 months;

(D) examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions.

(9) Before construction begins, the facility shall be registered with the commission using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.434. Powder Coating Facility.

Surface coating operations utilizing powder coating materials with the powder applied by an electrostatic powder spray gun or an electrostatic fluidized bed are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.435. Classic or Antique Automobile Restoration Facility.

“Classic” or “Antique” vehicle restoration facilities (the terms “classic” and “antique” vehicle as determined by the Texas Department of Public Safety Vehicle Inspection and Registration Section under Texas Transportation Code, Chapter 502, Section 502.274 (concerning Classic Motor Vehicles) or Section 502.275 (concerning Certain Antique Vehicles; Offense)) qualify for this permit by rule if all of the following conditions of this Section are met.

(1) All automobile body/chassis abrasive blast cleaning and coating operations shall be performed in a closed building or enclosure that is located at least 50 feet away from any property lines; or the facility shall be located a minimum of 300 feet from any recreational area or residence not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located, except that structures occupied by security or watch personnel may be located contiguously.

(2) Total abrasive usage shall be less than 100 pounds per hour, 500 pounds per day, and five tons per year.

(3) Combined clean-up material and paint usage, including solvents used for cleaning or thinning purposes, shall be less than five gallons per day and 100 gallons per year.

(4) All waste coatings, solvents, and spent automotive fluids shall be stored in covered containers and disposed of properly.

(5) The owner or operator of the restoration facilities shall maintain daily and annual records in sufficient detail to verify the usage limits in paragraphs (2) and (3) of this Section . These records shall be maintained for a minimum of two years and made available at the request of personnel from the commission or any local pollution control program having jurisdiction.

(6) Facilities conducting vehicle repair and refinishing operations under Section 106.436 of this title (relating to Auto Body Refinishing Facility) may also conduct classic or antique vehicle restoration.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.436. Auto Body Refinishing Facility.

Body repair and refinishing of motorcycle, passenger car, van, light truck and heavy truck and other vehicle body parts, bodies, and cabs is permitted by rule, provided that all the following conditions of this Section are met.

(1) Before construction begins, the facility shall be registered with the commission’s Office of Permitting, Remediation, and Registration in Austin using Form PI-7-124.

(2) Facilities which satisfy one of the following conditions.

(A) Spray operations that use less than 1/2 pint of coatings and solvents per hour are exempt from all of the requirements of this Section except for paragraphs (3), (4), (16), and (17) of this Section .

(B) Spray operations that use less than two gallons of coatings and solvents per week are exempt from all of the requirements of this Section except for paragraphs (3), (4), (8), (11), (12), (14), (16), and (17) of this Section unless additional controls are specified in Section 115.421 of this title (relating to Emission Specifications). Additionally, all overspray emissions must be vented through a filter system that meets the requirements of paragraph (7) of this Section .

(3) Good housekeeping is practiced: spills are cleaned up as soon as possible, equipment is maintained according to manufacturers' instructions, and property is kept clean. In addition, all waste coatings, solvents, and spent automotive fluids including, but not limited to, engine oil, gear oil, transmission fluid, brake fluid, anti-freeze, fresh or waste fuels, and spray booth filters or water wash sludge are disposed of properly. Prior to disposal, all liquid waste shall be stored in covered containers.

(4) There are no visible emissions leaving the property.

(5) All spray coating operations which coat more than nine square feet (one panel) shall be performed in a totally enclosed filtered spray booth or totally enclosed filtered spray area with an air intake area of less than 100 square feet. All spray areas shall be equipped with a fan that achieves one of the following requirements:

(A) a flow capacity of at least 10,000 cubic feet per minute;

(B) a face velocity of at least 100 feet per minute.

(6) All spray coating operations which coat less than nine square feet (one panel) and are not in a totally enclosed booth shall be performed on or in a dedicated preparation area which meets the following requirements.

(A) The preparation area ventilation system shall be operating during spraying, and the exhaust air shall either be vented through a stack to the atmosphere or the air shall be recirculated back into the shop through a carbon adsorption system.

(B) If the preparation area is equipped with a carbon adsorption system, the carbon shall be replaced at the manufacturer's recommended intervals to minimize solvent emissions.

(C) The preparation area ventilation system shall be equipped with a filter or filter system to control paint overspray.

(7) All paint booth, spray area, and preparation area overspray (exhaust) filters or filter systems shall have a particulate control efficiency of at least 90%.

(8) High transfer efficiency coating application equipment shall be used, such as high volume low pressure spray guns. Electrostatic spray guns or other methods, if demonstrated to provide equivalent or better transfer efficiency are acceptable.

(9) Cleanup emissions shall be minimized by implementing the following procedures:

(A) spray and other equipment cleanup is totally enclosed during washing, rinsing, and draining. Non-enclosed cleaners may be used if the vapor pressure of the cleaning solvent is less than 100 millimeters of mercury at 68 degrees Fahrenheit and the solvent is directed toward a drain that leads directly to a remote reservoir;

(B) all wash solvents are kept in an enclosed reservoir that is covered at all times, except when being refilled with fresh solvents;

(C) all waste solvents and other cleaning materials are kept in closed containers.

(10) All spray booth spray area, preparation area, and shop heaters that are not electrically heated must use pipeline quality natural gas or liquified petroleum gas only and the heaters are five million British thermal units per hour or smaller. No firing of waste coatings, solvents, oils, or other automotive fluids shall be permitted on-site.

(11) All spray booth, spray area, and preparation area stack heights shall meet the following requirements.

(A) If the stack is located within 200 feet of a building that is taller than the body shop building, the stack height shall be at least 1.2 times the height of the tallest building or higher as measured from ground level.

(B) If the stack is located greater than 200 feet from a building taller than the body shop building, the stack height shall be at least 1.2 times the height of the body shop building as measured from ground level.

(C) If any ground level elevation within 250 feet of the spray booth stack is greater than the stack height required in subparagraphs (A) and (B) of this paragraph, this Section cannot be used.

(12) Spray booth, spray area, and preparation area stacks shall be located at least 50 feet away from any residence, recreation area, church, school, child care facility, or medical or dental facility.

(13) Rain caps, goose neck exhaust, or other stack heads that would restrict or obstruct vertical discharge of air contaminants shall not be allowed.

(14) The volatile organic compound (VOC) content limits specified in Section 115.421 of this title, concerning automobile and light-duty truck coatings, shall apply to the facility regardless of its location.

(15) Definitions of the coating types specified in subparagraphs (A) - (H) of this paragraph are based on Section 115.10 of this title (relating to Definitions), and the VOC content limits shall be those listed in Section 115.421 of this title. Shop use of the coating categories listed in subparagraphs (A) - (H) of this paragraph in gallons per month shall not be exceeded:

(A) cleanup solvents - 50 gallons per month;

(B) wipe solvents - 50;

(C) precoat - 50;

(D) pretreatment - 50;

(E) sealers - 50;

(F) primers/primer surfacer - 175;

(G) top coats - 320;

(H) specialty coatings - 50.

(16) The following records and reports shall be maintained at the shop site for a consecutive 24-month period and be made immediately available upon request of personnel from the commission or any other air pollution control agency with jurisdiction:

(A) material safety data sheet (MSDS) or other coating data sheets on paint and solvent systems used during the previous 24-month period or currently in use at the shop. The MSDS or coating data sheets should clearly indicate the VOC content of the product and the VOC content of multiple component coatings when mixed according to manufacturers instructions;

(B) records of monthly coating and solvent purchases (invoices from suppliers are acceptable);

(C) records of monthly paint and solvent use if purchase volumes are above the levels specified for any category in paragraph (15) of this Section ;

(D) additional records are kept in sufficient detail, if necessary, to allow an annual emission inventory to be submitted according to the requirements in Section 101.10 of this title (relating to Emissions Inventory Requirements);

(E) records of the United States Environmental Protection Agency and the commission's Office of Permitting, Remediation, and Registration registration or identification numbers for each waste generator.

(17) Compliance with the requirements of this Section does not eliminate the requirement to comply with all rules of the commission, including Section 101.4 of this title (relating to Nuisance). The commission may require a facility to cease operation until the matter is resolved.

(18) After December 31, 1994, the conditions of this permit by rule are effective as to facilities in existence prior to the adoption of this Section .
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER T: SURFACE PREPARATION
Section Section 106.451 - 106.454
Effective September 4, 2000

Section 106.451. Wet Blast Cleaning.

Blast cleaning equipment using a suspension of abrasives in water is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.452. Dry Abrasive Cleaning.

Any abrasive cleaning operation that will satisfy paragraph (1) or (2) of this Section is permitted by rule:

(1) enclosed abrasive cleaning:

(A) the particulate matter emissions are evacuated through a fabric filter with a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with air cleaning; and

(B) there are no visible fugitive emissions from the facility.

(2) outside blast cleaning:

(A) abrasive usage rate shall not exceed 150 tons per year, 15 tons per month, and one ton per day; and

(B) the blast cleaning is performed at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located; and

(C) records shall be maintained of operating hours and abrasive material usage; and

(D) before construction begins, the facility is registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7; and

(E) before construction of the facility begins, written site approval shall be received from the executive director.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.453. Washing and Drying of Glass and Metal.

Equipment used for washing or drying products fabricated from metal or glass is permitted by rule, provided no volatile organic materials are used in the process and no oil or solid fuel is burned.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.454. Degreasing Units.

Any degreasing unit that satisfies the following conditions of this Section is permitted by rule.

(1) The following general requirements are applicable to all degreasers unless specifically noted by the conditions of this Section .

(A) Units subject to paragraphs (3) - (5) of this Section shall meet the following:

(i) register with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7 and a Degreasing Unit Checklist;

(ii) on a monthly basis, records shall be kept of total solvent makeup (gross usage minus waste disposal).

(B) Waste solvent from all degreasing operations shall be stored in covered containers, and be removed by a licensed disposal service or until emptying into an authorized on-site waste management facility.

(C) Porous or absorbent materials, such as cloth, leather, wood, or rope shall not be degreased.

(D) Leaks shall be repaired immediately, or the degreaser shall be shut down until repairs are completed.

(E) A permanent and conspicuous label summarizing proper operating procedures to minimize emissions shall be posted on or near the degreaser.

(F) Each unit, regardless of the county in which it is located, shall meet the requirements of Section 115.412 and Section 115.415 of this title (relating to Control Requirements and Testing Requirements).

(2) The following conditions apply only to remote reservoir cleaners.

(A) The cleaner shall be designed to prevent exposure of the solvent reservoir to the atmosphere except for the drain openings. The drain openings shall not exceed 3.0% of the total cleaner open area and shall under no conditions exceed 16 square inches.

(B) All solvent sprays shall be a solid fluid stream (not a fine, atomized, or shower type spray) and at a minimal operating pressure that is necessary to prevent excessive splashing, but not to exceed ten pounds per square inch, gauge (psig).

(C) The true vapor pressure of the solvent shall not exceed 0.6 pounds per square inch, absolute (psia) as measured or calculated at an operating temperature of 100 degrees Fahrenheit.

(D) The solvent shall not be heated.

(3) The following conditions apply only to cold solvent cleaners, not including remote reservoirs.

(A) The cleaner shall have a freeboard that has a minimum four-inch water cover or provides a freeboard ratio (the distance from top of the solvent level to the top edge of the degreasing tank divided by the degreaser width) equal to or greater than 0.7. For water covers, the solvent must be insoluble in and heavier than water.

(B) The unit shall be equipped with a cover which is closed whenever parts are not being handled in the cleaner. Also, the cover must be designed for easy one-handed operation if any of the following conditions are present:

(i) the true vapor pressure of the solvent is greater than 0.3 psia as measured or calculated at 100 degrees Fahrenheit;

(ii) the solvent is agitated;

(iii) the solvent is heated.

(C) If a solvent spray is used, it shall be a solid fluid stream (not a fine, atomized, or shower-type spray) with a minimal operating pressure that is necessary to prevent splashing above the acceptable freeboard. The operating pressure shall not exceed ten psig.

(D) An internal-cleaned parts drainage rack or facility, for enclosed draining under a cover, shall be provided. An external-cleaned parts drainage rack or facility, for enclosed draining under a cover, may be used if the vapor pressure of the solvent is less than 0.6 psia at 100 degrees Fahrenheit. In all cases, parts shall be drained for at least 15 seconds or until dripping ceases.

(E) The Form PI-7 registration is not required if total solvent makeup (gross usage minus waste disposal) is 110 gallons per year (gallon/yr) or less.

(F) Total solvent makeup shall not exceed the following:

(i) chlorinated solvents - 660 gallons/yr;

(ii) all other solvents - 1,500 gallons/yr.

(4) The following conditions apply only to open top solvent vapor degreasers.

(A) The surface area of the solvent shall not exceed 15 square feet.

(B) The unit shall be equipped with a cover that can be opened and closed easily without disturbing the vapor zone. If the degreaser opening exceeds ten square feet, a powered cover shall be required.

(C) The cover shall be closed at all times except when parts are moved into and out of the degreaser.

(D) The unit shall be equipped with a properly sized refrigerated chiller, or the unit shall have a freeboard ratio (the distance from top of the vapor level to the top edge of the degreasing tank divided by the degreaser width) equal to or greater than 0.75.

(E) Exhaust ventilation for the unit shall operate between 50 and 65 cubic feet per minute (cfm) per square foot of degreaser open area unless this conflicts with Occupational Safety and Health Administration (OSHA) requirements. Ventilation fans or other sources of air agitation shall not be operated near the degreaser opening.

(F) The exhaust stacks shall discharge vertically with no restrictions or obstructions to flow. The stack height shall extend at least 1.3 times the building height as measured from ground level.

(G) Total solvent makeup (gross usage minus waste disposal) shall not exceed the following:

(i) chlorinated solvents - 660 gallons/yr;

(ii) all other solvents - 1500 gallons/yr.

(5) The following conditions apply only to conveyorized degreasers.

(A) The inlet and outlet openings shall be closed at all times except when processing work through the degreaser.

(B) The unit shall be equipped with a properly sized refrigerated chiller which has a volatile organic compound removal efficiency of at least 85%, or the unit shall have a freeboard ratio (the distance from top of the vapor level to the top edge of the degreasing tank divided by the degreaser width) equal to or greater than 0.75.

(C) A drying tunnel or other means of control shall be used to limit liquid or vapor carry-out.

(D) Entrances and exits to the degreaser shall be designed to silhouette work loads.

(E) Exhaust ventilation for the unit shall operate between 50 and 65 cfm per square foot of degreaser opening unless this conflicts with OSHA requirements. Ventilation fans or other sources of air agitation shall not be operated near the degreaser openings.

(F) The exhaust stacks shall discharge vertically with no restrictions or obstructions to flow. The stack height shall extend at least 1.5 times the building height as measured from ground level.

(G) Total solvent makeup (gross usage minus waste disposal) shall not exceed the following:

(i) chlorinated solvents - 660 gallons/yr;

(ii) all other solvents - 1,500 gallons/yr.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER U : TANKS, STORAGE, AND LOADING
Section Section 106.471 - 106.478
Effective September 4, 2000

Section 106.471. Storage or Holding of Dry Natural Gas.

Equipment used exclusively to store or hold dry natural gas is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.472. Organic and Inorganic Liquid Loading and Unloading.

Liquid loading or unloading equipment for railcars, tank trucks, or drums; storage containers, reservoirs, tanks; and change of service of material loaded, unloaded, or stored is permitted by rule, provided that no visible emissions result and the chemicals loaded, unloaded, or stored are limited to:

(1) the following list: asphalt, resins, soaps, lube oils, fuel oils, waxes, polymers, detergents, lube oil additives, kerosene, wax emulsions, vegetable oils, greases, animal fats, and diesel fuels;

(2) water or wastewater;

(3) aqueous salt solutions;

(4) aqueous caustic solutions, except ammonia solutions;

(5) inorganic acids except oleum, hydrofluoric, and hydrochloric acids;

(6) aqueous ammonia solutions if vented through a water scrubber;

(7) hydrochloric acid if vented through a water scrubber;

(8) acetic acid if vented through a water scrubber;

(9) organic liquids having an initial boiling point of 300 degrees Fahrenheit or greater. Facilities loading, unloading, or storing butyric acid, isobutyric acid, methacrylic acid, mercaptans, croton oil, 2-methyl styrene, or any other compound with an initial boiling point of 300 degrees Fahrenheit or greater listed in 40 Code of Federal Regulations 261, Appendix VIII shall be located at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.473. Organic Liquid Loading and Unloading.

Organic liquids loading or unloading equipment for railcars, tank trucks, or drums; and storage containers, tanks, or change of service of the material loaded, unloaded, or stored is permitted by rule, provided that all of the following conditions of this Section are met.

(1) Uncontrolled emissions calculated using the version of AP-42 in effect at the time are less than 25 tons per year of organic compounds or of any other air contaminant.

(2) The loading rate of the facilities does not exceed 20,000 gallons per day averaged over any consecutive 30-day period.

(3) The capacity of any tank does not exceed 25,000 gallons, except that tanks having a capacity of less than 40,000 gallons may be used to store sweet crude oil, sweet natural gas condensate, gasoline, and petroleum fuels.

(4) The facilities are used exclusively for the loading, unloading, or storage of:

(A) organic liquids normally used as solvents, diluents, thinners, inks, colorants, paints, lacquers, enamels, varnishes, liquid resins, or other surface coatings;

(B) petroleum, petroleum fuels, other motor vehicle fuels, and natural gas liquids, none of which have a true vapor pressure of 11.0 pounds per square inch, absolute, or greater at maximum temperature of use;

(5) The facilities will meet any applicable requirements of Chapter 115 of this title (relating to Control of Air Pollution from Volatile Organic Compounds);

(6) Facilities used for the loading, unloading, or storage of any compound listed in 40 Code of Federal Regulations 261, Appendix VIII are not permitted by rule under this Section .
Adopted August 9, 2000 Effective September 4, 2000

Section 106.474. Hydrochloric Acid Storage.

Hydrochloric acid storage tanks used exclusively for the storage of hydrochloric acid with an acid strength of 38% by weight or less are permitted by rule. If an acid more concentrated than 20% by weight is stored, the tank vent must be controlled to reduce emissions by at least 99%.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.475. Pressurized Tanks or Tanks Vented to a Firebox.

Any vessel storing carbon compounds composed only of carbon, hydrogen, or oxygen is permitted by rule, provided that the vessel vent is directed to an incinerator, boiler, or other firebox having a stationary flue or a waste gas flare system that will operate with no visible emissions except as provided by Chapter 101 of this title (relating to General Air Quality Rules) for periods of maintenance or operational upset. However, vessels not exceeding 100 barrels capacity and storing only liquid petroleum gas may have the safety relief valve vent directly to the atmosphere. Also, any tank having a capacity not to exceed 1,000 gallons and storing only commercial odorants used to odorize petroleum gases may have the safety relief valve vent directly to the atmosphere.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.476. Pressurized Tanks or Tanks Vented to Control.

Any tank or other container storing carbon compounds is permitted by rule, provided that the tank or container pressure is sufficient at all times to prevent vapor or gas loss to the atmosphere or the tank or container is equipped with a relief valve which directs all vapors or gases to an incinerator, boiler, or other firebox having a stationary flue or a waste gas smokeless flare system. The vapors or gases and any necessary fuel gas shall be mixed thoroughly upstream of the heater burner(s) or the flare tip such that the mixed gases have a minimum net or lower heating value of 200 British thermal units per cubic foot. The flare also shall meet the other requirements of Section 106.492 of this title (relating to Flares).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.477. Anhydrous Ammonia Storage.

Anhydrous ammonia storage tanks and distribution facilities that meet the following conditions are permitted by rule.

(1) All valves, connectors, and hoses, associated with permanent storage tanks and any nurse tanks stored on-site, shall be properly maintained in leak-proof condition at all times.

(2) The capacity of each permanent storage tank is 30,000 gallons or less.

(3) When transferring ammonia, all vapors shall be vented back to the host tank and never to the atmosphere.

(4) When relieving pressure from hoses associated with permanent storage tanks and any nurse tanks, all vapors shall be bled into an adequate volume of water and never to the atmosphere.

(5) Each permanent storage tank and any nurse tanks stored on-site are equipped to prevent unauthorized operation.

(6) Before construction begins, written site approval must be received from the regional director and the owner or operator shall file with the commission's Office of Permitting, Remediation, and Registration in Austin a completed Form PI-7 and supporting documentation demonstrating that all of the requirements of this Section will be met.

(7) Each permanent storage tank is located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the property upon which the facility is located.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.478. Storage Tank and Change of Service.

Any fixed or floating roof storage tank, or change of service in any tank, used to store chemicals or mixtures of chemicals shown in Table 478 in paragraph (8) of this Section is permitted by rule, provided that all of the following conditions of this Section are met:

(1) The tank shall be located at least 500 feet away from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.

(2) The true vapor pressure of the compound to be stored shall be less than 11.0 psia at the maximum storage temperature.

(3) For those compounds that have a true vapor pressure greater than 0.5 psia and less than 11.0 psia at the maximum storage temperature, any storage vessel larger than 40,000 gallons capacity shall be equipped with an internal floating cover or equivalent control.

(A) An open top tank containing an external floating roof using double seal technology shall be an approved control alternative equivalent to an internal floating cover tank, provided the primary seal consists of either a mechanical shoe seal or a liquid-mounted seal. Double seals having a vapor-mounted primary seal are an approved alternative for existing open top floating roof tanks undergoing a change of service.

(B) The floating cover or floating roof design shall incorporate sufficient flotation to conform to the requirements of American Petroleum Institute Code 650, Appendix C or an equivalent degree of flotation.

(4) Compounds with a true vapor pressure of 0.5 psia or less at the maximum storage temperature may be stored in a fixed roof or cone roof tank which includes a submerged fill pipe or utilizes bottom loading.

(5) For fixed or cone roof tanks having no internal floating cover, all uninsulated tank exterior surfaces exposed to the sun shall be painted chalk white except where a dark color is necessary to help the tank absorb or retain heat in order to maintain the material in the tank in a liquid state.

(6) Emissions shall be calculated by methods specified in Section 4.3 of the current edition of the United States Environmental Protection Agency Publication AP-42. This document may be obtained from the Superintendent of Documents, Washington D.C. 20402. It is Stock Number 0550000251-7, Volume I.

(7) Before construction begins, storage tanks of 25,000 gallons or greater capacity and located in a designated nonattainment area for ozone shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7. The registration shall include a list of all tanks, calculated emissions for each carbon compound in tons per year for each tank, and a Table 7 of Form PI-2 for each different tank design.

(8) Mixtures of the chemicals listed in Table 478 which contain more than a total of 1.0% by volume of all other chemicals not listed in Table 478 are not covered by this Section .

Table 478
Approved Chemical List for Exemption from Permitting

A. Compounds of the following classes containing only atoms of carbon and hydrogen, not including aromatic compounds:
Paraffins. Examples: hexane, pentane, octane, isooctane.
Cycloparaffins (except cyclopentane). Examples: cyclohexane, methyl cyclopentane.
Olefins (except butadiene). Examples: octene, isoprene.
Cycloolefins. Examples: cyclopentadiene, cyclohexene.

B. Aromatic hydrocarbons only as follows: Ethyl benzene, styrene, xylenes.

C. Compounds of the following classes containing only atoms of carbon, hydrogen, and oxygen:
Alcohols (except allyl alcohol, isobutyl alcohol, and propargyl alcohol). Examples of approved alcohols: butyl alcohol, ethylene glycol.

Ethers (except vinyl ethers, glycol ethers, epoxides, and other ringed oxide compounds such as ketenes, furans, and pyrans). Examples of approved ethers: butyl ether, isopropyl ether.

Esters (except acrylates, methacrylates, allyl acetate, vinyl acetate, isopropyl formate). Examples of approved esters: ethyl acetate, butyl formate, methyl propionate.

Ketones (except allyl acetone, methyl ethyl ketone, methyl normal butyl ketone, acetophenone, and vinyl ketones). Examples of approved ketones: acetone, hexanone.

D. Additional chemicals:

Crude oil and refinery petroleum fractions (except pyrolysis naphthas and pyrolysis gasolines) containing less than 10% benzene. Examples of approved petroleum fractions: intermediate and finished gasolines, naphthas, alkylates, fluid catalytic cracking unit feed, fuel oils, distillates, other liquid fuels, and condensates. Natural gas and crude oil condensates that do not emit sour gas.

E. Non-approved chemicals:

Other chemicals not specifically included within the classes defined above are not approved. Examples of non-approved chemicals: aromatics (other than those listed or those found in the crude oil and refinery liquids as listed); aldehydes; amines; amides; imines; nitriles; halogenated compounds; sulfonated chemicals; cyanates; organic acids; ethylene oxide (EtO), propylene oxide, and other oxygenated compounds not listed; organometallic compounds; pesticides.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER V: THERMAL CONTROL DEVICES
Section Section 106.491 - 106.496
Effective September 4, 2000

Section 106.491. Dual Chamber Incinerators.

Dual-chambered incinerators which burn only waste generated on-site and which meet the conditions of this Section are permitted by rule. Incinerators used in the processing or recovery of materials or to dispose of pathological waste

as defined in Section 106.494 of this title (relating to Pathological Waste Incinerators), hospital waste, and/or infectious waste are not authorized by this Section .

(1) The incinerator shall meet the following design requirements.

(A) The incinerator shall be equipped with an afterburner automatically controlled to operate with a minimum temperature of 1,400 degrees Fahrenheit and a minimum gas retention time of 0.5 seconds.

(B) The manufacturer's rated capacity (burn rate) shall be 500 pounds per hour or less.

(C) Stacks shall have unobstructed vertical discharge when the incinerator is operated. Properly installed and aintained spark arrestors are not considered obstructions.

(D) Stack height shall be six feet above the peak of the highest building within 150 feet.

(2) The incinerator shall meet the following operational conditions.

(A) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.

(B) Fuel for the incinerator shall be limited to sweet natural gas, liquid petroleum gas, Number 2 fuel oil with less than 0.5% sulfur by weight, or electric power.

(C) This facility shall be used solely for the disposal of the following waste materials generated on-site: paper, wood, cardboard cartons, rags, garbage (animal and vegetable wastes as defined in Chapter 101 of this title (relating to General Rules)), and combustible floor sweepings; containing overall not more than 10% treated papers, plastic, or rubber scraps. Neither garbage content nor moisture content shall exceed 50% and noncombustible solids shall not exceed 10%.

(D) The manufacturer's recommended operating instructions shall be posted at the incinerator and the unit shall be operated in accordance with these instructions.

(E) Incinerator owners and operators shall meet the monitoring, testing, reporting, and recordkeeping requirements found in Chapter 111 of this title (relating to Control of Air Pollution from Visible Emissions and Particulate Matter).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.492. Flares.

Smokeless gas flares which meet the following conditions of this Section are permitted by rule:

(1) design requirements.

(A) The flare shall be equipped with a flare tip designed to provide good mixing with air, flame stability, and a tip velocity less than 60 feet per second (ft/sec) for gases having a lower heating value less than 1,000 British thermal units per cubic foot (Btu/ft3) or a tip velocity less than 400 ft/sec for gases having a lower heating value greater than 1,000 Btu/ft3.

(B) The flare shall be equipped with a continuously burning pilot or other automatic ignition system that assures gas ignition and provides immediate notification of appropriate personnel when the ignition system ceases to function. A gas flare which emits no more than 4.0 pounds per hour (lb/hr) of reduced sulfur compounds, excluding sulfur oxides, is exempted from the immediate notification requirement, provided the emission point height meets the requirements of Section 106.352(4) of this title (relating to Oil and Gas Production Facilities).

(C) A flare which burns gases containing more than 24 parts per million by volume (ppmv) of sulfur, chlorine, or compounds containing either element shall be located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the flare or the owner of the property upon which the flare is located.

(D) The heat release of a flare which emits sulfur dioxide (SO2) or hydrogen chloride (HCl) shall be greater than or equal to the following values:

For HCl Q = 2.73 X 105 X HCl

For SO2 Q = 0.53 X 105 X SO2

Where Q = heat release, British thermal units per hour, based on lower heating value

HCl = HCl emission rate, lb/hr

SO2 = SO2 emission rate, lb/hr

(2) operational conditions.

(A) The flare shall burn a combustible mixture of gases containing only carbon, hydrogen, nitrogen, oxygen, sulfur, chlorine, or compounds derived from these elements. When the gas stream to be burned has a net or lower heating value of more than 200 Btu/ft3 prior to the addition of air, it may be considered combustible.

(B) A flare which burns gases containing more than 24 ppmv of sulfur, chlorine, or compounds containing either element shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7 prior to construction of a new flare or prior to the use of an existing flare for the new service.

(C) Under no circumstances shall liquids be burned in the flare.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.493 Direct Flame Incinerators

Direct flame incinerators installed for the purpose of reducing or eliminating non-halogenated volatile organic compound vapors and/or aerosols (but not liquids or solids) are exempt, provided the following conditions of this Section are satisfied.

(1) Before construction begins, the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7.

(2) Each direct flame incinerator shall be automatically controlled to maintain a minimum temperature of 1,400 degrees Fahrenheit in the combustion chamber (secondary chamber if dual-chambered) and a gas retention time of 0.5 second or greater.

(3) Continuous temperature monitors to record the temperature of the combustion chamber (secondary chamber if dual chambered) shall be installed and maintained. Temperature data shall be maintained on a rolling two-year retention basis and shall be made available at the request of personnel from the commission or any local air pollution control program having jurisdiction.

(4) Manufacturer's recommended operating instructions shall be posted at each incinerator and each unit shall be operated in accordance with these instructions.

(5) Opacity of emissions from the incinerator shall not exceed 5.0% averaged over a five-minute period.

(6) There shall be no obstructions to stack flow, such as by rain caps, unless such devices are designed to automatically open when the incinerator is in operation. Properly installed and maintained spark arrestors are not considered obstructions.

(7) Heat for the incinerator shall be provided by the combustion of sweet natural gas, liquid petroleum gas, or Number 2 fuel oil with no more than 0.5% sulfur by weight or by electric power.

(8) The gases being incinerated shall contain no halogenated organic compounds.

(9) This Section shall not apply to catalytic incinerators or direct flame incinerators installed to control emissions from new or modified facilities subject to the requirements of Chapter 116 of this title (relating to Control of Air Pollution by Permits for New Construction or Modification).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.494. Pathological Waste Incinerators.

(a) Definitions. The following words and terms, when used in this Section , shall have the following meanings, unless the context clearly indicates otherwise.

(1) **Pathological waste (as defined in 25 TAC Section 1.132 (relating to Definitions))-**
Includes, but is not limited to:

(A) human materials removed during surgery, labor and delivery, autopsy, or biopsy, including:

(i) body parts;

(ii) tissues or fetuses;

(iii) organs; and

(iv) bulk blood and body fluids;

(B) products of spontaneous or induced human abortions, including body parts, tissues, fetuses, organs, and bulk blood and body fluids, regardless of the period of gestation;

(C) laboratory specimens of blood and tissue after completion of laboratory examination; and

(D) anatomical remains.

(2) **Human remains (as defined in Health and Safety Code (H&SC), Section 711.001)** -
The body of decedent.

(3) **Carcasses** - Dead animals, in whole or part.

(4) **Crematory (as defined in the H&SC, Section 711.001)** - A structure containing a furnace used or intended to be used for the cremation of human remains.

(5) **Animal feeding operations** - A lot or facility (other than an aquatic animal feeding facility or veterinary facility) where animals are stabled or confined and fed or maintained for a total of 45 days or more in any 12-month period, and the animal confinement areas do not sustain crops, vegetation, forage growth, or post-harvest residues in the normal growing season.

(6) **Non-commercial incinerator** - An incinerator which does not accept pathological waste or carcasses generated off-site for monetary compensation.

(7) **Stack height** - Elevation of the stack exit above the ground.

(b) Conditions of permit by rule. Crematories and non-commercial incinerators used to dispose of pathological waste and carcasses which meet the following conditions of this Section are permitted by rule. Incinerators used in the recovery of materials are not covered by this Section .

(1) Design requirements.

(A) The manufacturer's rated capacity (burn rate) shall be 200 pounds per hour (lbs/hr) or less.

(B) The incinerator shall be a dual-chamber design.

(C) Burners shall be located in each chamber, sized to manufacturer's specifications, and operated as necessary to maintain the minimum temperature requirements of subparagraphs (D) or (E) of this paragraph at all times when the unit is burning waste.

(D) Excluding crematories, the secondary chamber much be designed to maintain a temperature of 1,600 degrees Fahrenheit or more with a gas residence time of 1/2 second or more.

(E) In lieu of subparagraph (D) of this paragraph, incinerators at animal feeding operations that:

(i) are used to dispose of carcasses generated on-site; and

(ii) are located a minimum of 700 feet from the nearest property line, shall be designed to maintain a secondary chamber temperature of 1,400 degrees Fahrenheit or more with a gas residence time of 1/4 second or more. Alternatively, incinerators may be located in accordance with Table 494, provided the total manufacturer's rated capacity (burn rate) of all units located less than 700 feet from a property line shall not exceed 200 lb/hr. Setback distances shall be measured from the stack exit.

Table 494

Stack Height (feet)	Property Line Distance (feet) For 24-hour Operation	Property Line Distance (feet) For *Daytime-only Operation
8 or less	210	150
>8 and ≤ 12	200	140
>12 and ≤ 16	180	130
>16 and ≤ 20	160	110
> than 20	140	90

*One hour after sunrise to one hour before sunset

(F) There shall be no obstructions to stack flow, such as by rain caps, unless such devices are designed to automatically open when the incinerator is operated. Properly installed and maintained spark arresters are not considered obstruction.

(2) Operational conditions.

(A) Before construction begins, the facility shall be registered with the commission using Form PI-7.

(B) The manufacturer's recommended operating instructions shall be posted at the unit and the unit shall be operated in accordance with these instructions.

(C) The opacity of emissions from the incinerator shall not exceed 5.0% averaged over a six-minute period.

(D) Heat shall be provided by the combustion of sweet natural gas, liquid petroleum gas, or Number 2 fuel oil with less than 0.3% sulfur by weight, or by electric power.

(E) Incinerators installed and operated in accordance with the conditions of this Section shall not be used to dispose of any medical waste, other than pathological waste and/or carcasses.

(F) Incinerators installed and operated in accordance with the conditions of this Section shall also meet the requirements of Section Section 111.121, 111.125, 111.127, and 111.129 of this title (relating to Single-, Dual-, and Multiple-Chamber Incinerators; Testing Requirements; Monitoring and Recordkeeping Requirements; and Operating Requirements).

(G) Crematories shall be used for the sole purpose of cremation of human remains and appropriate containers.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.495. Heat Cleaning Devices.

Heat cleaning devices (such as ovens, furnaces, and/or direct flame incinerators) used to thermally remove residual combustible or semi-combustible materials from noncombustible electrical or mechanical parts are permitted by rule, provided the following conditions of this Section are satisfied.

(1) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.

(2) The combustible material shall not exceed 10% by weight of the total load to the oven, furnace, and/or incinerator.

(3) The combustible material shall contain no halogenated organic compounds.

(4) The oven, furnace, and/or incinerator shall be equipped with an afterburner automatically controlled to operate with a minimum temperature of 1,400 degrees Fahrenheit and a gas retention time of 0.5 second or greater.

(5) Opacity of emissions from the oven, furnace, and/or incinerator shall not exceed 5.0% averaged over a five-minute period.

(6) The manufacturer's recommended operating instructions shall be posted at each oven, furnace, and/or incinerator, and each unit shall be operated in accordance with these instructions.

(7) Heat shall be provided by the combustion of sweet natural gas, liquid petroleum gas, or Number 2 fuel oil with no more than 0.5% sulfur by weight, or by electric power.

(8) The emission of any air contaminant shall not exceed 0.5 pounds per hour and 2.0 tons per year.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.496 Trench Burners

Any trench burner that operates according to the following conditions of this Section is exempt.

(1) The trench burner shall be operated at least 300 feet from any recreational area, residence, or other structure not occupied or used solely by the owner of the trench burner or the owner of the property upon which the trench burner is located.

(2) The trench shall be opened in undisturbed soil not previously excavated, built up, compacted, or used in any type of landfill operation.

(3) The trench shall be no wider than 12 feet with a minimum depth of ten feet. The maximum length of the burning area as measured along the bottom of the trench shall not exceed by more than five feet the length of the manifold. The walls of the trench must be maintained such that they remain vertical.

(4) Operation of this trench burner is limited to the hours between 8:00 a.m. and 6:00 p.m., and is limited to a total of eight hours per day and 1,000 hours per year. A written record or log of the hours of operation of this trench burner shall be maintained at the site and made available at the request of personnel from the commission or any local air pollution control program having jurisdiction. This record or log shall be organized such that the compliance status of this special condition can be readily determined.

(5) Material shall not be added to the trench such that the material will not be consumed by 6:00 p.m.

(6) The blower shall remain on until all material is consumed so that any remaining material in the trench will not smoke when the blower is turned off.

(7) This trench burner shall not be operated when an air stagnation advisory is in effect for the area in which the trench burner is located.

(8) Opacity of emissions from the trench and from operation of the blower shall not exceed 20% averaged over a five-minute period, except for a start-up period which shall not exceed 20 minutes. Opacity shall be measured as outlined in Chapter 13, "Visible Emissions Evaluation," of the commission's Sampling Procedures Manual, as published in January 1983, and as subsequently revised.

(9) Material to be burned in the trench is limited to not more than 7.0 tons per hour of trees, brush, and untreated lumber. Material not being worked and material being stockpiled to be burned at a later date must be kept at least 75 feet from the trench.

(10) Material shall not be added to the trench in such a manner as to be stacked above the air curtain at any time.

(11) The ash generated by this operation shall be removed from the trench as necessary in order to maintain the minimum trench depth of ten feet. The ash shall be removed in such a manner as to minimize the ash becoming airborne. All material removed from the trench must be completely extinguished before being landfilled or placed in contact with combustible material to prevent combustion outside of the trench or in the landfill.

(12) A copy of this Section shall be kept at the burn site and made available at the request of personnel from the commission or any local air pollution control program having jurisdiction.

(13) Operating instructions shall be posted at the burn site and all operators shall read and have knowledge of these instructions. The operating instructions shall be made available at the request of personnel from the commission or any local air pollution control program having jurisdiction.

(14) An operator shall remain with the trench burner at all times when it is operating.

(15) Upon notification by a representative of the commission or any local air pollution control program having jurisdiction that the trench burner is not complying with the conditions of this Section , no additional material shall be added to the trench until compliance with such conditions has been effected.

(16) The Texas Natural Resource Conservation Commission (TNRCC) shall be notified by the owner or operator of the trench burner prior to use of the trench burner at a TNRCC permitted landfill.

(17) Upon removal of the trench burner from the burn site, the trench shall be completely filled with uncombustible material.

(18) Before operation of the facility begins at any site, written site approval shall be received from the executive director and any local air pollution control program having jurisdiction in the area and the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER W: TURBINES AND ENGINES
Section 106.511, Section 106.512
Effective September 4, 2000

Section 106.511. Portable and Emergency Engines and Turbines.

Internal combustion engine and gas turbine driven compressors, electric generator sets, and water pumps, used only for portable, emergency, and/or standby services are permitted by rule, provided that the maximum annual operating hours shall not exceed 10% of the normal annual operating schedule of the primary equipment; and all electric motors. For purposes of this Section , “standby” means to be used as a “substitute for” and not “in addition to” other equipment.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.512. Stationary Engines and Turbines.

Gas or liquid fuel-fired stationary internal combustion reciprocating engines or gas turbines that operate in compliance with the following conditions of this Section are exempt.

(1) The facility shall be registered by submitting the commission's Form PI-7, Table 29 for each proposed reciprocating engine, and Table 31 for each proposed gas turbine to the commission's Office of Air Quality in Austin within ten days after construction begins. Engines and turbines rated less than 240 horsepower (hp) need not be registered, but must meet paragraphs (5) and (6) of this Section , relating to fuel and protection of air quality. Engine hp rating shall be based on the engine manufacturer's maximum continuous load rating at the lesser of the engine or driven equipment's maximum published continuous speed. A rich-burn engine is a gas-fired spark-ignited engine that is operated with an exhaust oxygen content less than 4.0% by volume. A lean-burn engine is a gas-fired spark-ignited engine that is operated with an exhaust oxygen content of 4.0% by volume, or greater.

(2) For any engine rated 500 hp or greater, subparagraphs (A)-(C) of this paragraph shall apply.

(A) The emissions of nitrogen oxides (NOx) shall not exceed the following limits:

(i) 2.0 grams per horsepower-hour (g/hp-hr) under all operating conditions for any gas-fired rich-burn engine;

(ii) 2.0 g/hp-hr at manufacturer's rated full load and speed, and other operating conditions, except 5.0 g/hp-hr under reduced speed, 80-100% of full torque conditions, for any spark-ignited, gas-fired lean-burn engine, or any compression-ignited dual fuel-fired engine manufactured new after June 18, 1992;

(iii) 5.0 g/hp-hr under all operating conditions for any spark-ignited, gas-fired, lean-burn two-cycle or four-cycle engine or any compression-ignited dual fuel-fired engine rated 825 hp or greater and manufactured after September 23, 1982, but prior to June 18, 1992;

(iv) 5.0 g/hp-hr at manufacturer's rated full load and speed and other operating conditions, except 8.0 g/hp-hr under reduced speed, 80-100% of full torque conditions for any spark-ignited, gas-fired, lean-burn four-cycle engine, or any compression-ignited dual fuel-fired engine that:

(I) was manufactured prior to June 18, 1992, and is rated less than 825 hp; or

(II) was manufactured prior to September 23, 1982;

(v) 8.0 g/hp-hr under all operating conditions for any spark-ignited, gas-fired, two-cycle lean-burn engine that:

(I) was manufactured prior to June 18, 1992, and is rated less than 825 hp; or

(II) was manufactured prior to September 23, 1982;

(vi) 11.0 g/hp-hr for any compression-ignited liquid-fired engine.

(B) For such engines which are spark-ignited gas-fired or compression-ignited dual fuel-fired, the engine shall be equipped as necessary with an automatic air-fuel ratio (AFR) controller which maintains AFR in the range required to meet the emission limits of subparagraph (A) of this paragraph. An AFR controller shall be deemed necessary for any engine controlled with a non-selective catalytic reduction (NSCR) converter and for applications where the fuel heating value varies more than plus or minus 50 British thermal unit/standard cubic feet from the design lower heating value of the fuel. If an NSCR converter is used to reduce NOx, the automatic controller shall operate on exhaust oxygen control.

(C) Records shall be created and maintained by the owner or operator for a period of at least two years, made available, upon request, to the commission and any local air pollution control agency having jurisdiction, and shall include the following:

(i) documentation for each AFR controller, manufacturer's, or supplier's recommended maintenance that has been performed, including replacement of the oxygen sensor as necessary for oxygen sensor-based controllers. The oxygen sensor shall be replaced at least quarterly in the absence of a specific written recommendation;

(ii) documentation on proper operation of the engine by recorded measurements of NOx and carbon monoxide (CO) emissions as soon as practicable, but no later than seven days following each occurrence of engine maintenance which may reasonably be expected to increase emissions, changes of fuel quality in engines without oxygen sensor-based AFR controllers which may reasonably be expected to increase emissions, oxygen sensor replacement, or catalyst cleaning or catalyst replacement. Stain tube indicators specifically designed to measure NOx and CO concentrations shall be acceptable for this documentation, provided a hot air probe or equivalent device is used to prevent error due to high stack temperature, and three sets of concentration measurements are made and averaged. Portable NOx and CO analyzers shall also be acceptable for this documentation;

(iii) documentation within 60 days following initial engine start-up and biennially thereafter, for emissions of NOx and CO, measured in accordance with United States Environmental Protection Agency (EPA) Reference Method 7E or 20 for NOx and Method 10 for CO. Exhaust flow rate may be determined from measured fuel flow rate and EPA Method 19. California Air Resources Board Method A-100 (adopted June 29, 1983) is an acceptable alternate to EPA test methods. Modifications to these methods will be subject to the prior approval of the Source and Mobile Monitoring Division of the commission. Emissions shall be measured and recorded in the as-found operating condition; however, compliance determinations shall not be established during start-up, shutdown, or under breakdown conditions. An owner or operator may submit to the appropriate regional office a report of a valid emissions test performed in Texas, on the same engine, conducted no more than 12 months prior to the most recent start of construction date, in lieu of performing an emissions test within 60 days following engine start-up at the new site. Any such engine shall be sampled no less frequently than biennially (or every 15,000 hours of elapsed run time, as recorded by an elapsed run time meter) and upon request of the executive director. Following the initial compliance test, in lieu of performing stack sampling on a biennial calendar basis, an owner or operator may elect to install and operate an elapsed operating time meter and shall test the engine within 15,000 hours of engine operation after the previous emission test. The owner or operator who elects to test on an operating hour schedule shall submit in writing, to the appropriate regional office, biennially after initial sampling, documentation of the actual recorded hours of engine operation since the previous emission test, and an estimate of the date of the next required sampling.

(3) For any gas turbine rated 500 hp or more, subparagraphs (A) and (B) of this paragraph shall apply.

(A) The emissions of NOx shall not exceed 3.0 g/hp-hr for gas-firing.

(B) The turbine shall meet all applicable NOx and sulfur dioxide (SO2) (or fuel sulfur) emissions limitations, monitoring requirements, and reporting requirements of EPA New Source Performance Standards Subpart GG--Standards of Performance for Stationary Gas Turbines. Turbine hp rating shall be based on turbine base load, fuel lower heating value, and International Standards Organization Standard Day Conditions of 59 degrees Fahrenheit, 1.0 atmosphere and 60% relative humidity.

(4) Any engine or turbine rated less than 500 hp or used for temporary replacement purposes shall be exempt from the emission limitations of paragraphs (2) and (3) of this Section . Temporary replacement engines or turbines shall be limited to a maximum of 90 days of operation after which they shall be removed or rendered physically inoperable.

(5) Gas fuel shall be limited to: sweet natural gas or liquid petroleum gas, fuel gas containing no more than ten grains total sulfur per 100 dry standard cubic feet, or field gas. If field gas contains more than 1.5 grains hydrogen sulfide or 30 grains total sulfur compounds per 100 standard cubic feet (sour gas), the engine owner or operator shall maintain records, including at least quarterly measurements of fuel hydrogen sulfide and total sulfur content, which demonstrate that the annual SO2 emissions from the facility do not exceed 25 tons per year (tpy). Liquid fuel shall be petroleum distillate oil that is not a blend containing waste oils or solvents and contains less than 0.3% by weight sulfur.

(6) There will be no violations of any National Ambient Air Quality Standard (NAAQS) in the area of the proposed facility. Compliance with this condition shall be demonstrated by one of the following three methods:

(A) ambient sampling or dispersion modeling accomplished pursuant to guidance obtained from the executive director. Unless otherwise documented by actual test data, the following nitrogen dioxide (NO2) /NOx ratios shall be used for modeling NO2 NAAQS;

Device	NO_x Emission Rate (Q) g/hp-hr	NO_2/NO_x Ratio
IC Engine	Less than 2.0	0.4
IC Engine	2.0 thru 10.0	0.15 + (0.5/Q)
IC Engine	Greater than 10.0	0.2
Turbines		0.25
IC Engine with catalytic converter		0.85

B) all existing and proposed engine and turbine exhausts are released to the atmosphere at a height at least twice the height of any surrounding obstructions to wind flow. Buildings, open-sided roofs, tanks, separators, heaters, covers, and any other type of structure are considered as obstructions to wind flow if the distance from the nearest point on the obstruction to the nearest exhaust stack is less than five times the lesser of the height, Hb, and the width, Wb, where:

Hb = maximum height of the obstruction, and
Wb = projected width of construction

2 square root of {(L x W)/(3.141)}

where:

L = length of obstruction
W = width of obstruction

(C) the total emissions of NOx (nitrogen oxide plus NO2) from all existing and proposed facilities on the property do not exceed the most restrictive of the following:

(i) 250 tpy;

(ii) the value (0.3125 D) tpy, where D equals the shortest distance in feet from any existing or proposed stack to the nearest property line.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER X: WASTE PROCESSES AND REMEDIATION
Section Section 106.531 - 106.534
Effective September 4, 2000

Section 106.531. Sewage Treatment Facility.

Sewage treatment facilities, excluding combustion or incineration equipment, land farms, or grease trap waste handling or treatment facilities are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.532. Water and Wastewater Treatment.

Water and wastewater treatment units are permitted by rule, provided the following conditions of this Section are met.

(1) The facility performs only the following functions:

(A) disinfection;

(B) softening;

(C) filtration;

(D) flocculation;

(E) stabilization;

(F) taste and odor control;

(G) clarification;

(H) carbonation;

(I) sedimentation;

(J) neutralization;

(K) chlorine removal;

(L) activated sludge treatment, anaerobic treatment, and associated control of gases from these treatments;

(M) aerobic oxidation/biodegration using oxygen or peroxide in the absence of nitrogen or other gas that would cause stripping of volaltile organic compounds (VOC) from the water;

(N) stripping VOC, ammonia, or other air contaminants from the water with air or other gas, provided the stripped gases are controlled with an abatement system that meets the requirements of Section 106.533(5) of this title (relating to Water and Soil Remediation). For ammonia or hydrogen chloride (HCl) or other acid gas emissions, abatement may include a water or caustic scrubbing system as a means of complying with this Section . Final emissions of HCl resulting from combustion of chlorine or chlorine-containing compounds shall not exceed 0.1 pounds per hour;

(O) liquid phase separation of VOC and water in which:

(i) the sum of the partial pressures of all species of VOC in any sample is less than 1.5 psia; or

(ii) the separator is enclosed and emissions are vented through an emission abatement system meeting the requirements specified previously for stripped VOC and ammonia;

(2) Chlorine or sulfur dioxide (SO2) shall be used only in containers approved by the United States Department of Transportation and emissions of chlorine or SO2 from treatment of water or decontamination of equipment at any water treatment plant shall not exceed ten tons per year.

(3) The following shall not be permitted by rule under this Section :

(A) gas stripping or aeration facilities where VOC or other air contaminants are stripped from water directly to the atmosphere;

(B) disposal facilities using land surface treatment;

(C) surface facilities associated with injection wells;

(D) cooling towers in which VOC or other air contaminants may be stripped to the atmosphere.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.533. Water and Soil Remediation.

Equipment used to reclaim or destroy chemicals removed from contaminated ground water, contaminated water condensate in tank and pipeline systems, or contaminated soil for the purpose of remedial action is permitted by rule, provided all the following conditions of this Section are satisfied.

(1) Applicability shall pertain to soil and water remediation at the property where the original contamination of the ground water or soil occurred or at a nearby property secondarily affected by the contamination, but not to any soil or water treatment facility where soils or water are brought in from another property. Such facilities are subject to Section 116.110 of this title (relating to Applicability).

(2) For treating groundwater or soil contaminated with petroleum compounds, the total emissions of petroleum hydrocarbons shall not exceed 1.0 pound per hour (lb/hr), except that benzene emissions also must meet the conditions of Section 106.262(3) and (4) of this title (relating to Facilities (Emission and Distance Limitations). For purposes of this Section , petroleum is considered to include:

(A) liquids or gases produced from natural formations of crude oil, tar sands, shale, coal and natural gas; or

(B) refinery fuel products to include fuel additives.

(3) For treating groundwater or soil contaminated with chemicals other than petroleum, emissions must meet the requirements of Section 106.262(2), (3), and (4) of this title. If the groundwater or soil is contaminated with both petroleum and other chemicals, the petroleum compound emissions must meet paragraph (2) of this Section and the other chemical emissions must meet the requirements of Section 106.262(2), (3), and (4) of this title. The emission of any chemical not having a Limit (L) Value in Table 262 of Section 106.262 of this title is limited to 1.0 lb/hr.

(4) The handling and processing (screening, crushing, etc.) of contaminated soil and the handling and conditioning (adding moisture) of remediated soil shall be controlled such that there are no visible emissions with the exception of moisture.
(5) If abatement equipment is used to meet paragraphs (2) and (3) of this Section , the equipment must satisfy one of the following conditions.

(A) The vapors shall be burned in a direct-flame combustion device (incinerator, furnace, boiler, heater, or other enclosed direct-flame device) operated in compliance with Section 106.493(2) and (3) of this title (relating to Direct Flame Incinerators (Previously SE 88)).

(B) The vapors shall be burned in a flare which meets the requirements of Section 106.492 of this title (relating to Flares (Previously SE 80)) and the requirements of 40 Code of Federal Regulations 60.18, which shall take precedence over Section 106.492 of this title in any conflicting requirements whether or not New Source Performance Standards apply to the flare.

(C) The vapors shall be burned in a catalytic oxidizer which destroys at least 90% of the vapors. An evaluation of oxidizer effectiveness shall be made at least weekly, using a portable flame or photoionization detector or equivalent instrument to determine the quantity of carbon compounds in the inlet and outlet of the catalytic oxidizer. Records of oxidizer performance shall be maintained in accordance with paragraph (7) of this Section .

(D) The vapors shall be routed through a carbon adsorption system (CAS) consisting of at least two activated carbon canisters that are connected in series. The system shall meet the following additional requirements.

(i) The CAS shall be sampled and recorded weekly to determine breakthrough of volatile organic compounds (VOC). Breakthrough is defined as a measured VOC concentration of 50 parts per million by volume (ppmv) in the outlet of the initial canister. The sampling point shall be at the outlet of the initial canister, but before the inlet to the second or final polishing canister. Sampling shall be performed while venting maximum emissions to the CAS (example: during loading of tank trucks, during tank filling, during process venting).

(ii) A flame ionization detector (FID) shall be used for VOC sampling. The FID shall be calibrated prior to sampling with certified gas mixtures (propane in air) of 10 ppmv ± 2.0% and of 100 ppmv ± 2.0%.

(iii) When the VOC breakthrough is measured, the waste gas flow shall be switched to the second canister immediately. Within four hours of detection of breakthrough, a fresh canister shall be placed as the new final polishing canister. Sufficient fresh activated carbon canisters shall be maintained at the site to ensure fresh polishing canisters are installed within four hours of detection of breakthrough.

(iv) Records of the CAS monitoring maintained at the plant site shall include, but are not limited to, the following:

(I) sample time and date;

(II) monitoring results (ppmv);

(III) corrective action taken, including the time and date of the action; and

(IV) process operations occurring at the time of sampling.

(v) The registration shall include a demonstration that activated carbon is an appropriate choice for control of the organic compounds to be stripped.

(6) Before construction of the facility begins, the facility shall be registered with the commission's Office of permitting, Remediation, and Registration in Austin using Form PI-7. The registration shall contain specific Information concerning the basis (measured or calculated) for the expected emissions from the facility. The registration shall also explain details as to why the emission control system can be expected to perform as represented.

(7) Records required by applicable paragraphs of this Section shall be maintained at the site and made available to personnel from the commission or any local agency having jurisdiction. These records shall be made available to representatives of the commission and local programs upon request and shall be retained for at least two years following the date that the data is obtained.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.534. Municipal Solid Waste Landfills and Transfer Stations**.**

Municipal solid waste landfills and waste transfer stations operating in compliance with the Texas Solid Waste Disposal Act are exempt.
Adopted August 9, 2000 Effective September 4, 2000

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Monday, January 20, 2025 7:09 AM
To: Samantha Mendez
Cc: Rhyan Stone; Bissonnette, Daniel
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Your request has been received. I'll let you know if I have any questions.

Thanks

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

Enterprise Products

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Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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- On form OP-PBRSUP, the unit ID "H-1 Vent".
    - Please update Table D to reflect the unit "H-1 Vent" and resubmit Table D of the OP-PBRSUP form.
- Furthermore, several entries on form OP-PBRSUP, Table D appear to have the Registration Issuance date listed instead of the Registration No. or PBR Version No.
    - Please update OP-PVRSUP, Table D.
        - Once corrections are made to the OP-PBRSUP, the full form (Tables A through D) should be resubmitted for review
- I would like to confirm with you whether emission units, "UNIT 185" and "UNIT 186" respectively, are being deleted or added to OP-UA2.
    - Moreover, on form OP-UA2, there were a few typos that I noted, and wanted to share them with you.
        - The two Unit ID numbers that obtain typos are as follows: Unit 928 on page 4, 5, & 6 – typo found with the Index Number, Unit 932 on page 5 & 6 – typo found with the Index Number.
- On form OP-UA-6, there is missing information for a couple of emission units for Index Numbers 63DDDDD-01 through 63DDDDD-05.
    - Information is needed for the following unit IDs and index numbers respectively: Unit ID: **H-1** – Index No.: **63DDDDD-03**, Unit ID: **H-3** – Index No.: **63DDDDD-04**, Unit ID: **H-5** – Index No.: **63DDDDD-05**, Unit ID: **BOI-1** – Index No.: **63DDDDD-01**, and Unit ID: **DEHYBOI** – Index No.: **63DDDDD-02**.

Note- Some units/modifications/requested items were not included in the Working Draft Permit due to deficiencies being found in the application/permit.

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

Note that a Certification by Responsible Official (Form OP-CRO1) for any uncertified submittals, including application updates supporting the WDP comments is required to be

submitted with the WDP response. After final review of the WDP, additional changes, supported by application updates, may require certification. I will advise you of these changes at a later date. Prior to transmittal of the Public Notice/Announcement Authorization Package, a duly signed OP-CRO1 form may be required which includes the specific dates or time-period of all submitted application documentation that were not previously certified. I will advise you of this requirement prior to sending the Public Notice/Announcement Authorization.

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

Please notify me when these updates have been submitted.

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

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov


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

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Enterprise Hydrocarbons L.P.

AUTHORIZING THE OPERATION OF
Armstrong Gas Plant
Natural Gas Liquid Extraction

LOCATED AT
Dewitt County, Texas
Latitude 29° 8′ 2″ Longitude 97° 2′ 20″
Regulated Entity Number: RN100220078

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O3184 Issuance Date: _____

_____
For the Commission

Table of Contents

General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

    C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

    D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

    E. Emission units subject to 40 CFR Part 63, Subparts A, HH, ZZZZ, and DDDDD as identified in the attached Applicable Requirements Summary table are subject to 30 TAC

Chapter 113, Subchapter C, §§ 113.100, 113.390, 113.1090, and 113.1130, respectively, which incorporates the 40 CFR Part 63 Subpart by reference.

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

   A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

   B. Title 30 TAC § 101.3 (relating to Circumvention)

   C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

   D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

   E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

   F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

   G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

   H. Title 30 TAC § 101.221 (relating to Operational Requirements)

   I. Title 30 TAC § 101.222 (relating to Demonstrations)

   J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

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

   A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

      (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

      (ii) Title 30 TAC § 111.111(a)(1)(E)

      (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

      (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that

does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

  (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

  (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is

determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

4. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

5. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

6. For oil and natural gas production facilities as specified in 40 CFR Part 63, Subpart HH, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.390 incorporated by reference):

A. Title 40 CFR § 63.760(a)(1)(i) - (iii) (relating to Applicability and Designation of Affected Source)

B. Title 40 CFR § 63.775(d)(9) (relating to Reporting Requirements)

7. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

Additional Monitoring Requirements

8. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

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

A. Are incorporated by reference into this permit as applicable requirements

B. Shall be located with this operating permit

C. Are not eligible for a permit shield

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

11. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air

contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

12. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

13. Use of Discrete Emission Credits to comply with the applicable requirements:

    A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

        (i) Title 30 TAC Chapter 115

        (ii) Title 30 TAC Chapter 117

        (iii) If applicable, offsets for Title 30 TAC Chapter 116

        (iv) Temporarily exceed state NSR permit allowables

    B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

        (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

        (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

        (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

        (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

        (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Permit Location

14. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit off site at Enterprise Products, 1100 Louisiana, Houston, Texas 77002.

Permit Shield (30 TAC § 122.148)

15. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
DEHYVENT	GLYCOL DEHYDRATION	N/A	63HH-01	40 CFR Part 63, Subpart HH	No changing attributes.
EMERGEN	SRIC ENGINES	N/A	60JJJJ-03	40 CFR Part 60, Subpart JJJJ	No changing attributes.
EMERGEN	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FIREPUMP	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FL-1	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
FL-2	FLARES	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FL-2	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
FL-3	FLARES	N/A	R1111-02	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FUG KKK	FUGITIVE EMISSION UNITS	N/A	60KKK-03	40 CFR Part 60, Subpart KKK	No changing attributes.
FUG OOOOA	FUGITIVE EMISSION UNITS	N/A	60OOOOa	40 CFR Part 60, Subpart OOOOa	No changing attributes.
FUG-1	FUGITIVE EMISSION UNITS	N/A	63HH-01	40 CFR Part 63, Subpart HH	No changing attributes.
GO-FLARE1	FLARES	N/A	R1111-02	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GO-FLARE1	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
GO-FLARE1	FLARES	N/A	63A-02	40 CFR Part 63, Subpart A	No changing attributes.
GRP111A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	UNIT 184S	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP111B	EMISSION	BLCS1, BLCS2,	R1111-02	30 TAC Chapter 111, Visible	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	POINTS/STATIONARY VENTS/PROCESS VENTS	BOI-1S, C-1, C-15, C-2, C-3, C-4, C-5, C-6, C-7, C-8, C-9, DEHYBOIS, H-1S, H-3S, H-5S, STARTER, UNIT 185S, UNIT 186S		Emissions	
UNIT 924	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 925	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 926	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 927	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 930	STATIONARY TURBINES	N/A	60GG-02	40 CFR Part 60, Subpart GG	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
DEHYVENT	EU	63HH-01	112(B) HAPS	40 CFR Part 63, Subpart HH	§ 63.765(b)(1)(iii) § 63.11(b) § 63.764(a) § 63.764(j) § 63.765(b)(1)(iii)(A) § 63.771(c)(1) § 63.771(c)(2) § 63.771(f)(1) § 63.771(f)(1)(iii) § 63.771(f)(2) § 63.771(f)(2)(i) § 63.771(f)(2)(ii) [G]§ 63.773(c)(3) § 63.773(c)(4) [G]§ 63.773(c)(5) [G]§ 63.773(c)(6)	The owner or operator must limit BTEX emissions from each existing small glycol dehydration unit process vent, as defined in §63.761, to the limit determined in Equation 1 of this section. The limits determined using Equation 1 must be met in accordance with one of the alternatives specified in paragraphs (b)(1)(iii)(A) through (D) of this section.	[G]§ 63.772(c) § 63.772(d)(1) § 63.772(e) [G]§ 63.772(e)(2) § 63.772(e)(4)(ii) [G]§ 63.772(f) [G]§ 63.773(c)(2)(i) [G]§ 63.773(c)(2)(ii) [G]§ 63.773(d)(1) § 63.773(d)(3) § 63.773(d)(3)(i)(C) § 63.773(d)(3)(iii) § 63.773(d)(4) § 63.773(d)(6) § 63.773(d)(6)(i) § 63.773(d)(6)(iv) § 63.773(d)(7)	§ 63.771(e)(1) § 63.771(e)(2) § 63.771(e)(3)(i) [G]§ 63.774(b)(1) § 63.774(b)(10) § 63.774(b)(11) § 63.774(b)(2) [G]§ 63.774(b)(3) § 63.774(b)(4) § 63.774(b)(4)(i) § 63.774(b)(4)(ii)(A) § 63.774(b)(5) § 63.774(b)(6) § 63.774(b)(7) § 63.774(b)(7)(i) § 63.774(b)(7)(ii) § 63.774(b)(7)(iii) § 63.774(b)(7)(iv) § 63.774(b)(7)(v) § 63.774(b)(7)(vi) § 63.774(b)(7)(vii) § 63.774(b)(7)(viii) § 63.774(g)	§ 63.764(b) [G]§ 63.773(c)(2)(i) [G]§ 63.773(c)(2)(ii) [G]§ 63.775(b)(1) § 63.775(b)(2) § 63.775(b)(3) § 63.775(b)(4) § 63.775(b)(5) § 63.775(b)(6) § 63.775(d) § 63.775(d)(10) § 63.775(d)(11) [G]§ 63.775(d)(2) § 63.775(d)(6) § 63.775(d)(7) § 63.775(e) § 63.775(e)(1) § 63.775(e)(2) § 63.775(e)(2)(i) § 63.775(e)(2)(ii) § 63.775(e)(2)(ii)(A) § 63.775(e)(2)(ii)(D) § 63.775(e)(2)(iii) [G]§ 63.775(e)(2)(vii) § 63.775(e)(2)(viii) § 63.775(e)(2)(x) § 63.775(e)(2)(xi) [G]§ 63.775(f) § 63.775(g)(1)
EMERGEN	EU	60JJJJ-03	CO	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table 1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(i) [G]§ 60.4243(d) § 60.4243(g)	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than or equal to 100 HP and less than 130 HP and were manufactured on or after 01/01/2009 must comply with a CO emission limit of 387 g/HP-hr, as listed in	§ 60.4237(c) § 60.4243(b)(2)(i) § 60.4243(f) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(e)	§ 60.4243(b)(2)(i) § 60.4245(a) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4) § 60.4245(b)	§ 60.4245(d) [G]§ 60.4245(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						Table 1 to this subpart.			
EMERGEN	EU	60JJJJ-03	HC and NO_X	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table 1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(i) [G]§ 60.4243(d) § 60.4243(g)	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than or equal to 100 HP and less than 130 HP and were manufactured on or after 01/01/2009 must comply with an HC+NOx emission limit of 10 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4237(c) § 60.4243(b)(2)(i) § 60.4243(f) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(d)	§ 60.4243(b)(2)(i) § 60.4245(a) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4) § 60.4245(b)	§ 60.4245(d) [G]§ 60.4245(e)
EMERGEN	EU	63ZZZZ-03	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
FIREPUMP	EU	63ZZZZ-03	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
FL-1	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
FL-2	CD	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
FL-2	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
FL-3	CD	R1111-02	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						§101.222(b).			
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in light liquid service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k)	Comply with the requirements for connectors as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d)	Comply with the requirements for pressure relief devices in light liquid service as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9(a) § 60.482-9(b) § 60.486(k)				
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in gas/vapor service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a)	Comply with the requirements for pumps in light liquid service as stated in §60.482-2 and §60.482-1(a), (b) and (d), except as provided in §60.633.	[G]§ 60.482-2(a) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k)				
FUG OOOOA	EU	60OOOOa	VOC	40 CFR Part 60, Subpart OOOOa	§ 60.5400a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-6a(a)(1) § 60.482-6a(a)(2) § 60.482-6a(b) § 60.482-6a(c) § 60.482-6a(d) § 60.482-6a(e) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.5370a(a) § 60.5370a(b) § 60.5400a(a) § 60.5400a(d) § 60.5400a(e) § 60.5400a(f) § 60.5410a § 60.5410a(f) § 60.5415a(f)	Except as provided in §60.5401 open-ended valves or lines must comply with the requirements of §60.482-6a. Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, except as provided in §60.482-1a(c) and paragraphs §60.482-6a(d) and §60.482-6a(e) of this section.	§ 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(d) § 60.485a(d)(2) § 60.485a(d)(3) [G]§ 60.5401a(f) § 60.5401a(g)	§ 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e) § 60.5420a(a) § 60.5420a(a)(1) § 60.5422a(a)
FUG OOOOA	EU	60OOOOa	VOC	40 CFR Part 60, Subpart OOOOa	§ 60.5400a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-7a(a)(1) [G]§ 60.482-7a(a)(2) § 60.482-7a(b) [G]§ 60.482-7a(c) [G]§ 60.482-7a(d) [G]§ 60.482-7a(e) [G]§ 60.482-7a(f)	Except as provided in §60.5401 valves in gas/vapor service or light liquid service must comply with the requirements of §60.482-7a. At a valve in gas/vapor service or light liquid service, if an instrument reading of 500 ppm or greater is measured, a leak is detected.	§ 60.482-1a(f)(1) § 60.482-1a(f)(2) [G]§ 60.482-1a(f)(3) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) § 60.485a(d) § 60.485a(d)(2) § 60.485a(d)(3) [G]§ 60.485a(e)	§ 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) [G]§ 60.486a(e)(8) § 60.486a(f) § 60.486a(f)(1)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(2) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(ii) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-7a(g) [G]§ 60.482-7a(h) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.5370a(a) § 60.5370a(b) § 60.5400a(a) § 60.5400a(d) § 60.5400a(e) § 60.5400a(f) § 60.5401a(d) § 60.5410a § 60.5410a(f) § 60.5415a(f)		[G]§ 60.5401a(f) § 60.5401a(g)	§ 60.486a(f)(2)	§ 60.487a(e) § 60.5420a(a) § 60.5420a(a)(1) § 60.5422a(a)
FUG OOOOA	EU	60OOOOa	VOC	40 CFR Part 60, Subpart OOOOa	§ 60.5400a(a) § 60.482-11a(b)(2) § 60.482-11a(b)(3) § 60.482-11a(b)(3)(i) § 60.482-11a(d) [G]§ 60.482-11a(e) [G]§ 60.482-11a(f)(1) § 60.482-11a(f)(2) § 60.482-11a(g) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.5370a(a) § 60.5370a(b) § 60.5400a(a)	Except as provided in §60.5401 connectors in gas and vapor and light liquid service must comply with the requirements of §60.482-11a. If an instrument reading greater than or equal to 500 ppm is measured in connectors in gas and vapor and light liquid service, a leak is detected.	§ 60.482-11a(a) § 60.482-11a(b) § 60.482-11a(b)(1) § 60.482-11a(b)(3) § 60.482-11a(b)(3)(ii) [G]§ 60.482-11a(b)(3)(iii) § 60.482-11a(b)(3)(iv) § 60.482-11a(c) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(d) § 60.485a(d)(2) § 60.485a(d)(3) [G]§ 60.485a(e) [G]§ 60.5401a(f)	§ 60.482-11a(b)(3)(v) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8) § 60.486a(e)(9) § 60.486a(f) § 60.486a(f)(1)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(5) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(vii) § 60.487a(c)(2)(viii) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e) § 60.5420a(a) § 60.5420a(a)(1) § 60.5422a(a)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.5400a(d) § 60.5400a(e) § 60.5400a(f) § 60.5401a(d) § 60.5410a § 60.5410a(f) § 60.5415a(f)		§ 60.5401a(g)		
FUG-1	EU	63HH-01	112(B) HAPS	40 CFR Part 63, Subpart HH	§ 63.764(e)(2)(i) § 63.764(a) § 63.764(e)(2) § 63.764(j)	Any ancillary equipment or compressors that contain or contact a fluid with a total VHAP concentration of <10% by weight are exempt from the equipment leak requirements of § 63.764(c)(3).	[G]§ 63.772(a)	§ 63.774(d)(2) § 63.774(d)(2)(i)	None
GO-FLARE1	CD	R1111-02	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
GO-FLARE1	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
GO-FLARE1	CD	63A-02	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(8)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part	§ 63.11(b)(4) § 63.11(b)(5)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						60 of this chapter shall be used.			
GRP111A	EP	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRP111B	EP	R1111-02	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
UNIT 924	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 925	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 926	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 927	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 930	EU	60GG-02	NO_X	40 CFR Part 60, Subpart GG	§ 60.332(a)(2) § 60.332(a)(3) § 60.332(k)	No owner or operator shall discharge into the atmosphere from any stationary gas turbine, any	[G]§ 60.335(a) § 60.335(b)(1) § 60.335(b)(2) § 60.335(c)(1)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						gases which contain nitrogen oxides in excess of the amount as determined from the specified equation.	** See Periodic Monitoring Summary		
UNIT 930	EU	60GG-02	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP111A	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: N/A	
Deviation Limit: If alternative fuel is fired for > 24 consecutive hours, report as a deviation, or conduct observation using Test Method 22. Report as a deviation if visible emissions are observed using Test Method 22 and opacity > 30% using Test Method 9.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP111B	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-02
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: N/A	
Deviation Limit: If alternative fuel is fired for > 24 consecutive hours, report as a deviation, or conduct observation using Test Method 22. Report as a deviation if visible emissions are observed using Test Method 22 and opacity > 20% using Test Method 9.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 930	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG-02
Pollutant: NO_X	Main Standard: § 60.332(a)(2)
Monitoring Information	
Indicator: Fuel Consumption	
Minimum Frequency: once per week	
Averaging Period: N/A	
Deviation Limit: 2.428 MMscf per week	
Periodic Monitoring Text: Measure and record fuel consumption. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 930	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG-02
Pollutant: NO_X	Main Standard: § 60.332(a)(2)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: every 15,000 hours of operation	
Averaging Period: N/A	
Deviation Limit: Maximum NOX Concentration = 150 ppm	
Periodic Monitoring Text: Measure and record the nitrogen oxides concentration of the exhaust gas on a biennial calendar basis using the method specified in 30 TAC § 117.8000(c). The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

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Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
AMNVENT	N/A	30 TAC Chapter 112, Sulfur Compounds	The sweetening unit is not a sulfur recovery plant.
AMNVENT	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
AMNVENT	N/A	40 CFR Part 60, Subpart LLL	The facility does not process sour natural gas.
AMNVENT	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
BOI-1	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
BOI-1	N/A	40 CFR Part 60, Subpart D	Heat input rate is less than 250 MMBtu/hr.
BOI-1	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
BOI-1	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
BOI-1	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/9/1989.
CT-1	N/A	40 CFR Part 63, Subpart Q	Cooling tower does not use chromium compounds after 09/08/1994.
DEHYBOI	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
DEHYBOI	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
DEHYBOI	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
DEHYBOI	N/A	40 CFR Part 60, Subpart Db	Heat input capacity is less than 100 MMBtu/hr.

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
DEHYBOI	N/A	40 CFR Part 60, Subpart Dc	Heat input capacity is less than 10 MMBtu/hr.
DEHYVENT	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
FLSHTNK	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
FLSHTNK	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified before 06/11/1973.
FLSHTNK	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified before 05/18/1978.
FLSHTNK	N/A	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 07/23/1984.
FLSHTNK	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
FUG	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not located in an applicable ozone non-attainment county.
FUG	N/A	40 CFR Part 60, Subpart KKK	Facility did not commence construction, reconstruction or modification after 1/20/1984.
FUG-1	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not located in an applicable ozone non-attainment county.
FUG-1	N/A	40 CFR Part 60, Subpart KKK	The facility is not a natural gas processing plant as defined in 60.631.
FUG-1	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GLYTANK	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GLYTANK	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GLYTANK	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
GLYTANK	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
GLYTANK	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
GLYTANK	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRP111B	BLCS1, BLCS2, BOI-1S, C-1, C-15, C-2, C-3, C-4, C-5, C-6, C-7, C-8, C-9, DEHYBOIS, H-1S, H-3S, H-5S, STARTER, UNIT 185S, UNIT 186S	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county/area.
GRPLOAD	LD-A, LD-B, LD-C, LD-D, LD-F, LD-G, LD-H, LD-I, LD-J, LD-K, LD-L, LD-M, TL-1	30 TAC Chapter 115, Loading and Unloading of VOC	Loading and unloading of VOC (except gasoline) is exempt in De Witt County.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified before 6/11/1973.

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified before 5/18/1978.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart Ka	Capacity is less than 40,000 gallons.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
H-1	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
H-1	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-1	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
H-1	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-1	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/09/1989.
H-3	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
H-3	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-3	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
H-3	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-3	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/9/1989.
H-5	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
H-5	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-5	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
H-5	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-5	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/09/1989.

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OWSH-1	N/A	30 TAC Chapter 115, Water Separation	Facility is not located in a Chapter 115 applicable county.
PRO-AMINE	N/A	30 TAC Chapter 112, Sulfur Compounds	The sweetening unit is not a sulfur recovery plant.
PRO-AMINE	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
PRO-AMINE	N/A	40 CFR Part 60, Subpart LLL	The facility does not process sour natural gas.
PRO-AMINE	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
PRO-FRAC1	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
PRO-FRAC2	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
PWSH-1	N/A	30 TAC Chapter 115, Degreasing Processes	Facility is not located in a Chapter 115 applicable county.
PWSH-1	N/A	40 CFR Part 63, Subpart T	Halogenated HAPs are not used for solvent cleaning.
T-107	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-107	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-107	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-107	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-107	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
T-107	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501A	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501A	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501A	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-501A	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501A	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501A	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501B	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501B	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501B	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-501B	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501B	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501B	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501C	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501C	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501C	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-501C	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501C	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501C	N/A	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
TL-FUG	N/A	40 CFR Part 60, Subpart KKK	Truck loading equipment is not part of a natural gas processing plant as defined in §60.631.
TL-FUG	N/A	40 CFR Part 63, Subpart HH	Truck loading equipment is not part of a natural gas processing plant as defined in §60.761.
UNIT 184	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 184	N/A	40 CFR Part 60, Subpart GG	Constructed, reconstructed, or modified before October 3, 1977.
UNIT 184	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
UNIT 184	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 924	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 924	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 924	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 925	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 925	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 925	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 926	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 926	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 926	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 927	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
UNIT 927	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 927	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 928	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 928	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 928	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 929	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 929	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 929	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 930	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 930	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 930	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			turbine constructed or reconstructed before 01/14/2003.
UNIT 931	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 931	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 931	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 932	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 932	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 932	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 933	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 933	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 933	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.

New Source Review Authorization References

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 17457	Issuance Date:
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 6	Version No./Date: 05/05/1976
Number: 6	Version No./Date: 05/12/1981
Number: 7	Version No./Date: 11/05/1986
Number: 9	Version No./Date: 05/08/1972
Number: 51	Version No./Date: 11/05/1986
Number: 53	Version No./Date: 11/05/1986
Number: 57	Version No./Date: 05/05/1976
Number: 57	Version No./Date: 05/12/1981
Number: 58	Version No./Date: 05/08/1972
Number: 58	Version No./Date: 05/05/1976
Number: 58	Version No./Date: 05/12/1981
Number: 59	Version No./Date: 05/08/1972
Number: 64	Version No./Date: 05/08/1972
Number: 66	Version No./Date: 11/05/1986
Number: 70	Version No./Date: 05/08/1972
Number: 72	Version No./Date: 05/08/1972
Number: 72	Version No./Date: 05/05/1976
Number: 72	Version No./Date: 05/12/1981
Number: 82	Version No./Date: 12/01/1972
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.352	Version No./Date: 09/04/2000
Number: 106.352	Version No./Date: 02/27/2011
Number: 106.352	Version No./Date: 02/02/2012
Number: 106.352	Version No./Date: 11/22/2012
Number: 106.355	Version No./Date: 11/01/2001
Number: 106.359	Version No./Date: 09/10/2013
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.492	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Number: 106.512	Version No./Date: 06/13/2001
Number: 107	Version No./Date: 05/12/1981

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
AMNVENT	ARMSTRONG INLET ACID GAS VENT	106.352/09/04/2000
BLCS1	BLOWCASE VESSEL 1	106.352/02/27/2011
BLCS2	BLOWCASE VESSEL 2	106.352/02/27/2011
BOI-1	AMINE STEAM REBOILER HEATER	106.352/09/04/2000, 106.352/11/22/2012
BOI-1S	AMINE STEAM REBOILER HEATER STACK	106.352/09/04/2000, 106.352/11/22/2012
C-1	MEP-10, UNIT #931 STACK	6/05/05/1976
C-15	SATURN, UNIT #930 STACK	17457
C-2	MEP-10, UNIT #932 STACK	6/05/05/1976
C-3	MEP-10, UNIT #933 STACK	6/05/05/1976
C-4	CENTAUR, UNIT #924 STACK	6/05/12/1981
C-5	CENTAUR, UNIT #925 STACK	6/05/12/1981
C-6	CENTAUR, UNIT #926 STACK	6/05/12/1981
C-7	CENTAUR, UNIT #927 STACK	6/05/12/1981
C-8	MEP-6, UNIT #928 STACK	6/05/12/1981
C-9	MEP-6, UNIT #929 STACK	6/05/12/1981
CT-1	COOLING TOWER	9/05/08/1972
DEHYBOI	DEHYDRATOR REBOILER HEATER	106.352/09/04/2000, 106.352/11/22/2012
DEHYBOIS	DEHYDRATOR REBOILER HEATER STACK	106.352/09/04/2000, 106.352/11/22/2012
DEHYVENT	ARMSTRONG INLET GLYCOL DEHYDRATION UNIT VENT	106.352/09/04/2000
EMERGEN	EMERGENCY GENERATOR	106.511/09/04/2000
FIREPUMP	FIREPUMP ENGINE	106.511/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
FL-1	PLANT FLARE NO. 1	106.352/11/22/2012, 106.492/09/04/2000
FL-2	PLANT FLARE NO. 2	106.352/11/22/2012, 106.492/09/04/2000
FL-3	PLANT FLARE NO. 3	106.352/11/22/2012, 106.492/09/04/2000
FLSHTNK	CONDENSATE FLASH TANK	106.352/02/02/2012
FUG	PLANT FUGITIVES	66/11/05/1986
FUG KKK	PLANT FUGITIVES KKK	106.352/09/04/2000, 106.352/11/22/2012
FUG OOOOA	PLANT FUGITIVES OOOOA	106.352/11/22/2012
FUG-1	ARMSTRONG INLET FUGITIVES	106.352/09/04/2000, 106.352/11/22/2012
GLYTANK	TRIETHYLENE GLYCOL TANK	106.352/02/27/2011
GO-FLARE1	FACILITY FLARE	106.352/11/22/2012, 106.492/09/04/2000
H-1	REGENERATION GAS HEATER NO. 1	106.352/11/22/2012
H-1S	REGENERATION GAS HEATER NO. 1 STACK	107/05/12/1981
H-3	REGENERATION GAS HEATER NO. 3	106.352/11/22/2012
H-3S	REGENERATION GAS HEATER NO. 3 STACK	107/05/12/1981
H-5	REGENERATION GAS HEATER NO. 5	7/11/05/1986
H-5S	REGENERATION GAS HEATER NO. 5 STACK	7/11/05/1986
LD-A	LOADING AREA A GASOLINE	72/05/08/1972
LD-B	LOADING AREA B	51/11/05/1986
LD-C	LOADING AREA C	51/11/05/1986
LD-D	LOADING AREA D	51/11/05/1986
LD-F	LOADING AREA F	53/11/05/1986

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
LD-G	LOADING AREA G	51/11/05/1986
LD-H	LOADING AREA H	53/11/05/1986
LD-I	LOADING AREA I	51/11/05/1986
LD-J	LOADING AREA J	51/11/05/1986
LD-K	LOADING AREA K	51/11/05/1986
LD-L	LOADING AREA L	106.352/09/04/2000
LD-M	LOADING AREA M	106.352/09/04/2000
OWSH-1	OIL-WATER SEPARATOR	70/05/08/1972
PRO-AMINE	ARMSTRONG GAS PLANT AMINE TREATING PROCESS	72/05/12/1981
PRO-FRAC1	ARMSTRONG I PLANT FRACTIONATION PROCESS	72/05/05/1976
PRO-FRAC2	ARMSTRONG II PLANT FRACTIONATION PROCESS	72/05/12/1981
PWSH-1	PARTS WASHER / DEGREASER	106.454/11/01/2001
STARTER	COMPRESSOR ENGINE STARTER	106.512/06/13/2001
T-107	CONDENSATE/PRODUCED WATER TANK 107	106.352/02/27/2011
T-501A	METHANOL TANK T-501A	106.352/02/27/2011
T-501B	METHANOL TANK T-501B	106.352/02/27/2011
T-501C	METHANOL TANK T-501C	106.352/02/27/2011
TANK 002	LEAN OIL TANK	58/05/08/1972
TANK 003	RUNDOWN WATER TANK	58/05/08/1972
TANK 004	PRODUCED WATER TANK	58/05/08/1972
TANK 005	DISTILLATE TANK	58/05/08/1972

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
TANK 006	GASOLINE STORAGE TANK	72/05/08/1972
TANK 007	AMINE MIX TANK	57/05/12/1981
TANK 008	AMINE STORAGE TANK	106.352/09/04/2000
TANK 009	ANTIFREEZE TANK	57/05/05/1976
TANK 010	BSW TANK	57/05/12/1981
TANK 012	4060 GAL DIESEL TANK	106.352/11/22/2012
TANK 013	GASOLINE TANK	64/05/08/1972
TANK 014	GLYCOL TANK	106.352/09/04/2000
TANK 015	HEAT MEDIUM OIL TANK	57/05/12/1981
TANK 016	HOT OIL MIX TANK	57/05/12/1981
TANK 017	LUBE OIL TANK 1	58/05/12/1981
TANK 018	LUBE OIL TANK 2	58/05/05/1976
TANK 019	LUBE OIL TANK 3	58/05/05/1976
TANK 020	LUBE OIL TANK 4	58/05/05/1976
TANK 021	LUBE OIL TANK 5	59/05/08/1972
TANK 022	LUBE OIL TANK 6	58/05/05/1976
TANK 023	LUBE OIL TANK 7	58/05/12/1981
TANK 024	LUBE OIL TANK 8	59/05/08/1972
TANK 025	R.O. WATER STORAGE TANK	58/05/08/1972
TANK 026	SLOP OIL TANK 1	59/05/08/1972, 106.352/11/22/2012
TANK 028	TRIGLYCOL TANK	106.352/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
TANK 029	1,270 GAL LUBE OIL TANK	106.352/11/22/2012
TL-1	SLOP OIL TRUCK LOADING	106.352/11/22/2012
TL-FUG	TRUCK LOADING FUGITIVES	106.352/11/22/2012
UNIT 184	TURBINE UNIT 184	82/12/01/1972
UNIT 184S	TURBINE UNIT 184 STACK	82/12/01/1972
UNIT 185S	CATERPILLAR, UNIT 185 STACK	106.512/06/13/2001
UNIT 186S	CATERPILLAR, UNIT 186 STACK	106.512/06/13/2001
UNIT 924	CENTAUR, UNIT 924	6/05/12/1981
UNIT 925	CENTAUR, UNIT 925	6/05/12/1981
UNIT 926	CENTAUR, UNIT 926	6/05/12/1981
UNIT 927	CENTAUR, UNIT 927	6/05/12/1981
UNIT 928	MEP-6, UNIT #928	6/05/12/1981
UNIT 929	MEP-6, UNIT #929	6/05/12/1981
UNIT 930	SATURN, UNIT #930	17457
UNIT 931	MEP-10, UNIT #931	6/05/05/1976
UNIT 932	MEP-10, UNIT #932	6/05/05/1976
UNIT 933	MEP-10, UNIT #933	6/05/05/1976

Appendix A

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Enterprise Hydrocarbons L.P.

AUTHORIZING THE OPERATION OF
Armstrong Gas Plant
Natural Gas Liquid Extraction

LOCATED AT
Dewitt County, Texas
Latitude 29° 8′ 2″ Longitude 97° 2′ 20″
Regulated Entity Number: RN100220078

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O3184 Issuance Date: _____

_____
For the Commission

Table of Contents

General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

    C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

    D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

    E. Emission units subject to 40 CFR Part 63, Subparts A, HH, ZZZZ, and DDDDD as identified in the attached Applicable Requirements Summary table are subject to 30 TAC

Chapter 113, Subchapter C, §§ 113.100, 113.390, 113.1090, and 113.1130, respectively, which incorporates the 40 CFR Part 63 Subpart by reference.

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

   A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

   B. Title 30 TAC § 101.3 (relating to Circumvention)

   C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

   D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

   E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

   F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

   G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

   H. Title 30 TAC § 101.221 (relating to Operational Requirements)

   I. Title 30 TAC § 101.222 (relating to Demonstrations)

   J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

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

   A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

      (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

      (ii) Title 30 TAC § 111.111(a)(1)(E)

      (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

      (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that

does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

  (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

  (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is

determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

4. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

5. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

6. For oil and natural gas production facilities as specified in 40 CFR Part 63, Subpart HH, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.390 incorporated by reference):

A. Title 40 CFR § 63.760(a)(1)(i) - (iii) (relating to Applicability and Designation of Affected Source)

B. Title 40 CFR § 63.775(d)(9) (relating to Reporting Requirements)

7. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

Additional Monitoring Requirements

8. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

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

A. Are incorporated by reference into this permit as applicable requirements

B. Shall be located with this operating permit

C. Are not eligible for a permit shield

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

11. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air

contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

12. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

13. Use of Discrete Emission Credits to comply with the applicable requirements:

    A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

        (i) Title 30 TAC Chapter 115

        (ii) Title 30 TAC Chapter 117

        (iii) If applicable, offsets for Title 30 TAC Chapter 116

        (iv) Temporarily exceed state NSR permit allowables

    B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

        (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

        (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

        (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

        (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

        (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Permit Location

14. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit off site at Enterprise Products, 1100 Louisiana, Houston, Texas 77002.

Permit Shield (30 TAC § 122.148)

15. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
DEHYVENT	GLYCOL DEHYDRATION	N/A	63HH-01	40 CFR Part 63, Subpart HH	No changing attributes.
EMERGEN	SRIC ENGINES	N/A	60JJJJ-03	40 CFR Part 60, Subpart JJJJ	No changing attributes.
EMERGEN	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FIREPUMP	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FL-1	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
FL-2	FLARES	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FL-2	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
FL-3	FLARES	N/A	R1111-02	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FUG KKK	FUGITIVE EMISSION UNITS	N/A	60KKK-03	40 CFR Part 60, Subpart KKK	No changing attributes.
FUG OOOOA	FUGITIVE EMISSION UNITS	N/A	60OOOOa	40 CFR Part 60, Subpart OOOOa	No changing attributes.
FUG-1	FUGITIVE EMISSION UNITS	N/A	63HH-01	40 CFR Part 63, Subpart HH	No changing attributes.
GO-FLARE1	FLARES	N/A	R1111-02	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GO-FLARE1	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
GO-FLARE1	FLARES	N/A	63A-02	40 CFR Part 63, Subpart A	No changing attributes.
GRP111A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	UNIT 184S	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP111B	EMISSION	BLCS1, BLCS2,	R1111-02	30 TAC Chapter 111, Visible	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	POINTS/STATIONARY VENTS/PROCESS VENTS	BOI-1S, C-1, C-15, C-2, C-3, C-4, C-5, C-6, C-7, C-8, C-9, DEHYBOIS, H-1S, H-3S, H-5S, STARTER, UNIT 185S, UNIT 186S		Emissions	
UNIT 924	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 925	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 926	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 927	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 930	STATIONARY TURBINES	N/A	60GG-02	40 CFR Part 60, Subpart GG	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
DEHYVENT	EU	63HH-01	112(B) HAPS	40 CFR Part 63, Subpart HH	§ 63.765(b)(1)(iii) § 63.11(b) § 63.764(a) § 63.764(j) § 63.765(b)(1)(iii)(A) § 63.771(c)(1) § 63.771(c)(2) § 63.771(f)(1) § 63.771(f)(1)(iii) § 63.771(f)(2) § 63.771(f)(2)(i) § 63.771(f)(2)(ii) [G]§ 63.773(c)(3) § 63.773(c)(4) [G]§ 63.773(c)(5) [G]§ 63.773(c)(6)	The owner or operator must limit BTEX emissions from each existing small glycol dehydration unit process vent, as defined in §63.761, to the limit determined in Equation 1 of this section. The limits determined using Equation 1 must be met in accordance with one of the alternatives specified in paragraphs (b)(1)(iii)(A) through (D) of this section.	[G]§ 63.772(c) § 63.772(d)(1) § 63.772(e) [G]§ 63.772(e)(2) § 63.772(e)(4)(ii) [G]§ 63.772(f) [G]§ 63.773(c)(2)(i) [G]§ 63.773(c)(2)(ii) [G]§ 63.773(d)(1) § 63.773(d)(3) § 63.773(d)(3)(i)(C) § 63.773(d)(3)(iii) § 63.773(d)(4) § 63.773(d)(6) § 63.773(d)(6)(i) § 63.773(d)(6)(iv) § 63.773(d)(7)	§ 63.771(e)(1) § 63.771(e)(2) § 63.771(e)(3)(i) [G]§ 63.774(b)(1) § 63.774(b)(10) § 63.774(b)(11) § 63.774(b)(2) [G]§ 63.774(b)(3) § 63.774(b)(4) § 63.774(b)(4)(i) § 63.774(b)(4)(ii)(A) § 63.774(b)(5) § 63.774(b)(6) § 63.774(b)(7) § 63.774(b)(7)(i) § 63.774(b)(7)(ii) § 63.774(b)(7)(iii) § 63.774(b)(7)(iv) § 63.774(b)(7)(v) § 63.774(b)(7)(vi) § 63.774(b)(7)(vii) § 63.774(b)(7)(viii) § 63.774(g)	§ 63.764(b) [G]§ 63.773(c)(2)(i) [G]§ 63.773(c)(2)(ii) [G]§ 63.775(b)(1) § 63.775(b)(2) § 63.775(b)(3) § 63.775(b)(4) § 63.775(b)(5) § 63.775(b)(6) § 63.775(d) § 63.775(d)(10) § 63.775(d)(11) [G]§ 63.775(d)(2) § 63.775(d)(6) § 63.775(d)(7) § 63.775(e) § 63.775(e)(1) § 63.775(e)(2) § 63.775(e)(2)(i) § 63.775(e)(2)(ii) § 63.775(e)(2)(ii)(A) § 63.775(e)(2)(ii)(D) § 63.775(e)(2)(iii) [G]§ 63.775(e)(2)(vii) § 63.775(e)(2)(viii) § 63.775(e)(2)(x) § 63.775(e)(2)(xi) [G]§ 63.775(f) § 63.775(g)(1)
EMERGEN	EU	60JJJJ-03	CO	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table 1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(i) [G]§ 60.4243(d) § 60.4243(g)	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than or equal to 100 HP and less than 130 HP and were manufactured on or after 01/01/2009 must comply with a CO emission limit of 387 g/HP-hr, as listed in	§ 60.4237(c) § 60.4243(b)(2)(i) § 60.4243(f) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(e)	§ 60.4243(b)(2)(i) § 60.4245(a) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4) § 60.4245(b)	§ 60.4245(d) [G]§ 60.4245(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						Table 1 to this subpart.			
EMERGEN	EU	60JJJJ-03	HC and NO_X	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table 1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(i) [G]§ 60.4243(d) § 60.4243(g)	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than or equal to 100 HP and less than 130 HP and were manufactured on or after 01/01/2009 must comply with an HC+NOx emission limit of 10 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4237(c) § 60.4243(b)(2)(i) § 60.4243(f) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(d)	§ 60.4243(b)(2)(i) § 60.4245(a) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4) § 60.4245(b)	§ 60.4245(d) [G]§ 60.4245(e)
EMERGEN	EU	63ZZZZ-03	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
FIREPUMP	EU	63ZZZZ-03	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
FL-1	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
FL-2	CD	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
FL-2	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
FL-3	CD	R1111-02	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						§101.222(b).			
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in light liquid service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k)	Comply with the requirements for connectors as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d)	Comply with the requirements for pressure relief devices in light liquid service as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9(a) § 60.482-9(b) § 60.486(k)				
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in gas/vapor service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a)	Comply with the requirements for pumps in light liquid service as stated in §60.482-2 and §60.482-1(a), (b) and (d), except as provided in §60.633.	[G]§ 60.482-2(a) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k)				
FUG OOOOA	EU	60OOOOa	VOC	40 CFR Part 60, Subpart OOOOa	§ 60.5400a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-6a(a)(1) § 60.482-6a(a)(2) § 60.482-6a(b) § 60.482-6a(c) § 60.482-6a(d) § 60.482-6a(e) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.5370a(a) § 60.5370a(b) § 60.5400a(a) § 60.5400a(d) § 60.5400a(e) § 60.5400a(f) § 60.5410a § 60.5410a(f) § 60.5415a(f)	Except as provided in §60.5401 open-ended valves or lines must comply with the requirements of §60.482-6a. Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, except as provided in §60.482-1a(c) and paragraphs §60.482-6a(d) and §60.482-6a(e) of this section.	§ 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(d) § 60.485a(d)(2) § 60.485a(d)(3) [G]§ 60.5401a(f) § 60.5401a(g)	§ 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e) § 60.5420a(a) § 60.5420a(a)(1) § 60.5422a(a)
FUG OOOOA	EU	60OOOOa	VOC	40 CFR Part 60, Subpart OOOOa	§ 60.5400a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-7a(a)(1) [G]§ 60.482-7a(a)(2) § 60.482-7a(b) [G]§ 60.482-7a(c) [G]§ 60.482-7a(d) [G]§ 60.482-7a(e) [G]§ 60.482-7a(f)	Except as provided in §60.5401 valves in gas/vapor service or light liquid service must comply with the requirements of §60.482-7a. At a valve in gas/vapor service or light liquid service, if an instrument reading of 500 ppm or greater is measured, a leak is detected.	§ 60.482-1a(f)(1) § 60.482-1a(f)(2) [G]§ 60.482-1a(f)(3) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) § 60.485a(d) § 60.485a(d)(2) § 60.485a(d)(3) [G]§ 60.485a(e)	§ 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) [G]§ 60.486a(e)(8) § 60.486a(f) § 60.486a(f)(1)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(2) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(ii) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-7a(g) [G]§ 60.482-7a(h) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.5370a(a) § 60.5370a(b) § 60.5400a(a) § 60.5400a(d) § 60.5400a(e) § 60.5400a(f) § 60.5401a(d) § 60.5410a § 60.5410a(f) § 60.5415a(f)		[G]§ 60.5401a(f) § 60.5401a(g)	§ 60.486a(f)(2)	§ 60.487a(e) § 60.5420a(a) § 60.5420a(a)(1) § 60.5422a(a)
FUG OOOOA	EU	60OOOOa	VOC	40 CFR Part 60, Subpart OOOOa	§ 60.5400a(a) § 60.482-11a(b)(2) § 60.482-11a(b)(3) § 60.482-11a(b)(3)(i) § 60.482-11a(d) [G]§ 60.482-11a(e) [G]§ 60.482-11a(f)(1) § 60.482-11a(f)(2) § 60.482-11a(g) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.5370a(a) § 60.5370a(b) § 60.5400a(a)	Except as provided in §60.5401 connectors in gas and vapor and light liquid service must comply with the requirements of §60.482-11a. If an instrument reading greater than or equal to 500 ppm is measured in connectors in gas and vapor and light liquid service, a leak is detected.	§ 60.482-11a(a) § 60.482-11a(b) § 60.482-11a(b)(1) § 60.482-11a(b)(3) § 60.482-11a(b)(3)(ii) [G]§ 60.482-11a(b)(3)(iii) § 60.482-11a(b)(3)(iv) § 60.482-11a(c) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(d) § 60.485a(d)(2) § 60.485a(d)(3) [G]§ 60.485a(e) [G]§ 60.5401a(f)	§ 60.482-11a(b)(3)(v) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8) § 60.486a(e)(9) § 60.486a(f) § 60.486a(f)(1)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(5) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(vii) § 60.487a(c)(2)(viii) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e) § 60.5420a(a) § 60.5420a(a)(1) § 60.5422a(a)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.5400a(d) § 60.5400a(e) § 60.5400a(f) § 60.5401a(d) § 60.5410a § 60.5410a(f) § 60.5415a(f)		§ 60.5401a(g)		
FUG-1	EU	63HH-01	112(B) HAPS	40 CFR Part 63, Subpart HH	§ 63.764(e)(2)(i) § 63.764(a) § 63.764(e)(2) § 63.764(j)	Any ancillary equipment or compressors that contain or contact a fluid with a total VHAP concentration of <10% by weight are exempt from the equipment leak requirements of § 63.764(c)(3).	[G]§ 63.772(a)	§ 63.774(d)(2) § 63.774(d)(2)(i)	None
GO-FLARE1	CD	R1111-02	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
GO-FLARE1	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
GO-FLARE1	CD	63A-02	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(8)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part	§ 63.11(b)(4) § 63.11(b)(5)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						60 of this chapter shall be used.			
GRP111A	EP	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRP111B	EP	R1111-02	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
UNIT 924	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 925	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 926	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 927	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 930	EU	60GG-02	NO_X	40 CFR Part 60, Subpart GG	§ 60.332(a)(2) § 60.332(a)(3) § 60.332(k)	No owner or operator shall discharge into the atmosphere from any stationary gas turbine, any	[G]§ 60.335(a) § 60.335(b)(1) § 60.335(b)(2) § 60.335(c)(1)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						gases which contain nitrogen oxides in excess of the amount as determined from the specified equation.	** See Periodic Monitoring Summary		
UNIT 930	EU	60GG-02	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP111A	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: N/A	
Deviation Limit: If alternative fuel is fired for > 24 consecutive hours, report as a deviation, or conduct observation using Test Method 22. Report as a deviation if visible emissions are observed using Test Method 22 and opacity > 30% using Test Method 9.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP111B	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-02
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: N/A	
Deviation Limit: If alternative fuel is fired for > 24 consecutive hours, report as a deviation, or conduct observation using Test Method 22. Report as a deviation if visible emissions are observed using Test Method 22 and opacity > 20% using Test Method 9.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 930	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG-02
Pollutant: NO_X	Main Standard: § 60.332(a)(2)
Monitoring Information	
Indicator: Fuel Consumption	
Minimum Frequency: once per week	
Averaging Period: N/A	
Deviation Limit: 2.428 MMscf per week	
Periodic Monitoring Text: Measure and record fuel consumption. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 930	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG-02
Pollutant: NO_X	Main Standard: § 60.332(a)(2)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: every 15,000 hours of operation	
Averaging Period: N/A	
Deviation Limit: Maximum NOX Concentration = 150 ppm	
Periodic Monitoring Text: Measure and record the nitrogen oxides concentration of the exhaust gas on a biennial calendar basis using the method specified in 30 TAC § 117.8000(c). The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Permit Shield

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
AMNVENT	N/A	30 TAC Chapter 112, Sulfur Compounds	The sweetening unit is not a sulfur recovery plant.
AMNVENT	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
AMNVENT	N/A	40 CFR Part 60, Subpart LLL	The facility does not process sour natural gas.
AMNVENT	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
BOI-1	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
BOI-1	N/A	40 CFR Part 60, Subpart D	Heat input rate is less than 250 MMBtu/hr.
BOI-1	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
BOI-1	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
BOI-1	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/9/1989.
CT-1	N/A	40 CFR Part 63, Subpart Q	Cooling tower does not use chromium compounds after 09/08/1994.
DEHYBOI	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
DEHYBOI	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
DEHYBOI	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
DEHYBOI	N/A	40 CFR Part 60, Subpart Db	Heat input capacity is less than 100 MMBtu/hr.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
DEHYBOI	N/A	40 CFR Part 60, Subpart Dc	Heat input capacity is less than 10 MMBtu/hr.
DEHYVENT	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
FLSHTNK	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
FLSHTNK	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified before 06/11/1973.
FLSHTNK	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified before 05/18/1978.
FLSHTNK	N/A	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 07/23/1984.
FLSHTNK	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
FUG	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not located in an applicable ozone non-attainment county.
FUG	N/A	40 CFR Part 60, Subpart KKK	Facility did not commence construction, reconstruction or modification after 1/20/1984.
FUG-1	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not located in an applicable ozone non-attainment county.
FUG-1	N/A	40 CFR Part 60, Subpart KKK	The facility is not a natural gas processing plant as defined in 60.631.
FUG-1	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GLYTANK	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GLYTANK	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GLYTANK	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
GLYTANK	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
GLYTANK	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
GLYTANK	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRP111B	BLCS1, BLCS2, BOI-1S, C-1, C-15, C-2, C-3, C-4, C-5, C-6, C-7, C-8, C-9, DEHYBOIS, H-1S, H-3S, H-5S, STARTER, UNIT 185S, UNIT 186S	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county/area.
GRPLOAD	LD-A, LD-B, LD-C, LD-D, LD-F, LD-G, LD-H, LD-I, LD-J, LD-K, LD-L, LD-M, TL-1	30 TAC Chapter 115, Loading and Unloading of VOC	Loading and unloading of VOC (except gasoline) is exempt in De Witt County.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified before 6/11/1973.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified before 5/18/1978.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart Ka	Capacity is less than 40,000 gallons.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
H-1	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
H-1	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-1	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
H-1	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-1	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/09/1989.
H-3	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
H-3	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-3	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
H-3	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-3	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/9/1989.
H-5	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
H-5	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-5	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
H-5	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-5	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/09/1989.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OWSH-1	N/A	30 TAC Chapter 115, Water Separation	Facility is not located in a Chapter 115 applicable county.
PRO-AMINE	N/A	30 TAC Chapter 112, Sulfur Compounds	The sweetening unit is not a sulfur recovery plant.
PRO-AMINE	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
PRO-AMINE	N/A	40 CFR Part 60, Subpart LLL	The facility does not process sour natural gas.
PRO-AMINE	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
PRO-FRAC1	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
PRO-FRAC2	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
PWSH-1	N/A	30 TAC Chapter 115, Degreasing Processes	Facility is not located in a Chapter 115 applicable county.
PWSH-1	N/A	40 CFR Part 63, Subpart T	Halogenated HAPs are not used for solvent cleaning.
T-107	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-107	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-107	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-107	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-107	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
T-107	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501A	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501A	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501A	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-501A	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501A	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501A	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501B	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501B	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501B	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-501B	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501B	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501B	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501C	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501C	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501C	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-501C	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501C	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501C	N/A	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
TL-FUG	N/A	40 CFR Part 60, Subpart KKK	Truck loading equipment is not part of a natural gas processing plant as defined in §60.631.
TL-FUG	N/A	40 CFR Part 63, Subpart HH	Truck loading equipment is not part of a natural gas processing plant as defined in §60.761.
UNIT 184	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 184	N/A	40 CFR Part 60, Subpart GG	Constructed, reconstructed, or modified before October 3, 1977.
UNIT 184	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
UNIT 184	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 924	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 924	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 924	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 925	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 925	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 925	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 926	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 926	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 926	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 927	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
UNIT 927	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 927	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 928	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 928	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 928	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 929	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 929	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 929	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 930	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 930	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 930	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			turbine constructed or reconstructed before 01/14/2003.
UNIT 931	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 931	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 931	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 932	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 932	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 932	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 933	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 933	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 933	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.

New Source Review Authorization References

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 17457	Issuance Date:
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 6	Version No./Date: 05/05/1976
Number: 6	Version No./Date: 05/12/1981
Number: 7	Version No./Date: 11/05/1986
Number: 9	Version No./Date: 05/08/1972
Number: 51	Version No./Date: 11/05/1986
Number: 53	Version No./Date: 11/05/1986
Number: 57	Version No./Date: 05/05/1976
Number: 57	Version No./Date: 05/12/1981
Number: 58	Version No./Date: 05/08/1972
Number: 58	Version No./Date: 05/05/1976
Number: 58	Version No./Date: 05/12/1981
Number: 59	Version No./Date: 05/08/1972
Number: 64	Version No./Date: 05/08/1972
Number: 66	Version No./Date: 11/05/1986
Number: 70	Version No./Date: 05/08/1972
Number: 72	Version No./Date: 05/08/1972
Number: 72	Version No./Date: 05/05/1976
Number: 72	Version No./Date: 05/12/1981
Number: 82	Version No./Date: 12/01/1972
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.352	Version No./Date: 09/04/2000
Number: 106.352	Version No./Date: 02/27/2011
Number: 106.352	Version No./Date: 02/02/2012
Number: 106.352	Version No./Date: 11/22/2012
Number: 106.355	Version No./Date: 11/01/2001
Number: 106.359	Version No./Date: 09/10/2013
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.492	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Number: 106.512	Version No./Date: 06/13/2001
Number: 107	Version No./Date: 05/12/1981

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
AMNVENT	ARMSTRONG INLET ACID GAS VENT	106.352/09/04/2000
BLCS1	BLOWCASE VESSEL 1	106.352/02/27/2011
BLCS2	BLOWCASE VESSEL 2	106.352/02/27/2011
BOI-1	AMINE STEAM REBOILER HEATER	106.352/09/04/2000, 106.352/11/22/2012
BOI-1S	AMINE STEAM REBOILER HEATER STACK	106.352/09/04/2000, 106.352/11/22/2012
C-1	MEP-10, UNIT #931 STACK	6/05/05/1976
C-15	SATURN, UNIT #930 STACK	17457
C-2	MEP-10, UNIT #932 STACK	6/05/05/1976
C-3	MEP-10, UNIT #933 STACK	6/05/05/1976
C-4	CENTAUR, UNIT #924 STACK	6/05/12/1981
C-5	CENTAUR, UNIT #925 STACK	6/05/12/1981
C-6	CENTAUR, UNIT #926 STACK	6/05/12/1981
C-7	CENTAUR, UNIT #927 STACK	6/05/12/1981
C-8	MEP-6, UNIT #928 STACK	6/05/12/1981
C-9	MEP-6, UNIT #929 STACK	6/05/12/1981
CT-1	COOLING TOWER	9/05/08/1972
DEHYBOI	DEHYDRATOR REBOILER HEATER	106.352/09/04/2000, 106.352/11/22/2012
DEHYBOIS	DEHYDRATOR REBOILER HEATER STACK	106.352/09/04/2000, 106.352/11/22/2012
DEHYVENT	ARMSTRONG INLET GLYCOL DEHYDRATION UNIT VENT	106.352/09/04/2000
EMERGEN	EMERGENCY GENERATOR	106.511/09/04/2000
FIREPUMP	FIREPUMP ENGINE	106.511/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
FL-1	PLANT FLARE NO. 1	106.352/11/22/2012, 106.492/09/04/2000
FL-2	PLANT FLARE NO. 2	106.352/11/22/2012, 106.492/09/04/2000
FL-3	PLANT FLARE NO. 3	106.352/11/22/2012, 106.492/09/04/2000
FLSHTNK	CONDENSATE FLASH TANK	106.352/02/02/2012
FUG	PLANT FUGITIVES	66/11/05/1986
FUG KKK	PLANT FUGITIVES KKK	106.352/09/04/2000, 106.352/11/22/2012
FUG OOOOA	PLANT FUGITIVES OOOOA	106.352/11/22/2012
FUG-1	ARMSTRONG INLET FUGITIVES	106.352/09/04/2000, 106.352/11/22/2012
GLYTANK	TRIETHYLENE GLYCOL TANK	106.352/02/27/2011
GO-FLARE1	FACILITY FLARE	106.352/11/22/2012, 106.492/09/04/2000
H-1	REGENERATION GAS HEATER NO. 1	106.352/11/22/2012
H-1S	REGENERATION GAS HEATER NO. 1 STACK	107/05/12/1981
H-3	REGENERATION GAS HEATER NO. 3	106.352/11/22/2012
H-3S	REGENERATION GAS HEATER NO. 3 STACK	107/05/12/1981
H-5	REGENERATION GAS HEATER NO. 5	7/11/05/1986
H-5S	REGENERATION GAS HEATER NO. 5 STACK	7/11/05/1986
LD-A	LOADING AREA A GASOLINE	72/05/08/1972
LD-B	LOADING AREA B	51/11/05/1986
LD-C	LOADING AREA C	51/11/05/1986
LD-D	LOADING AREA D	51/11/05/1986
LD-F	LOADING AREA F	53/11/05/1986

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
LD-G	LOADING AREA G	51/11/05/1986
LD-H	LOADING AREA H	53/11/05/1986
LD-I	LOADING AREA I	51/11/05/1986
LD-J	LOADING AREA J	51/11/05/1986
LD-K	LOADING AREA K	51/11/05/1986
LD-L	LOADING AREA L	106.352/09/04/2000
LD-M	LOADING AREA M	106.352/09/04/2000
OWSH-1	OIL-WATER SEPARATOR	70/05/08/1972
PRO-AMINE	ARMSTRONG GAS PLANT AMINE TREATING PROCESS	72/05/12/1981
PRO-FRAC1	ARMSTRONG I PLANT FRACTIONATION PROCESS	72/05/05/1976
PRO-FRAC2	ARMSTRONG II PLANT FRACTIONATION PROCESS	72/05/12/1981
PWSH-1	PARTS WASHER / DEGREASER	106.454/11/01/2001
STARTER	COMPRESSOR ENGINE STARTER	106.512/06/13/2001
T-107	CONDENSATE/PRODUCED WATER TANK 107	106.352/02/27/2011
T-501A	METHANOL TANK T-501A	106.352/02/27/2011
T-501B	METHANOL TANK T-501B	106.352/02/27/2011
T-501C	METHANOL TANK T-501C	106.352/02/27/2011
TANK 002	LEAN OIL TANK	58/05/08/1972
TANK 003	RUNDOWN WATER TANK	58/05/08/1972
TANK 004	PRODUCED WATER TANK	58/05/08/1972
TANK 005	DISTILLATE TANK	58/05/08/1972

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
TANK 006	GASOLINE STORAGE TANK	72/05/08/1972
TANK 007	AMINE MIX TANK	57/05/12/1981
TANK 008	AMINE STORAGE TANK	106.352/09/04/2000
TANK 009	ANTIFREEZE TANK	57/05/05/1976
TANK 010	BSW TANK	57/05/12/1981
TANK 012	4060 GAL DIESEL TANK	106.352/11/22/2012
TANK 013	GASOLINE TANK	64/05/08/1972
TANK 014	GLYCOL TANK	106.352/09/04/2000
TANK 015	HEAT MEDIUM OIL TANK	57/05/12/1981
TANK 016	HOT OIL MIX TANK	57/05/12/1981
TANK 017	LUBE OIL TANK 1	58/05/12/1981
TANK 018	LUBE OIL TANK 2	58/05/05/1976
TANK 019	LUBE OIL TANK 3	58/05/05/1976
TANK 020	LUBE OIL TANK 4	58/05/05/1976
TANK 021	LUBE OIL TANK 5	59/05/08/1972
TANK 022	LUBE OIL TANK 6	58/05/05/1976
TANK 023	LUBE OIL TANK 7	58/05/12/1981
TANK 024	LUBE OIL TANK 8	59/05/08/1972
TANK 025	R.O. WATER STORAGE TANK	58/05/08/1972
TANK 026	SLOP OIL TANK 1	59/05/08/1972, 106.352/11/22/2012
TANK 028	TRIGLYCOL TANK	106.352/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
TANK 029	1,270 GAL LUBE OIL TANK	106.352/11/22/2012
TL-1	SLOP OIL TRUCK LOADING	106.352/11/22/2012
TL-FUG	TRUCK LOADING FUGITIVES	106.352/11/22/2012
UNIT 184	TURBINE UNIT 184	82/12/01/1972
UNIT 184S	TURBINE UNIT 184 STACK	82/12/01/1972
UNIT 185S	CATERPILLAR, UNIT 185 STACK	106.512/06/13/2001
UNIT 186S	CATERPILLAR, UNIT 186 STACK	106.512/06/13/2001
UNIT 924	CENTAUR, UNIT 924	6/05/12/1981
UNIT 925	CENTAUR, UNIT 925	6/05/12/1981
UNIT 926	CENTAUR, UNIT 926	6/05/12/1981
UNIT 927	CENTAUR, UNIT 927	6/05/12/1981
UNIT 928	MEP-6, UNIT #928	6/05/12/1981
UNIT 929	MEP-6, UNIT #929	6/05/12/1981
UNIT 930	SATURN, UNIT #930	17457
UNIT 931	MEP-10, UNIT #931	6/05/05/1976
UNIT 932	MEP-10, UNIT #932	6/05/05/1976
UNIT 933	MEP-10, UNIT #933	6/05/05/1976

Appendix A

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Tuesday, December 10, 2024 9:10 AM
To: Samantha Mendez
Cc: Rhyan Stone; Bissonnette, Daniel
Subject: RE: Technical Review -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Received.

Thanks

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

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Tuesday, December 10, 2024 9:06 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>
Subject: [EXTERNAL] Technical Review -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Mr. Quesada,

I have been assigned to the Federal Operating Permit (FOP) initial renewal application of Permit No. O3184 for Enterprise Hydrocarbons LP, Armstrong Gas Plant. This application has been assigned Project No. 37417. Please address all correspondence pertaining to this permit application, including any updates, to me at the address below, and use both the Permit and Project reference numbers above to facilitate tracking.

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

a. NSR permit and PBR monitoring sufficiency –please refer to our periodic monitoring guidance for reference of monitoring that EPA has, so far, considered sufficient.

b. Reference to confidential business information (CBI) in NSR permits and PBR submittals.
c. High level terms in the SOP Applicable Requirement Summary Table. The high-level terms are sometimes used in SOPs when unit attribute forms have not yet been updated due to regulatory amendments.
d. Accuracy of PBR information provided on the supplemental table and in the permit – please refer to Forms OP-PBRSUP and OP-REQ1 Instructions.

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

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

Please notify me when these updates have been submitted.

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

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

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

Thank you for your cooperation.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Tuesday, December 10, 2024 9:10 AM
To: Samantha Mendez
Cc: Rhyan Stone; Bissonnette, Daniel
Subject: RE: Technical Review -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Received.

Thanks

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

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Tuesday, December 10, 2024 9:06 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>
Subject: [EXTERNAL] Technical Review -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Mr. Quesada,

I have been assigned to the Federal Operating Permit (FOP) initial renewal application of Permit No. O3184 for Enterprise Hydrocarbons LP, Armstrong Gas Plant. This application has been assigned Project No. 37417. Please address all correspondence pertaining to this permit application, including any updates, to me at the address below, and use both the Permit and Project reference numbers above to facilitate tracking.

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

a. NSR permit and PBR monitoring sufficiency –please refer to our periodic monitoring guidance for reference of monitoring that EPA has, so far, considered sufficient.

b. Reference to confidential business information (CBI) in NSR permits and PBR submittals.
c. High level terms in the SOP Applicable Requirement Summary Table. The high-level terms are sometimes used in SOPs when unit attribute forms have not yet been updated due to regulatory amendments.
d. Accuracy of PBR information provided on the supplemental table and in the permit – please refer to Forms OP-PBRSUP and OP-REQ1 Instructions.

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

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

Please notify me when these updates have been submitted.

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

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

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

Thank you for your cooperation.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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From: Samantha Mendez
Sent: Tuesday, December 10, 2024 9:06 AM
To: dequesada@eprod.com
Cc: Rhyan Stone
Subject: Technical Review -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

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Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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9. TCEQ FORM OP-UA2

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 4)
Federal Operating Permit Program
Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
Unit 928	63ZZZZ.01	MA.IOR	500+	02-		NORMAL	2SLB
Unit 929	63ZZZZ-01	MAJOR	500+	02-		NORMAL	25LB
Unit 931	63ZZZZ-01	MAJOR	500+	02-		NORMAL	2SLB
Unit 932	63ZZZZ-01	MAJOR	500+	02-		NORMAL	2SLB
Unit 933	63ZZZZ-01	MAJOR	500+	02-		NORMAL	2SLB
EMERGEN	63ZZZZ-03	MAJOR	100-250	06+		EMER-A	
FIREPUMP	63ZZZZ-03	MAJOR	100-250	06+		EMER.A	

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 5)
Federal Operating Permit Program
Table 2b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Operating Hours	Different Schedule	Emission Limitation	Displacement
Unit 928	63Z2ZZ-01					
Unit 929	63ZZZZ-01					
Unit 931	63ZZZZ-01					
Unit 932	632ZZZ-01					
Unit 933	63ZZZZ-01					
EMERGEN	63ZZZZ-03					
FIREPUMP	63ZZZZ-03					

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 6)
Federal Operating Permit Program
Table 2c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary 32BReciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Crankcase	Performance Test	Control Technique	Operating Limits	Monitoring System
Unit 928	63Z2ZZ-01					
Unit 929	63ZZZZ-01					
Unit 931	63ZZZZ-01					
Unit 932	632ZZZ-01					
Unit 933	63ZZZZ-01					
EMERGEN	63ZZZZ-03					
FIREPUMP	63ZZZZ-03					

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 8)
Federal Operating Permit Program
Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Construction/ Reconstruction/ Modification Date	Test Cell	Exemption	Temp Replacement	Horsepower	Fuel	AEL No.	Lean Burn	Commencing
Unit 928	60JJJJ-01	NO								
Unit 929	60JJJJ-01	NO								
Unit 931	60JJJJ-01	NO								
Unit 932	60JJJJ-01	NO								
Unit 933	60JJJJ-01	NO								
UNIT-185	60JJJJ-02	YES	NO	NONE	NO	1350+	NATGAS			CON
UNIT-186	60JJJJ-02	YES	NO	NONE	NO	1350+	NATGAS			CON
EMERGEN	60JJJJ-03	YES	NO	NONE	NO	100-130E	NATGAS		NO	CON
FIREPUMP	60JJJJ-04	YES	NO	NONE	NO	100-130E	NATGAS		NO	CON

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 9)
Federal Operating Permit Program
Table 4b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Displacement	Certified	Operation	Certified Modification	Service	Severe Duty	Optional Compliance
Unit 928	60JJJJ-01								
Unit 929	60JJJJ-01								
Unit 931	60JJJJ-01								
Unit 932	60JJJJ-01								
Unit 933	60JJJJ-01								
UNIT-185	60JJJJ-02	N07-0610-		NO			NON		
UNIT-186	60JJJJ-02	N07-0610-		NO			NON		
EMERGEN	60JJJJ-03	N0109+E		NO			EMERG		
FIREPUMP	60JJJJ-04	N0109-E							

10. TCEQ FORM OP-UA3

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 1)
Federal Operating Permit Program
Table 1: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart K: Standards of Performance for Storage Vessels for Petroleum Liquids
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Construction/ Modification Date	Storage Capacity	Product Stored	True Vapor Pressure	Storage Vessel Description	Reid Vapor Pressure	Maximum TVP	Estimated TVP	Control Device ID No.
GRPTKI	60K-01	73-								
GRPTK2	60K-02									
GRPTK3	60K-02									
GRPTK4	60K-02									
FLSHTNK	60K-05	73-								
T-107	60K-02									

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
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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.
GRPTKI	60Ka-01									
GRPTK2	60Ka-02	OTHER2								
GRPTK3	60Ka-03	PTLQ-2	40K-							
GRPTK4	60Ka-01									
FLSHTNK	60Ka-01									
T-107	60Ka-01									

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

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	WW Tank Control	Maximum TVP	Storage Vessel Description	AMEL ID No.	Guidepole	Reid Vapor Pressure	Control Device ID No.
GRPTKI	60Kb-01									
GRPTK2	60Kb-01									
GRPTK3	60Kb-01									
GRPTK4	60Kb-01	VOL	10K-20K							
FLSHTNK	60Kb-01									
T-107	60Kb-01	PTCD-BF3	420K-							

11. TCEQ FORM OP-UA6

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 1)
Federal Operating Permit Program
Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart D: Standards of Performance for Fossil Fuel-Fired Steam Generators
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Construction/ Modification Date	Covered Under Subpart Da or KKKK	Changes to Existing Affected Facility	Heat Input Rate	Alternate 42C	PM CEMS	Opacity Monitoring	Gas/Liquid Fuel	Fuels with 0.33 % or Less Sulfur	Specific Site
DEHYBOI	60D-01	78+	NO	NO	250-						
BOI-1	60D-01	78+	NO	NO	250-						
H-1	60D-01	78+	NO	NO	250-						
H-3	60D-01	78+	NO	NO	250-						
H-5	60D-01	78+	NO	NO	250-						

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 6)
Federal Operating Permit Program
Table 3a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Construction/Modification Date	Heat Input Capacity	Subpart Da	Changes to Existing Affected Facility	Subpart Ea, Eb, or AAAA	Subpart KKKK	Subpart Cb or BBBB
DEHYBOI	60D-01	05+CR	100-					
BOI-1	60D-02	84-						
H-1	60D-02	84-						
H-3	60D-02	84-						
H-5	60D-02	84-						

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 11)
Federal Operating Permit Program
Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Dc: Standards of Performance for Industrial-Commercial Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Construction/ Modification Date	Maximum Design Heat Input Capacity	Applicability	Heat Input Capacity	D-Series Fuel Type	D-Series Fuel Type	D-Series Fuel Type	ACF Option SO_2	ACF Option PM	30% Coal Duct Burner
DEHYBOI	60D-01	05+	10-								
BOI-1	60D-02	89-									
H-1	60D-02	89-									
H-3	60D-02	89-									
H-5	60D-02	89-									

12. TCEQ FORM OP-UA7

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 1)
Federal Operating Permit Program
Table 1: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Control of Air Pollution from Visible Emissions and Particulate Matter

Date	Permit No.:	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No	Acid Gases Only	Emergency/Upset Conditions Only	Alternate Opacity Limitation (AOL)	AOL ID No.	Construction Date
FL-1	R1111-01	NO	YES			
FL-2	R1111-01	NO	NO			
FL-3	R1111-02	NO	NO	NO		72+
GO-FLARE1	R1111-02	NO	NO	NO		72+

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 3)
Federal Operating Permit Program
Table 3: Title 40 Code of Federal Regulations Part 60 and 61 (40 CFR Part 60 and 40 CFR Part 61)
Subpart A: General Provisions of Standards of Performance for New Stationary Sources and National Emission Standards for Hazardous Air Pollutants

Date	Permit No.:	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Subject to 40 CFR §60.18	Adhering to Heat Content Specifications	Flare Assist Type	Flare Exit Velocity	Heating Value of Gas
FL-1	60A-01	YES	YES	NONE	60-	
FL-2	60A-01	YES	YES	NONE	60-	
FL-3	60A-01	NO				
GO-FLARE1	60A-01	YES	YES	NONE	60-	

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 4)
Federal Operating Permit Program
Table 4: Title 40 Code of Federal Regulations Part 63
Subpart A: General Provisions of National Emission Standards for Hazardous Air Pollutants for Source Categories

Date	Permit No.:	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Required Under 40 CFR Part 63	Heat Content Specification	Flare Assist Type	Flare Exit Velocity	Heating Value of Gas
FL-1	63A-01	NO				
FL-2	63A-01	NO				
FL-3	63A-01	NO				
GO-FLARE1	63A-02	YES	YES	AIR		

13. TCEQ FORM OP-UA10

Gas Sweetening/Sulfur Recovery Unit Attributes
Form OP-UA10 (Page 1)
Federal Operating Permit Program
Table 1: Title 30 Texas Administrative Code Chapter 112 (30 TAC Chapter 112)
Control of Air Pollution from Sulfur Compounds
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Process ID No.	SOP/GOP Index No.	Sulfur Recovery Plant	Stack Height	Emission Point ID No.
PRO-AMINE	R112-01	NO		
AMNVENT	R112-01	NO		

14. TCEQ FORM OP-UA11

Stationary Turbine Attributes
Form OP-UA11 (Page 1)
Federal Operating Permit Program
Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GG: Stationary Gas Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Peak Load Heat Input	Construction/ Modification Date	Turbine Cycle	Subpart GG Service Type	Federal Register	Manufacturer's Rated Base Load
Unit 924	60GG-01	10-100	77-82	SIMPLE	OTHER		
Unit 925	60GG-01	10-100	77-82	SIMPLE	OTHER		
Unit 926	60GG-01	10-100	77-82	SIMPLE	OTHER		
Unit 927	60GG-01	10-100	77-82	SIMPLE	OTHER		
Unit 930	60GG-02	10-100	82-04	SIMPLE	OTHER		
Unit 184	60GG-03	10-100	77-				

Stationary Turbine Attributes
Form OP-UA11 (Page 2)
Federal Operating Permit Program
Table 1b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GG: Stationary Gas Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	NO_x Control Method	NO_x Monitoring Method	Alternative Monitoring ID No.	Regulated Under Part 75	Turbine Combustion Process	CEMS Performance Evaluation
Unit 924	60GG-01						
Unit 925	60GG-01						
Unit 926	60GG-01						
Unit 927	60GG-01						
Unit 930	60GG-02	NONE	NONE				
Unit 184	60GG-03						

Stationary Turbine Attributes
Form OP-UA11 (Page 3)
Federal Operating Permit Program
Table 1c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GG: Stationary Gas Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Duct Burner	NO_x Allowance	Sulfur Content	Fuel Type Fired	Fuel Supply	Fuel Monitoring Schedule	Custom Fuel Monitoring ID No.
Unit 924	60GG-01		NO	YES	NG	NONE	331U	
Unit 925	60GG-01		NO	YES	NG	NONE	331U	
Unit 926	60GG-01		NO	YES	NG	NONE	331U	
Unit 927	60GG-01		NO	YES	NG	NONE	331U	
Unit 930	60GG-02		NO	YES	NG	NONE	331U	
Unit 184	60GG-03		NO	YES	NG	NONE	331U	

Stationary Turbine Attributes
Form OP-UA11 (Page 11)
Federal Operating Permit Program
Table 5: Title 40 Code of Federal Regulations, Part 63 (40 CFR, Part 63)
Subpart YYYY: National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Construction/ Reconstruction Date	Rated Peak Power Output	Type of Service	Fuel Fired	Turbine Combustion Process	Oxidation Catalyst	Alternate Limitations	Previous Performance Test	Distillate Oil Fired
Unit 924	63YYYY-01	03-								
Unit 925	63YYYY-01	03-								
Unit 926	63YYYY-01	03-								
Unit 927	63YYYY-01	03-								
Unit 930	63YYYY-01	03-								
Unit 184	63YYYY-01	03-								

Stationary Turbine Attributes
Form OP-UA11 (Page 12)
Federal Operating Permit Program
Table 6a: Title 40 Code of Federal Regulations (40 CFR Part 60)
Subpart KKKK: Stationary Combustion Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Unit Type	Construction/Modification Date	Heat Input	Subject to Da	Service Type	NO_x Standard	Fuel Type
Unit 924	60KKKK-01	SIMPLE	2005-					
Unit 925	60KKKK-01	SIMPLE	2005-					
Unit 926	60KKKK-01	SIMPLE	2005-					
Unit 927	60KKKK-01	SIMPLE	2005-					
Unit 930	60KKKK-01	SIMPLE	2005-					
Unit 184	60KKKK-01	SIMPLE	2005-					

15. TCEQ FORM OP-UA12

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 1)
Federal Operating Permit Program
Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Facility Type	Construction/ Modification Date	Facility Covered by 40 CFR Part 60, Subparts VV or GGG	Title 40 CFR Part 60, Subpart KKK Fugitives Unit Components				
					Compressors	Reciprocating Compressor in Wet Gas Service	AMEL	AMEL ID No.	Complying with § 60.482-3
FUG	60KKK-01	GROUP	84-						
FUG-1	60KKK-02	OTHER							
FUG-KKK	60KKK-03	GROUP	84-11	NO	NO	NO			NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 2)
Federal Operating Permit Program
Table 1b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)					
		Any Component		Pumps			
		Vacuum Service	Non-VOC or Non-Wet Gas Service	Light Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-2
FUG	60KKK-01						
FUG-1	60KKK-02						
FUG-KKK	60KKK-03	NO	NO	YES	NO		YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 3)
Federal Operating Permit Program
Table 1c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit No.	SOP Index No.	Title 30 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)							
		Pumps (continued)					Pressure Relief Device		
		Heavy Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-8	Gas/Vapor Service	AMEL	AMEL ID No.	Complying with § 60.482-4
FUG	60KKK-01								
FUG-1	60KKK-02								
FUG-KKK	60KKK-03	NO			NO	NO			NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 4)
Federal Operating Permit Program
Table 1d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

		Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)							
					Pressure Relief Devices (continued)				
Unit ID No.	SOP Index No.	Light Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-8	Heavy Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-8
FUG	60KKK-01								
FUG-1	60KKK-02								
FUG-KKK	60KKK-03	YES	NO		YES	NO			NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 5)
Federal Operating Permit Program
Table 1e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

		Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)							
Unit ID No.	SOP Index No.	Open-ended Valves or Lines	AMEL	AMEL ID No.	Complying with § 60.482-6	Flanges and Other Connectors	AMEL	AMEL ID No.	Complying with § 60.482-8
FUG	60KKK-01								
FUG-1	60KKK-02								
FUG-KKK	60KKK-03	NO			NO	YES	NO		YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 6)
Federal Operating Permit Program
Table 1f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)								
		Valves								
		2% Valves Leaking	Gas/Vapor Service	AMEL	AMEL ID No.	Complying with § 60.482-7	Light Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-7
FUG	60KKK-01									
FUG-1	60KKK-02									
FUG-KKK	60KKK-03	NO	YES	NO		YES	YES	NO		YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 7)
Federal Operating Permit Program
Table 1g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

		Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)								
		Valves (continued)					Closed Vent Systems and		Control Devices	
Unit ID No.	SOP Index No	Heavy Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-8	Control Devices used to comply with AMEL	AMEL ID No.	Flare	Control Device ID No.	Complying with §60.482-10
FUG	60KKK-01									
FUG-1	60KKK-02									
FUG-KKK	60KKK-03	NO			NO	NO				NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 8)
Federal Operating Permit Program
Table 1h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Closed Vent Systems and Control Fugitive Devices Unit Components (continued)					
		Vapor Recovery System	Control Device ID No.	Complying with § 60.482-10	Enclosed Combustion Device	Control Device ID No.	Complying with § 60.482-10
FUG	60KKK-01						
FUG-1	60KKK-02						
FUG-KKK	60KKK-03	NO		NO	NO		NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 9)
Federal Operating Permit Program
Table 1i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)		
		Control Device(s) and Closed Vent Systems (continued)		
		Closed-Vent Systems	Complying with § 60.482-10	Control Device ID No.
FUG	60KKK-01			
FUG-1	60KKK-02			
FUG-KKK	60KKK-03	NO	NO	

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 10)
Federal Operating Permit Program
Table 1j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Fugitive Unit Description
FUG	60KKK-01	Facilities constructed before January 20, 1984
FUG-1	60KKK-02	Facilities are not considered a natural gas processing plant,
FUG-KKK	60KKK-03	Plant fugitives applicable to Subpart KKK.

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 98)
Federal Operating Permit Program
Table 13a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	AMEL	AMEL ID No.	Subject to Another Regulation	VHAP Weight Percent	< 300 Operating Hours	Vacuum Service	Sampling Connection Systems
FUG-1	63HH-01	NO		NONE	10-	NO		

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 173)
Federal Operating Permit Program
Table 19e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Construction/Modification Date	Fugitive Component	AMEL	Subject to Another Regulation
FUG OOOOA	60OOOOa	15+	EQNGPP		NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 174)
Federal Operating Permit Program
Table 19f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components					
			Pumps				
		Any Vacuum Service	Light Liquid Service	Design Capacity < 10MM	AMEL	AMEL ID No.	Complying with 60.482-2a
FUG OOOOA	60OOOOa	NO	YES	NO	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 175)
Federal Operating Permit Program
Table 19g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components			
		Pressure Relief Devices			
		Gas/Vapor Service	Design Capacity < 10MM	AMEL	Complying with 60.482-4a
FUG OOOOA	60OOOOa	YES	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 176)
Federal Operating Permit Program
Table 19h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Title 40 CFR Part60, Subpart OOOOa Fugitive Unit Components (continued)			
		Valves			
		Open-Ended	AMEL	AMEL ID No.	Complying with 60.482-6a
FUG OOOOA	60OOOOa	YES	NO	NO	YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 177)
Federal Operating Permit Program
Table 19i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Title 40CFR Part 60, Subpart OOOOa Fugitives Unit Components (continued)					
		Valves					
		Gas/Vapor or Light Liquid Service	Design Capacity < 10MM	2.0%	AMEL	AMEL ID No.	Complying with 60.482-7a
FUG OOOOA	60OOOOa	YES	NO	NO	NO	NO	YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 178)
Federal Operating Permit Program
Table 19j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)							
		Pumps				Valves			
		Heavy Liquid Service	AMEL	AMEL ID No.	Complying with 60.482-8a	Heavy Liquid Service	AMEL	AMEL ID No.	Complying with 60.482-8a
FUG OOOOA	60OOOOa	NO	NO	NO	NO	NO	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 179)
Federal Operating Permit Program
Table 19k: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)							
		Pressure Relief Devices				Connectors			
		Heavy or Light Liquid Service	AMEL	AMEL ID No.	Complying with 60.482-8a	Heavy Liquid Service	AMEL	AMEL ID No.	Complying with 60.482-8a
FUG OOOOA	60OOOOa	YES	NO	NO	NO	NO	NO	NO	YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 180)
Federal Operating Permit Program
Table 19l: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

		Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)				
		Closed-Vent Systems and Control Devices (continued)				
Unit ID. No.	SOP/GOP Index No.	Vapor Recovery System	AMEL	AMEL ID No.	Complying with 60.482-10a	Control Device ID No.
FUG OOOOA	60OOOOa	NO	NO	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 181)
Federal Operating Permit Program
Table 19m: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

		Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)				
		Closed-Vent Systems and Control Devices (continued)				
Unit ID. No.	SOP/GOP Index No.	Enclosed Combustion Device	AMEL	AMEL ID No.	Complying with 60.482-10a	Control Device ID No.
FUG OOOOA	60OOOOa	NO	NO	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 182)
Federal Operating Permit Program
Table 19n: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

		Title 40 CFR Part	60, Subpart OOOOa	Fugitive Unit	Components	(continued)
		Control Devices				
Unit ID. No.	SOP/GOP Index No.	Flare	AMEL	AMEL ID No.	Complying with 60.482-10a	Control Device ID No.
FUG OOOOA	60OOOOa	NO	NO	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 183)
Federal Operating Permit Program
Table 19o: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

		Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)								
		Control Devices				Connectors				
Unit ID. No.	SOP/GOP Index No	CVS	AMEL	AMEL ID No.	Complying with 60.482-10a	Gas/Vapor or Light Liquid Service	Design Capacity < 10MM	AMEL	AMEL ID No.	Complying with 60.482-11a
FUG OOOOA	60OOOOa	NO	NO	NO	NO	YES	NO	NO	NO	YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 184)
Federal Operating Permit Program
Table 19p: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued) Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Description
FUG OOOOA	60OOOOa	Fugitive components added after September 18, 2015.

16. TCEQ FORM OP-UA13

Texas Commission on Environmental Quality
Cooling Tower Attributes
Form OP-UA13 (Page 1)
Federal Operating Permit Program
Table 1: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart Q: National Emission Standards for Hazardous Air Pollutants (HAPs) for Industrial Process Cooling Towers

Date	Permit No.:	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Used Compounds Containing Chromium on or After September 8, 1994	Initial Start-up Date
CT-1	63Q-01	NO	

17. TCEQ FORM OP-UA15

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 1)
Federal Operating Permit Program
Table 1a: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Subchapter A: Visible Emissions
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Emission Point ID No.	SOP/GOP Index No.	Alternate Opacity Limitation	AOL ID No.	Vent Source	Opacity Monitoring System	Construction Date	Effluent Flow Rate
GRP111A	R1111-01	NO		OTHER	NONE	72-	100-
GRP111B	R1111-02	NO		OTHER	NONE	72+	100-

18. TCEQ FORM OP-UA62

Texas Commission on Environmental Quality
Glycol Dehydration Unit Attributes
Form OP-UA62 (Page 1)
Federal Operating Permit Program

Table 1a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subchapter HH: National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities

Date:	**11/19/2024**
Permit No.:	**O-3184**
Regulated Entity No.:	**RN100220078**

GOP Questions highlighted.

Emission Point ID No.	SOP/GOP Index No.	Alternate Means of Emission Limitation (AMEL)	AMEL ID No.	HAP Source	Affected Source Type	Area Source Exemption	Existing Unit
DEHYVENT	63HH-01	NO		MAJOR	SMALL		YES

Texas Commission on Environmental Quality
Glycol Dehydration Unit Attributes
Form OP-UA62 (Page 2)
Federal Operating Permit Program

Table 1b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subchapter HH: National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities

Date:	**11/19/2024**
Permit No.:	**O-3184**
Regulated Entity No.:	**RN100220078**

Emission Point ID No.	SOP/GOP Index No.	Process Vent Control	Bypass Device	Flow Indicator	Sealed Closed Vent System	Unsafe to Inspect	Difficult to Inspect
DEHYVENT	63HH-01	BTEX	NO		YES	YES	YES

Texas Commission on Environmental Quality
Glycol Dehydration Unit Attributes
Form OP-UA62 (Page 3)
Federal Operating Permit Program
Table 1c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subchapter HH: National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities

Date:	**11/19/2024**
Permit No.:	**O-3184**
Regulated Entity No.:	**RN100220078**

Emission Point ID No.	SOP/GOP Index No.	Control Device Type	Control Device ID No.	Control Device Operation	Performance Test/ Design Analysis Exemption	Performance Test or Design Analysis
DEHYVENT	63HH-01	FLARE	FL-3			

5. TCEQ FORM OP-SUMR

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.
11/19/2024	**O-3184**	**RN100220078**

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	1	UNIT 185	OP-REQ2	Caterpillar, Unit 185			
D	2	UNIT 186	OP-REQ2	Caterpillar, Unit 186			
D	3	TANK 011	OP-UA3	DEA Tank			
D	4	TANK 027	OP-UA3	Sulfa-Treat Tank			

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
11/19/2024	**O-3184**	**RN100220078**

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
3	TANK 011	OP-UA3	D	GRPTK2
4	TANK 027	OP-UA3	D	GRPTK4

7. TCEQ FORM OP-REQ2

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

Date	Permit No.	Regulated Entity No.
11/19/2024	**O-3184**	**RN100220078**

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
D	1	UNIT 185	OP-UA2	MACT ZZZZ	§ 63.6585(b) § 63.6675	As the compressor station pushes gas from the plant into a transmission pipeline, it does meet the definition for "Oil and gas production facility" and is not subject to MACT ZZZZ requirements.
D	2	UNIT 186	OP-UA2	MACT ZZZZ	§ 63.6585(b) § 63.6675	As the compressor station pushes gas from the plant into a transmission pipeline, it does meet the definition for "Oil and gas production facility" and is not subject to MACT ZZZZ requirements.

6. TCEQ FORM OP-REQ1

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 1)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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

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

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 2)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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

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

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

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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

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

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

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

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

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

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

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

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

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

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

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IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds**		
	A.	**Applicability**	
♦	1.	The application area is located in the Houston/Galveston/Brazoria, Beaumont/Port Arthur, or Dallas/Fort Worth Eight-Hour area. *For SOP applications, if the response to Question IV.A.1 is "Yes," complete Sections IV.B - IV.F and IV.H.* *For GOP applications for GOPs 511, 512, 513, or 514, if the response to Question IV.A.1 is "Yes," go to Section IV.F.* *For GOP applications for GOP 517, if the response to Question IV.A.1 is "Yes," complete Sections IV.C and IV.F.* *For GOP applications, if the response to Question IV.A.1 is "No," go to Section VI.*	☐ Yes ☒ No
	2.	The application area is located in Bexar, Comal, Ellis, Hays, or McLennan County and includes a cement kiln. *If the response to Question IV.A.2 is "Yes," go to Question IV.H.1.*	☐ Yes ☒ No
	3.	The application area includes a utility electric generator in an east or central Texas county. *See instructions for a list of counties included.* *If the response to Question IV.A.3 is "Yes," go to Question IV.G.1.* *If the responses to Questions IV.A.1 - 3 are all "No," go to Question IV.H.1.*	☐ Yes ☒ No
	B.	**Utility Electric Generation in Ozone Nonattainment Areas**	
	1.	The application area includes units specified in 30 TAC §§ 117.1000, 117.1200, or 117.1300. *If the response to Question IV.B.1 is "No," go to Question IV.C.1.*	☐ Yes ☐ No
	2.	The application area is complying with a System Cap in 30 TAC §§ 117.1020 or 117.1220.	☐ Yes ☐ No

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

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IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)**		
	F.	**Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines (continued)**	
♦	4.	The application area is located in the Dallas/Fort Worth Eight-Hour area (except for Wise County) and has units that qualify for an exemption under 30 TAC § 117.2103.	☐ Yes ☐ No
♦	5.	The application area has units subject to the emission specifications under 30 TAC §§ 117.2010 or 30 TAC § 117.2110.	☐ Yes ☐ No
	6.	The application area has a unit that has been approved for alternative case specific specifications (ACSS) in 30 TAC § 117.2025 or 30 TAC § 117.2125. *If the response to Question IV.F.6 is "No," go to Section IV.G.*	☐ Yes ☐ No
	7.	An ACSS for carbon monoxide (CO) has been approved?	☐ Yes ☐ No
	8.	An ACSS for ammonia (NH_3) has been approved?	☐ Yes ☐ No
	9.	Provide the Permit Number(s) and authorization/issuance date(s) of the NSR project(s) that incorporates an ACSS below.	
	G.	**Utility Electric Generation in East and Central Texas**	
	1.	The application area includes utility electric power boilers and/or stationary gas turbines (including duct burners used in turbine exhaust ducts) that were placed into service before December 31, 1995. *If the response to Question IV.G.1 is "No," go to Question IV.H.1.*	☐ Yes ☐ No
	2.	The application area is complying with the System Cap in 30 TAC § 117.3020.	☐ Yes ☐ No
	H.	**Multi-Region Combustion Control - Water Heaters, Small Boilers, and Process Heaters**	
	1.	The application area includes a manufacturer, distributor, retailer or installer of natural gas fired water heaters, boilers or process heaters with a maximum rated capacity of 2.0 MMBtu/hr or less. *If the response to question IV.H.1 is "No," go to Section V.*	☐ Yes ☒ No
	2.	All water heaters, boilers or process heaters manufactured, distributed, retailed or installed qualify for an exemption under 30 TAC § 117.3203.	☐ Yes ☐ No

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

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

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

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

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

VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	C.	**Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only) (continued)**	
♦	5.	One or more stationary gas turbines subject to 40 CFR Part 60, Subpart GG in the application area is injected with water or steam for the control of nitrogen oxides.	☐ Yes ☐ No
	D.	**Subpart XX - Standards of Performance for Bulk Gasoline Terminals**	
	1.	The application area includes bulk gasoline terminal loading racks. *If the response to Question VI.D.1 is "No," go to Section VI.E.*	☐ Yes ☒ No ☐ N/A
	2.	One or more of the loading racks were constructed or modified after December 17, 1980, and are not subject to 40 CFR Part 63, Subpart CC.	☐ Yes ☐ No
	E.	**Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO_2) Emissions**	
♦	1.	The application area includes affected facilities identified in 40 CFR § 60.640(a) that process natural gas (onshore). *For SOP applications, if the response to Question VI.E.1 is "No," go to Section VI.F. For GOP applications, if the response to Question VI.E.1 is or "N/A," go to Section VI.H.*	☐ Yes ☒ No
♦	2.	The affected facilities commenced construction or modification after January 20, 1984 and on or before August 23, 2011. *For SOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.2 is "No," go to Section VI.H.*	☐ Yes ☐ No
♦	3.	The application area includes a gas sweetening unit with a design capacity greater than or equal to 2 long tons per day (LTPD) of hydrogen sulfide but operates at less than 2 LTPD. *For SOP applications, if the response to Question VI.E.3 is "No," go to Section VI.F. For GOP applications, if the response to Question VI.E.3 is "No," go to Section VI.H.*	☐ Yes ☐ No

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

VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	E.	**Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO_2) Emissions (continued)**	
♦	4.	Federally enforceable operating limits have been established in the preconstruction authorization limiting the gas sweetening unit to less than 2 LTPD. *For SOP applications, if the response to Question VI.E.4. is "No," go to Section VI.F. For GOP applications, if the response to Question VI.E.4. is "No," go to Section VI.H.*	☐ Yes ☐ No
♦	5.	Please provide the Unit ID(s) for the gas sweetening unit(s) that have established federally enforceable operating limits in the space provided below	
	F.	**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants**	
	1.	The application area includes affected facilities identified in 40 CFR § 60.670(a)(1) that are located at a fixed or portable nonmetallic mineral processing plant. *If the response to Question VI.F.1 is "No," go to Section VI.G.*	☐ Yes ☒ No
	2.	Affected facilities identified in 40 CFR § 60.670(a)(1) and located in the application area are subject to 40 CFR Part 60, Subpart OOO.	☐ Yes ☐ No
	G.	**Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems**	
	1.	The application area is located at a petroleum refinery and includes one or more of the affected facilities identified in 40 CFR § 60.690(a)(2) - (4) for which construction, modification, or reconstruction was commenced after May 4, 1987. *If the response to Question VI.G.1 is "No," go to Section VI.H.*	☐ Yes ☒ No
	2.	The application area includes storm water sewer systems.	☐ Yes ☐ No

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
	N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)	
	***Applicability* (continued)**	
3.	The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). *If the response to Question VIII.N.3 is "No," go to Section VIII.O.*	☐ Yes ☐ No
4.	The application area is located at a plant site which emits or has equipment containing/contacting one or more of the HAPs listed in table 1 of 40 CFR Part 63, Subpart CC. *If the response to Question VIII.N.4 is "No," go to Section VIII.O.*	☐ Yes ☐ No
5.	The application area includes Group 1 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐ Yes ☐ No
6.	The application area includes Group 2 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐ Yes ☐ No
7.	The application area includes Group 1 or Group 2 wastewater streams that are conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. *If the response to Question VIII.N.7 is "No," go to Question VIII.N.13.*	☐ Yes ☐ No
8.	The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(i).	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
N.	**Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)**	
	***Applicability* (continued)**	
9.	The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(ii). *If the response to Question VIII.N.9 is "No," go to Question VIII.N.13.*	☐ Yes ☐ No
10.	The application area includes Group 2 wastewater streams or organic streams whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under the provisions of 40 CFR Part 61, Subpart FF on or after December 31, 1992.	☐ Yes ☐ No
	Containers, Drains, and other Appurtenances	
11.	The application area includes containers that are subject to the requirements of 40 CFR § 63.135 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	☐ Yes ☐ No
12.	The application area includes individual drain systems that are subject to the requirements of 40 CFR § 63.136 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	☐ Yes ☐ No
13.	The application area includes Group 1 gasoline loading racks as specified in § 63.650(a).	☐ Yes ☐ No
O.	**Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations**	
1.	The application area receives material that meets the criteria for off-site material as specified in 40 CFR § 63.680(b)(1). *If the response to Question VIII.O.1 is "No" or "N/A," go to Section VIII.P*	☐ Yes ☒ No ☐ N/A
2.	Materials specified in 40 CFR § 63.680(b)(2) are received at the application area.	☐ Yes ☐ No
3.	The application area has a waste management operation receiving off-site material and is regulated under 40 CFR Part 264 or Part 265.	☐ Yes ☐ No

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

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
O.	**Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)**	
11.	The application area receives offsite materials with average VOHAP concentration less than 500 ppmw at the point of delivery that are not combined with materials having a VOHAP concentration of 500 ppmw or greater. *If the response to Question VIII.O.11 is "No," go to Question VIII.O.14.*	☐ Yes ☐ No
12.	VOHAP concentration is determined by direct measurement.	☐ Yes ☐ No
13.	VOHAP concentration is based on knowledge of the off-site material.	☐ Yes ☐ No
14.	The application area includes an equipment component that is a pump, compressor, and agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector or instrumentation system. *If the response to Question VIII.O.14 is "No," go to Question VIII.O.17.*	☐ Yes ☐ No
15.	An equipment component in the application area contains or contacts off-site material with a HAP concentration greater than or equal to 10% by weight.	☐ Yes ☐ No
16.	An equipment component in the application area is intended to operate 300 hours or more during a 12-month period.	☐ Yes ☐ No
17.	The application area includes containers that manage non-exempt off-site material.	☐ Yes ☐ No
18.	The application area includes individual drain systems that manage non-exempt off-site materials.	☐ Yes ☐ No

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

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

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

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

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

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

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

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

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

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

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

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

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
X.	**Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)**	
5.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.1312.	☐ Yes ☐ No
6.	The application area includes process wastewater streams, located at existing sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐ Yes ☐ No
7.	The application area includes process wastewater streams, located at new sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐ Yes ☐ No
8.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.X.8 is "Yes," go to Question VIII.X.18.*	☐ Yes ☐ No
9.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.X.9 is "No," go to Question VIII.X.11.*	☐ Yes ☐ No
10.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ Yes ☐ No
11.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ Yes ☐ No
12.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.X.11 - VIII.X.12 are both "No," go to Question VIII.X.14.*	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
X.	**Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)**	
13.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ Yes ☐ No
	Containers	
14.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ Yes ☐ No
	Drains	
15.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.X.15 is "No," go to Question VIII.X.18.*	☐ Yes ☐ No
16.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐ Yes ☐ No
17.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐ Yes ☐ No
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a thermoplastic product process unit. *If the response to Question VIII.X.18 is "No," go to Section VIII.Y.*	☐ Yes ☐ No

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)		
	***Drains* (continued)**	
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.1330(b)(12). *If the response to Question VIII.X.19 is "NO," go to Section VIII.Y.*	☐ Yes ☐ No
20.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at any flow rate.	☐ Yes ☐ No
21.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an annual average flow rate greater than or equal to 10 liters per minute.	☐ Yes ☐ No
22.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an thermoplastic product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an average annual flow rate greater than or equal to 0.02 liter per minute	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**		
	Y.	**Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units.**	
	1.	The application area is subject to 40 CFR Part 63, Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units.	☐ Yes ☒ No
	Z.	**Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste (MSW) Landfills.**	
♦	1.	The application area is subject to 40 CFR Part 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills.	☐ Yes ☒ No
	AA.	**Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)**	
	1.	The application area is located at a site that includes process units that manufacture as a primary product one or more of the chemicals listed in 40 CFR § 63.2435(b)(1).	☐ Yes ☒ No
	2.	The application area is located at a plant site that is a major source as defined in FCAA § 112(a).	☒ Yes ☐ No
	3.	The application area is located at a site that includes miscellaneous chemical manufacturing process units (MCPU) that process, use or generate one or more of the organic hazardous air pollutants listed in § 112(b) of the Clean Air Act or hydrogen halide and halogen HAP. *If the response to Question VIII.AA.1, AA.2 or AA.3 is "No," go to Section VIII.BB.*	☐ Yes ☒ No
	4.	The application area includes process vents, storage vessels, transfer racks, or waste streams associated with a miscellaneous chemical manufacturing process subject to 40 CFR 63, Subpart FFFF. *If the response to Question VIII.AA.4 is "No," go to Section VIII.BB.*	☐ Yes ☐ No

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)		
5.	The application area includes process wastewater streams. *If the response to Question VIII.AA.5 is "No," go to Question VIII.AA.24.*	☐ Yes ☐ No
6.	The application area includes process wastewater streams, located at existing sources, that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 of 40 CFR Part 63, Subpart G or Table 8 and Table 9 of 40 CFR Part 63, Subpart FFFF, as appropriate.	☐ Yes ☐ No
7.	The application area includes process wastewater streams, located at existing sources, that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9 of 40 CFR Part 63, Subpart FFFF, as appropriate.	☐ Yes ☐ No
8.	The application area includes process wastewater streams, located at new sources, that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 of 40 CFR Part 63, Subpart G or Table 8 and Table 9 of 40 CFR Part 63, Subpart FFFF, as appropriate.	☐ Yes ☐ No
9.	The application area includes process wastewater streams, located at new sources, that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9 of 40 CFR Part 63, Subpart FFFF, as appropriate.	☐ Yes ☐ No
10.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.AA.10 is "Yes," go to Question VIII.AA.24.*	☐ Yes ☐ No
11.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.AA.11 is "No," go to Question VIII.AA.13.*	☐ Yes ☐ No
12.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ Yes ☐ No
13.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
	AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)	
14.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.AA.13 and VIII.AA.14 are both "No," go to Question VIII.AA.20.*	☐ Yes ☐ No
15.	Group 1 wastewater streams are transferred to an offsite treatment facility meeting the requirements of 40 CFR § 63.138(h). *If the response to Question VIII.AA.15 is "No," go to Question VIII.AA.17.*	☐ Yes ☐ No
16.	The option to document in the notification of compliance status report that the wastewater will be treated in a facility meeting the requirements of 40 CFR § 63.138(h) is elected.	☐ Yes ☐ No
17.	Group 1 wastewater streams or residuals with a total annual average concentration of compounds in Table 8 of 40 CFR Part 63, Subpart FFFF less than 50 ppmw are transferred offsite. *If the response to Question VIII.AA.17 is "No," go to Question VIII.AA.19.*	☐ Yes ☐ No
18.	The transferor is demonstrating that less than 5 percent of the HAP in Table 9 of 40 CFR Part 63, Subpart FFFF is emitted from waste management units up to the activated sludge unit.	☐ Yes ☐ No
19.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ Yes ☐ No
20.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ Yes ☐ No
21.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.AA.21 is "No," go to Question VIII.AA.24.*	☐ Yes ☐ No
22.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐ Yes ☐ No

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

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
BB.	**Subpart GGGG - National Emission Standards for Hazardous Air Pollutants for: Solvent Extractions for Vegetable Oil Production.**	
1.	The application area includes a vegetable oil production process that: is by itself a major source of HAP emissions or, is collocated within a plant site with other sources that are individually or collectively a major source of HAP emissions.	☐ Yes ☒ No
CC.	**Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation**	
1.	The application area includes a facility at which a site remediation is conducted. *If the answer to Question VIII.CC.1 is "No," go to Section VIII.DD.*	☐ Yes ☒ No
2.	The application area is located at a site that is a major source of HAP. *If the answer to Question VIII.CC.2 is "No," go to Section VIII.DD.*	☐ Yes ☐ No
3.	All site remediations qualify for one of the exemptions contained in 40 CFR § 63.7881(b)(1) through (6). *If the answer to Question VIII.CC.3 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No
4.	All site remediation activities are complete, and the Administrator has been notified in writing. *If the answer to Question VIII.CC.4 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No
5.	Prior to beginning site remediation activities, it was determined that the total quantity of HAP listed in Table 1 of Subpart GGGGG that will be removed during all site remediations will be less than 1 Mg/yr. *If the answer to Question VIII.CC.5 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No
6.	The site remediation will be completed within 30 consecutive calendar days.	☐ Yes ☐ No
7.	No site remediation will exceed 30 consecutive calendar days. *If the answer to Question VIII.CC.7 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No
8.	Site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility.	☐ Yes ☐ No
9.	All site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility. *If the answer to Question VIII.CC.9 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
CC.	**Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation (continued)**	
10.	The application area includes a remediation material management unit used for cleanup of radioactive mixed waste per § 63.7886(c).	☐ Yes ☐ No
11.	The application area includes a remediation material management unit or combination of units with a total annual quantity of HAP less than 1 Mg/yr that is being exempted from § 63.7886(b) per § 63.7886(d).	☐ Yes ☐ No
12.	The application area includes a remediation material management unit that has an average total VOHAP concentration of remediation material less than 500 ppmw and is complying with § 63.7886(b)(2). *If the response to Question VIII.CC.12 is "No," go to Question VIII.CC.14.*	☐ Yes ☐ No
13.	The application area includes a remediation material management unit that concentrates all or part of the material such that the material's VOHAP concentration could increase.	☐ Yes ☐ No
14.	The application area includes containers that manage site remediation materials subject to 40 CFR Part 63, Subpart GGGGG. *If the response to Question VIII.CC.14 is "No," go to Question VIII.CC.21.*	☐ Yes ☐ No
15.	The application area includes containers that are also subject to and complying with another subpart under 40 CFR part 61 or part 63 per § 63.7886(b)(3).	☐ Yes ☐ No
16.	The application area includes containers that are complying with alternative work practice standards that have been approved by the EPA per § 63.7900(e).	☐ Yes ☐ No
17.	The application area includes containers using Container Level 1 controls as specified in 40 CFR § 63.922(b).	☐ Yes ☐ No
18.	The application area includes containers with a capacity greater than 0.46 m^3 that meet the requirements of 40 CFR § 63.7900(b)(3)(i) and (ii).	☐ Yes ☐ No
19.	The application area includes containers using Container Level 2 controls as specified in 40 CFR § 63.923(b).	☐ Yes ☐ No
20.	The application area includes containers using Container Level 3 controls as specified in 40 CFR § 63.924(b).	☐ Yes ☐ No
21.	The application area includes individual drain systems complying with the requirements of 40 CFR § 63.962.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
DD.	**Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area/Sources: Electric Arc Furnace Steelmaking Facilities**	
1.	The application area includes an electric arc furnace (EAF) steelmaking facility, and the site is an area source of hazardous air pollutant (HAP) emissions. *If the response to Question VIII.DD.1 is "No," go to Section VIII.EE.*	☐ Yes ☒ No
2.	The EAF steelmaking facility is a research and development facility. *If the response to Question VIII.DD.2 is "Yes," go to Section VIII.EE.*	☐ Yes ☐ No
3.	Metallic scrap is utilized in the EAF.	☐ Yes ☐ No
4.	Scrap containing motor vehicle scrap is utilized in the EAF.	☐ Yes ☐ No
5.	Scrap not containing motor vehicle scrap is utilized in the EAF.	☐ Yes ☐ No
EE.	**Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities**	
1.	The application area is located at a site that is an area source of HAPs. *If the answer to Question EE.1 is "No," go to Section VIII.FF.*	☐ Yes ☒ No
2.	The application area includes a pipeline breakout station, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R.	☐ Yes ☐ No
3.	The application area includes a pipeline pumping station as defined in 40 CFR Part 63, Subpart BBBBBB.	☐ Yes ☐ No

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

VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
EE.	**Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities (continued)**	
4.	The application area includes a bulk gasoline plant as defined in 40 CFR Part 63, Subpart BBBBBB. *If the answer to Question VIII.EE.4 is "No," go to Question VIII.EE.6.*	☐ Yes ☐ No
5.	The bulk gasoline plant was operating, prior to January 10, 2010, in compliance with an enforceable State, local or tribal rule or permit that requires submerged fill as specified in 40 CFR § 63.11086(a).	☐ Yes ☐ No
6.	The application area includes a bulk gasoline terminal, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R or Subpart CC. *If the answer to Question VIII.EE.6 is "No," go to Section VIII.FF.*	☐ Yes ☐ No
7.	The bulk gasoline terminal has throughput of less than 250,000 gallons per day. *If the answer to Question VIII.EE.7 is "Yes," go to Section VIII.FF.*	☐ Yes ☐ No
8.	The bulk gasoline terminal loads gasoline into gasoline cargo tanks other than railcar cargo tanks.	☐ Yes ☐ No
9.	The bulk gasoline terminal loads gasoline into railcar cargo tanks. *If the answer to Question VIII.EE.9 is "No," go to Section VIII.FF.*	☐ Yes ☐ No
10.	The bulk gasoline terminal loads gasoline into railcar cargo tanks which do not collect vapors from a vapor balance system.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**		
	EE.	**Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities (continued)**	
	11.	The bulk gasoline terminal loads gasoline into railcar cargo tanks which collect vapors from a vapor balance system and that system complies with a Federal, State, local, tribal rule or permit.	☐ Yes ☐ No
	FF.	**Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities**	
♦	1.	The application area is located at a site that is an area source of hazardous air pollutants. *If the answer to Question VIII.FF.1 is "No," go to Section VIII.GG.*	☐ Yes ☒ No
♦	2.	The application area includes at least one gasoline dispensing facility as defined in 40 CFR § 63.11132. *If the answer to Question VIII.FF.2 is "No," go to Section VIII.GG.*	☐ Yes ☐ No
♦	3.	The application area includes at least one gasoline dispensing facility with a monthly throughput of less than 10,000 gallons.	☐ Yes ☐ No
♦	4.	The application area includes at least one gasoline dispensing facility where gasoline is dispensed from a fixed gasoline storage tank into a portable gasoline tank for the on-site delivery and subsequent dispensing into other gasoline-fueled equipment.	☐ Yes ☐ No
	GG.	**Recently Promulgated 40 CFR Part 63 Subparts**	
♦	1.	The application area is subject to one or more promulgated 40 CFR Part 63 subparts not addressed on this form. *If the response to Question VIII.GG.1 is "No," go to Section IX. A list of promulgated 40 CFR Part 63 subparts not otherwise addressed on OP-REQ1 is included in the instructions.*	☒ Yes ☐ No
♦	2.	Provide the Subpart designation (i.e. Subpart EEE) in the space provided below.	
Subpart ZZZZ			

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IX.	**Title 40 Code of Federal Regulations Part 68 (40 CFR Part 68) - Chemical Accident Prevention Provisions**		
	A.	**Applicability**	
♦	1.	The application area contains processes subject to 40 CFR Part 68, Chemical Accident Prevention Provisions, and specified in 40 CFR § 68.10.	☐ Yes ☒ No
	X.	**Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone**	
	A.	**Subpart A - Production and Consumption Controls**	
♦	1.	The application area is located at a site that produces, transforms, destroys, imports, or exports a controlled substance or product.	☐ Yes ☒ No ☐ N/A
	B.	**Subpart B - Servicing of Motor Vehicle Air Conditioners**	
♦	1.	Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area.	☐ Yes ☒ NO
	C.	**Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances**	
♦	1.	The application area sells or distributes one or more nonessential products (which release a Class I or Class II substance) that are subject to 40 CFR Part 82, Subpart C.	☐ Yes ☒ No ☐ N/A
	D.	**Subpart D - Federal Procurement**	
♦	1.	The application area is owned/operated by a department, agency, or instrumentality of the United States.	☐ Yes ☒ No ☐ N/A
	E.	**Subpart E - The Labeling of Products Using Ozone Depleting Substances**	
♦	1.	The application area includes containers in which a Class I or Class II substance is stored or transported prior to the sale of the Class I or Class II substance to the ultimate consumer.	☐ Yes ☒ No ☐ N/A
♦	2.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products containing a Class I or Class II substance.	☐ Yes ☒ No ☐ N/A
♦	3.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products manufactured with a process that uses a Class I or Class II substance.	☐ Yes ☒ No ☐ N/A

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

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

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XI.	Miscellaneous (continued)	
E.	**Title IV - Acid Rain Program**	
1.	The application area includes emission units subject to the Acid Rain Program (ARP), including the Opt-In Program.	☐ Yes ☒ No
2.	The application area includes emission units qualifying for the new unit exemption under 40 CFR § 72.7.	☐ Yes ☒ No
3.	The application area includes emission units qualifying for the retired unit exemption under 40 CFR § 72.8.	☐ Yes ☒ No
F.	**40 CFR Part 97, Subpart EEEEE - Cross-State Air Pollution Rule (CSAPR) NO_X Ozone Season Group 2 Trading Program**	
1.	The application area includes emission units subject to the requirements of the CSAPR NO_X Ozone Season Group 2 Trading Program. *If the response to Question XI.F.1 is "No," go to Question XI.F.7.*	☐ Yes ☒ No
2.	The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO_X and heat input.	☐ Yes ☐ No
3.	The application area includes gas or oil-fired units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO_X, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐ Yes ☐ No
4.	The application area includes gas or oil-fired peaking units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix E for NO_X, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐ Yes ☐ No
5.	The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for NO_X and heat input.	☐ Yes ☐ No
6.	The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for NO_X and heat input.	☐ Yes ☐ No
7.	The application area includes emission units that qualify for the CSAPR NO_X Ozone Season Group 2 retired unit exemption.	☐ Yes ☒ No

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XI.	Miscellaneous (continued)	
G.	**40 CFR Part 97, Subpart FFFFF - Texas SO_2 Trading Program**	
1.	The application area includes emission units complying with the requirements of the Texas SO_2 Trading Program. *If the response to Question XI.G.1 is "No," go to Question XI.G.6.*	☐ Yes ☒ No
2.	The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart B for SO_2 and 40 CFR Part 75, Subpart H for heat input.	☐ Yes ☐ No
3.	The application area includes gas or oil-fired units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix D for SO_2 and heat input.	☐ Yes ☐ No
4.	The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for SO_2 and heat input.	☐ Yes ☐ No
5.	The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for SO_2 and heat input.	☐ Yes ☐ No
6.	The application area includes emission units that qualify for the Texas SO_2 Trading Program retired unit exemption.	☐ Yes ☒ No
H.	**Permit Shield (SOP Applicants Only)**	
1.	A permit shield for negative applicability entries on Form OP-REQ2 (Negative Applicable Requirement Determinations) is being requested or already exists in the permit.	☒ Yes ☐ No

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XI.	**Miscellaneous (continued)**		
	I.	**GOP Type (Complete this section for GOP applications only)**	
♦	1.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 511 - Oil and Gas General Operating Permit for Brazoria, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Montgomery, Orange, Parker, Rockwall, Tarrant, Waller, and Wise Counties.	☐ Yes ☐ No
♦	2.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 512 - Oil and Gas General Operating Permit for Gregg, Nueces, and Victoria Counties.	☐ Yes ☐ No
♦	3.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 513 - Oil and Gas General Operating Permit for Aransas, Bexar, Calhoun, Matagorda, San Patricio, and Travis Counties.	☐ Yes ☐ No
♦	4.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 514 - Oil and Gas General Operating Permit for All Texas Counties Except Aransas, Bexar, Brazoria, Calhoun, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Gregg, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Matagorda, Montgomery, Nueces, Orange, Parker, Rockwall, San Patricio, Tarrant, Travis, Victoria, Waller, and Wise County.	☐ Yes ☐ No
♦	5.	The application area is applying for initial issuance, revision, or renewal of a solid waste landfill general operating permit under GOP No. 517 - Municipal Solid Waste Landfill general operating permit.	☐ Yes ☐ No
	J.	**Title 30 TAC Chapter 101, Subchapter H**	
♦	1.	The application area is located in a nonattainment area. *If the response to Question XI.J.1 is "No," go to Question XI.J.3.*	☐ Yes ☒ No
♦	2.	The applicant has or will generate emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☐ Yes ☐ No ☐ N/A
♦	3.	The applicant has or will generate discrete emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☐ Yes ☐ No ☒ N/A

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XI.	**Miscellaneous (continued)**		
	J.	**Title 30 TAC Chapter 101, Subchapter H (continued)**	
♦	4.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities have a collective uncontrolled design capacity to emit 10 tpy or more of NO_X. *If the response to Question XI.J.4 is "Yes," go to Question XI.J.6.*	☐ Yes ☒ No
♦	5.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities previously had a collective uncontrolled design capacity to emit 10 tpy or more of NO_X and is subject to 101.351(c).	☐ Yes ☒ No
	6.	The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I.	☐ Yes ☒ No
♦	7.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area and the site has a potential to emit more than 10 tpy of highly reactive volatile organic compounds (HRVOC) from facilities covered under 30 TAC Chapter 115, Subchapter H, Divisions 1 and 2.	☐ Yes ☒ No
♦	8.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area, the site has a potential to emit 10 tpy or less of HRVOC from covered facilities and the applicant is opting to comply with the requirements of 30 TAC Chapter 101, Subchapter H, Division 6, Highly Reactive VOC Emissions Cap and Trade Program.	☐ Yes ☒ No
	K.	**Periodic Monitoring**	
♦	1.	The applicant or permit holder is submitting at least one periodic monitoring proposal described on Form OP-MON in this application. *If the response to Question XI.K.1 is "Yes," go to Section XI.L.*	☐ Yes ☒ No
♦	2.	The permit currently contains at least one periodic monitoring requirement. *If the responses to Questions XI.K.1 and XI.K.2 are both "No," go to Section XI.L.*	☒ Yes ☐ No
♦	3.	All periodic monitoring requirements are being removed from the permit with this application.	☐ Yes ☒ No

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 84)
Federal Operating Permit Program
Texas Commission on Environmental Quality

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For SOP applications, answer ALL questions unless otherwise directed.
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XI.	**Miscellaneous (continued)**		
	L.	**Compliance Assurance Monitoring**	
♦	1.	The application area includes at least one unit that does not meet the CAM exemptions in 40 CFR § 64.2(b) for all applicable requirements that it is subject to, and the unit has a pre-control device potential to emit greater than or equal to the amount in tons per year required in a site classified as a major source. *If the response to Question XI.L.1 is "No," go to Section XI.M.*	☐ Yes ☒ No
♦	2.	The unit or units defined by XI.L.1 are using a control device to comply with an applicable requirement. *If the response to Question XI.L.2 is "No," go to Section XI.M.*	☐ Yes ☐ No
♦	3.	The permit holder has submitted a CAM proposal on Form OP-MON in a previous application.	☐ Yes ☐ No
♦	4.	The owner/operator or permit holder is submitting a CAM proposal on Form OP-MON according to the deadlines for submittals in 40 CFR § 64.5 in this application. *If the responses to Questions XI.L.3 and XI.L.4 are both "No," go to Section XI.M.*	☐ Yes ☐ No
	5.	The owner/operator or permit holder is submitting a CAM implementation plan and schedule to be incorporated as enforceable conditions in the permit.	☐ Yes ☐ No
	6.	Provide the unit identification numbers for the units for which the applicant is submitting a CAM implementation plan and schedule in the space below.	
♦	7.	At least one unit defined by XI.L.1 and XI.L.2 is using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2).	☐ Yes ☐ No
♦	8.	All units defined by XI.L.1 and XI.L.2 are using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2). *If the response to Question XI.L.8 is "Yes," go to Section XI.M.*	☐ Yes ☐ No

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XI.	**Miscellaneous (continued)**		
	L.	**Compliance Assurance Monitoring (continued)**	
♦	9.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses particulate matter, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐ Yes ☐ No
♦	10.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐ Yes ☐ No
♦	11.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses a regulated pollutant other than particulate matter or VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐ Yes ☐ No
♦	12.	The control device in the CAM proposal as described by question XI.L.3 or XI.L.4 has a bypass.	☐ Yes ☐ No
	M.	**Title 30 TAC Chapter 113, Subchapter D, Division 5 - Emission Guidelines and Compliance Times**	
♦	1.	The application area includes at least one air curtain incinerator that commenced construction on or before December 9, 2004. *If the response to Question XI.M.1 is "No," or "N/A," go to Section XII.*	☐ Yes ☒ No ☐ N/A
♦	2.	All air curtain incinerators constructed on or before December 9, 2004 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐ Yes ☐ No
XII.	**New Source Review (NSR) Authorizations**		
	A.	**Waste Permits with Air Addendum**	
♦	1.	The application area includes a Municipal Solid Waste Permit or an Industrial Hazardous Waste with an Air Addendum. *If the response to XII.A.1 is "Yes," include the waste permit numbers and issuance date in Section XII.J.*	☐ Yes ☒ No

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

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XII.	**New Source Review (NSR) Authorizations (continued)**		
	B.	**Air Quality Standard Permits (continued)**	
♦	11.	The application area includes at least one "Rock Crusher" Air Quality Standard Permit NSR authorization.	☐ Yes ☐ No
♦	12.	The application area includes at least one "Electric Generating Unit" Air Quality Standard Permit NSR authorization. *If the response to XII.B.12 is "No," go to Question XII.B.15.*	☐ Yes ☐ No
♦	13.	For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the East Texas Region.	☐ Yes ☐ No
♦	14.	For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the West Texas Region.	☐ Yes ☐ No
♦	15.	The application area includes at least one "Boiler" Air Quality Standard Permit NSR authorization.	☐ Yes ☐ No
♦	16.	The application area includes at least one "Sawmill" Air Quality Standard Permit NSR authorization.	☐ Yes ☐ No
	C.	**Flexible Permits**	
	1.	The application area includes at least one Flexible Permit NSR authorization.	☐ Yes ☒ No
	D.	**Multiple Plant Permits**	
	1.	The application area includes at least one Multi-Plant Permit NSR authorization.	☐ Yes ☒ No

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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):

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

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♦ 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
17457	04/15/2013				

♦ **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
006	**05/05/1976**	**070**	**05/08/1972**	**106.511**	**09/04/2000**
006	**05/12/1981**	**072**	**05/08/1972**	**106.512**	**06/13/2001**
007	**11/05/1986**	**072**	**05/12/1981**		
009	**05/08/1972**	**082**	**12/01/1972**		
051	**11/05/1986**	**107**	**05/12/1981**		
053	**11/05/1986**	**106.263**	**11/01/2001**		
057	**05/05/1976**	**106.352**	**09/04/2000**		
057	**05/12/1981**	**106.352**	**02/27/2011**		
058	**05/08/1972**	**106.352**	**02/02/2012**		
058	**05/05/1976**	**106.352**	**11/22/2012**		
058	**05/12/1981**	**106.355**	**11/01/2001**		
059	**05/08/1972**	**106.359**	**09/10/2013**		
064	**05/08/1972**	**106.454**	**11/01/2001**		
066	**11/05/1986**	**106.492**	**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

8. TCEQ FORM OP-PBRSUP

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 1)

Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	Registration Number	PBR No.	Registration Date
FL-1	99582	106.352	06/11/2024
FL-1	99582	106.492	06/11/2024
FL-2	99582	106.352	06/11/2024
FL-2	99582	106.492	06/11/2024
FL-3	99582	106.352	06/11/2024
FL-3	99582	106.492	06/11/2024
FUG-1	99582	106.352	06/11/2024
FUG-1	99582	106.352	06/11/2024
H-1	99582	106.352	06/11/2024
H-1 VENT	99582	106.352	06/11/2024
H-3	99582	106.352	06/11/2024
TL-1	99582	106.352	06/11/2024
TL-FUG	99582	106.352	06/11/2024

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 2)

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date
AMNVENT	106.352	10/24/2012
BOI-1	106.352	10/24/2012
BOI-1	106.352	10/24/2012
BOI-1S	106.352	10/24/2012
BOI-1S	106.352	10/24/2012
DEHYBOI	106.352	10/24/2012
DEHYBOI	106.352	10/24/2012
DEHYBOIS	106.352	10/24/2012
DEHYBOIS	106.352	10/24/2012
DEHYVENT	106.352	10/24/2012
FLSHTNK	106.352	10/24/2012
FUG KKK	106.352	10/24/2012
FUG KKK	106.352	10/24/2012
FUGOOOOA	106.352	10/24/2012
GO-FLARE1	106.352	10/24/2012
GO-FLARE1	106.492	10/24/2012
LD-L	106.352	10/24/2012
LD-M	106.352	10/24/2012
T-107	106.352	10/24/2012
931 S	6	5/5/1976
932 S	6	5/5/1976
933 S	6	5/5/1976
924 S	6	5/12/1981
925 S	6	5/12/1981
926 S	6	5/12/1981
927 S	6	5/12/1981
928 S	6	5/12/1981
929 S	6	5/12/1981
CT-1	9	5/8/1972
EMERGEN	106.511	9/4/2000
FIREPUMP	106.511	9/4/2000
FUG	66	11/5/1986
H-1S	107	5/12/1981
H-3S	107	5/12/1981
H-5	7	11/5/1986
H-5S	7	11/5/1986
LD-A	72	5/8/1972

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 2)

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date
LD-B	51	11/5/1986
LD-C	51	11/5/1986
LD-D	51	11/5/1986
LD-F	53	11/5/1986
LD-G	51	11/5/1986
LD-H	53	11/5/1986
LD-1	51	11/5/1986
LD-J	51	11/5/1986
LD-K	51	11/5/1986
OWSH-1	70	5/8/1972
PRO-AMINE	72	5/12/1981
PRO-FRAC1	72	5/5/1976
PRO-FRAC2	72	5/12/1981
PWSH-1	106.454	11/1/2001
STARTER	106.512	6/13/2001
TANK002	58	5/8/1972
TANK003	58	5/8/1972
TANK004	58	5/8/1972
TANK005	58	5/8/1972
TANK006	72	5/8/1972
TANK007	57	5/12/1981
TANK008	106.352	10/24/2012
TANK 009	57	5/5/1976
TANK 010	57	5/12/1981
TANK 012	106.352	10/24/2012
TANK 013	64	5/8/1972
TANK 015	57	5/12/1981
TANK 014	106.352	10/24/2012
TANK 016	57	5/12/1981
TANK 017	58	5/12/1981
TANK 018	58	5/5/1976
TANK 019	58	5/5/1976
TANK020	58	5/5/1976
TANK 021	59	5/8/1972
TANK022	58	5/5/1976
TANK023	58	5/12/1981
TANK024	59	5/8/1972

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 2)

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date
TANK025	58	5/8/1972
TANK026	59	5/8/1972
TANK026	106.352	10/24/2012
TANK028	106.352	10/24/2012
TANK 029	106.352	10/24/2012
UNIT 184S	82	12/1/1972
UNIT 184	82	12/1/1972
UNIT 185	106.512	6/13/2001
UNIT 185S	106.512	6/13/2001
UNIT 186	106.512	6/13/2001
UNIT 186S	106.512	6/13/2001
UNIT 924	6	5/12/1981
UNIT 925	6	5/12/1981
UNIT 926	6	5/12/1981
UNIT 927	6	5/12/1981
UNIT 928	6	5/12/1981
UNIT 929	6	5/12/1981
UNIT 931	6	5/5/1976
UNIT 932	6	5/5/1976
UNIT 933	6	5/5/1976
FUG-C3 Dryer	106.352	10/24/2012
TK-1	106.352	10/24/2012
TL-1	106.352	10/24/2012
RB-STEAM	106.352	10/24/2012

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

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

PBR No.	Version No./Date

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

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
AMNVENT	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
BOI-1	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
BOI-1	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
BOI-1S	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
BOI-1S	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
931 S	6	5/5/1976	Record annual fuel consumption.
932 S	6	5/5/1976	Record annual fuel consumption.
933 S	6	5/5/1976	Record annual fuel consumption.
924 S	6	5/12/1981	Record annual fuel consumption.
925 S	6	5/12/1981	Record annual fuel consumption.
926 S	6	5/12/1981	Record annual fuel consumption.
927 S	6	5/12/1981	Record annual fuel consumption.
928 S	6	5/12/1981	Record annual fuel consumption.
929 S	6	5/12/1981	Record annual fuel consumption.
CT-1	9	5/8/1972	Record annual fuel consumption.
DEHYBOI	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
DEHYBOI	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
DEHYBOIS	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
DEHYBOIS	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
DEHYVENT	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
EMERGEN	106.511	9/4/2000	Record operating hours of the emergency engine whenever it is used to demonstrate that the maximum annual operating hours do not exceed 10% of the normal annual operating schedule of the primary equipment.
FIREPUMP	106.511	9/4/2000	Record operating hours of the emergency engine whenever it is used to demonstrate that the maximum annual operating hours do not exceed 10% of the normal annual operating schedule of the primary equipment.
FL-1	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FL-1	106.492	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FL-2	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FL-2	106.492	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FL-3	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FL-3	106.492	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FLSHTNK	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
FUG KKK	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
FUG KKK	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
FUGOOOOA	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
FUG-1	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FUG-1	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FUG	66	11/5/1986	Use underlying emission calculation methods to determine actual emissions.

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

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
GO-FLARE1	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
GO-FLARE1	106.492	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
H-1	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
H-1S	107	5/12/1981	Record annual fuel consumption.
H-3	106.352	4/15/1900	Use underlying emission calculation methods to determine actual emissions.
H-3S	107	5/12/1981	Record annual fuel consumption.
H-5	7	11/5/1986	Record annual fuel consumption.
H-5S	7	11/5/1986	Record annual fuel consumption.
LD-A	72	5/8/1972	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-B	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-C	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-D	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-F	53	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-G	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-H	53	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-1	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-J	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-K	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-L	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
LD-M	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
OWSH-1	70	5/8/1972	Use underlying emission calculation methods to determine actual emissions.
PRO-AMINE	72	5/12/1981	Use underlying emission calculation methods to determine actual emissions.
PRO-FRAC1	72	5/5/1976	Use underlying emission calculation methods to determine actual emissions.
PRO-FRAC2	72	5/12/1981	Use underlying emission calculation methods to determine actual emissions.
PWSH-1	106.454	11/1/2001	Use underlying emission calculation methods to determine actual emissions.
STARTER	106.512	6/13/2001	Record annual fuel consumption.
T-107	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK002	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions

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

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
TANK003	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK004	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK005	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK006	72	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK007	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK008	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK 009	57	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 010	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 012	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK 013	64	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 014	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK 015	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 016	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 017	58	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 018	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 019	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK020	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 021	59	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK022	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK023	58	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK024	59	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions

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

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
TANK025	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK026	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK026	59	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK028	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK 029	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TL-1	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
TL-FUG	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
UNIT 184S	82	12/1/1972	Record annual fuel consumption.
UNIT 184	82	12/1/1972	Record annual fuel consumption.
UNIT 185	106.512	6/13/2001	Record annual fuel consumption.
UNIT 185S	106.512	6/13/2001	Record annual fuel consumption.
UNIT 186	106.512	6/13/2001	Record annual fuel consumption.
UNIT 186S	106.512	6/13/2001	Record annual fuel consumption.
UNIT 924	6	5/12/1981	Record annual fuel consumption.
UNIT 925	6	5/12/1981	Record annual fuel consumption.
UNIT 926	6	5/12/1981	Record annual fuel consumption.
UNIT 927	6	5/12/1981	Record annual fuel consumption.
UNIT 928	6	5/12/1981	Record annual fuel consumption.
UNIT 929	6	5/12/1981	Record annual fuel consumption.
UNIT 931	6	5/5/1976	Record annual fuel consumption.
UNIT 932	6	5/5/1976	Record annual fuel consumption.
UNIT 933	6	5/5/1976	Record annual fuel consumption.
FUG-C3	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TK-1	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TL-1	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
RB-STEAM	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.

4. TCEQ FORM OP-ACPS

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

Date: November 19, 2024	**Regulated Entity No.: 100220078**	**Permit No.: O-3184**
Company Name: Enterprise Hydrocarbons L.P.		**Area Name: Armstrong Gas Plant**

- 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 *Responsible Official* 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. *(For reference only)*	N/A
*	*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.*	

3. TCEQ FORM OP-2

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

Date: 11/19/2024	
Permit No.: O-3184	
Regulated Entity No.: RN100220078	
Company Name: Enterprise Hydrocarbons L.P.	
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

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	☐ SO_2	☐ PM_{10}	☒ CO	☐ Pb	☒ HAP
Other:						
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.						

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

Date: 11/19/2024
Permit No.: O-3184
Regulated Entity No.: RN100220078
Company Name: Enterprise Hydrocarbons L.P.

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	SIG-E	NO	UNIT 185	OP-REQ2	N/A	Removing applicability of 40 CFR Part 63, Subpart ZZZZ.
2	SIG-E	NO	UNIT 186	OP-REQ2	N/A	Removing applicability of 40 CFR Part 63, Subpart ZZZZ.
3	SIG-E	NO	TANK 011	OP-UA3	N/A	Removal of TANK 011 from permit, as it is no longer at facility.
4	SIG-E	NO	TANK 027	OP-UA3	N/A	Removal of TANK 027 from permit, as it is no longer at facility.

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

Date: 11/19/2024		
Permit No.: O-3184		
Regulated Entity No.: RN100220078		
Company Name: Enterprise Hydrocarbons L.P.		
I.	**Significant Revision** *(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)*	
A.	Is the site subject to bilingual requirements pursuant to 30 TAC § 122.322?	☐ YES ☒ NO
B.	Indicate the alternate language(s) in which public notice is required:	
C.	Will, there be a change in air pollutant emissions as a result of the significant revision?	☐ YES ☒ NO

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

Using the table below, indicate the air pollutant(s) that will be changing and include a brief description of the change in pollutant emissions for each pollutant:

Pollutant	Description of the Change in Pollutant Emissions

2. TCEQ FORM OP-1

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

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

I.	**Company Identifying Information**
A.	Company Name: Enterprise Hydrocarbons L.P.
B.	Customer Reference Number (CN): **CN602718553**
C.	Submittal Date *(mm/dd/yyyy)*: **11/19/2024**
II.	**Site Information**
A.	Site Name: Armstrong Gas Plant
B.	Regulated Entity Reference Number (RN): **RN100220078**
C.	Indicate affected state(s) required to review permit application: *(Check the appropriate box[es].)*
☐ AR ☐ CO ☐ KS ☐ LA ☐ NM ☐ OK ☒ N/A	
D.	Indicate all pollutants for which the site is a major source based on the site's potential to emit: *(Check the appropriate box[es].)*
☒ VOC ☒ NO_X ☐ SO_2 ☐ PM_{10} ☒ CO ☐ Pb ☒ HAPS	
Other:	
E.	Is the site a non-major source subject to the Federal Operating Permit Program? ☐ Yes ☒ No
F.	Is the site within a local program area jurisdiction? ☐ Yes ☒ No
G.	Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63? ☐ Yes ☒ No
H.	Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging:
III.	**Permit Type**
A.	Type of Permit Requested: *(Select only one response)*
☒ Site Operating Permit (SOP) ☐ Temporary Operating Permit (TOP) ☐ General Operating Permit (GOP)	

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

IV.	**Initial Application Information** *(Complete for Initial Issuance Applications Only.)*	
A.	Is this submittal an abbreviated or a full application?	☐ Abbreviated ☐ Full
B.	If this is a full application, is the submittal a follow-up to an abbreviated application?	☐ Yes ☐ No
C.	If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit?	☐ Yes ☐ No
D.	Has an electronic copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.)	☐ Yes ☐ No
E.	Has the required Public Involvement Plan been included with this application?	☐ Yes ☐ No
V.	**Confidential Information**	
A.	Is confidential information submitted in conjunction with this application?	☐ Yes ☒ No
VI.	**Responsible Official (RO) Identifying Information**	
RO Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)		
RO Full Name: Graham W. Bacon		
RO Title: Executive Vice President and Chief Operating Officer		
Employer Name: Enterprise Hydrocarbons L.P.		
Mailing Address: P.O. Box 4324		
City: Houston		
State: TX		
ZIP Code: 77210		
Territory:		
Country: USA		
Foreign Postal Code:		
Internal Mail Code:		
Telephone No.: (713) 381-6595		
Fax No.: (281) 887-8086		
Email: environmental@eprod.com		

Federal Operating Permit Program
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Texas Commission on Environmental Quality

VII. Technical Contact Identifying Information *(Complete if different from RO.)*	
Technical Contact Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)	
Technical Contact Full Name: Daniel Quesada	
Technical Contact Title: Environmental Engineer	
Employer Name: Enterprise Hydrocarbons L.P.	
Mailing Address: P.O. Box 4324	
City: Houston	
State: TX	
ZIP Code: 77210	
Territory:	
Country: USA	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.: 713-381-6770	
Fax No.:	
Email: DEQuesada@eprod.com	
VIII. Reference Only Requirements *(For reference only.)*	
A. State Senator: Lois W. Kolkhorst, District 18	
B. State Representative: Geanie W. Morrison, District 30	
C. Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)?	☒ Yes ☐ No ☐ N/A
D. Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322?	☐ Yes ☒ No
E. Indicate the alternate language(s) in which public notice is required: Spanish	

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IX.	**Off-Site Permit Request** *(Optional for applicants requesting to hold the FOP and records at an off-site location.)*
A.	Office/Facility Name: Enterprise Hydrocarbons L.P.
B.	Physical Address: 1100 Louisiana St.
City: Houston	
State: TX	
ZIP Code: 77002	
Territory:	
Country: USA	
Foreign Postal Code:	
C.	Physical Location: Environmental Department
D.	Contact Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
Contact Full Name: Daniel Quesada	
E.	Telephone No.: 713-381-6770
X.	**Application Area Information**
A.	Area Name: Armstrong Gas Plant
B.	Physical Address:
City: Yoakum	
State: TX	
ZIP Code: 77995	
C.	Physical Location: From the intersection of Hwy lll and Edgar St (FM 682) in Yoakum, head south on Edgar St for 0.5 miles and turn left onto Burt St (still considered FM 682). Travel on FM 682 for 8.3 miles and turn right onto FM 1447 WlFNl682 S. Travel 1.1 miles to FM 682 S (Evans Rd) and turn left. Travel 4.5 miles to the plant on the right.
D.	Nearest City: Yoakum
E.	State: TX
F.	ZIP Code: 77995

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

X.	**Application Area Information *(continued)***
G.	Latitude (nearest second): 29° 08' 02" N
H.	Longitude (nearest second): 97° 02' 20" W
I.	Are there any emission units that were not in compliance with the applicable requirements identified in the application at the time of application submittal? ☐ Yes ☒ No
J.	Indicate the estimated number of emission units in the application area: 92
K.	Are there any emission units in the application area subject to the Acid Rain Program? ☐ Yes ☒ No
L.	Affected Source Plant Code (or ORIS/Facility Code):
XI.	**Public Notice** *(Complete this section for SOP Applications and Acid Rain Permit Applications only.)*
A.	Name of a public place to view application and draft permit: Cuero Municipal Library
B.	Physical Address: 207 E Main St.
City: Cuero	
ZIP Code: 77954	
C.	Contact Person (Someone who will answer questions from the public during the public notice period):
Contact Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.):	
Contact Person Full Name: Daniel Quesada	
Contact Mailing Address: P.O. Box 4324	
City: Houston	
State: TX	
ZIP Code: 77210	
Territory:	
Country: USA	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.: 713-381-6770	

Federal Operating Permit Program
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Texas Commission on Environmental Quality

XII. Delinquent Fees and Penalties
Notice: This form will not be processed until all delinquent fees and/or penalties owed to TCEQ or the Office of Attorney General on behalf of TCEQ are paid in accordance with the "Delinquent Fee and Penalty Protocol."
Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.
XIII. Designated Representative (DR) Identifying Information
DR Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
DR Full Name:
DR Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:

Federal Operating Permit Program
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Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.
XIV. Alternate Designated Representative (ADR) Identifying Information
ADR Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
ADR Full Name:
ADR Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:

Texas Commission on Environmental Quality

Title V Existing

3184

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	ARMSTRONG GAS PLANT
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	From the intx of Hwy 111 and Edgar St (FM 682) in Yoakum, head s on Edgar St for 0.5 mi and turn l onto Burt St (still considered FM 682) Travel on FM 682 for 8.3 mi and turn r onto FM 1447 W/FM 682 S. Travel 1.1 mi to FM 682 S and turn L. Travel 4.5 mi
City	Yoakum
State	TX
ZIP	77995
County	DEWITT
Latitude (N) (##.######)	29.133888
Longitude (W) (-###.######)	97.038888
Primary SIC Code	1321
Secondary SIC Code	
Primary NAICS Code	211112
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN100220078
What is the name of the Regulated Entity (RE)?	ARMSTRONG GAS PLANT
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	10 MI S OF YOAKUM ON FM 682
City	YOAKUM
State	TX
ZIP	77995
County	DEWITT
Latitude (N) (##.######)	29.146388
Longitude (W) (-###.######)	-97.0375
Facility NAICS Code	
What is the primary business of this entity?	NATURAL GAS COMPRESSOR STATION

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN602718553
Type of Customer	Partnership
Full legal name of the applicant:	
Legal Name	Enterprise Hydrocarbons L.P.
Texas SOS Filing Number	4910911
Federal Tax ID	742779752

State Franchise Tax ID	17427797521
State Sales Tax ID	
Local Tax ID	
DUNS Number	836434290
Number of Employees	501+
Independently Owned and Operated?	

Responsible Official Contact

Person TCEQ should contact for questions about this application:	
Organization Name	ENTERPRISE HYDROCARBONS LP
Prefix	MR
First	GRAHAM
Middle	
Last	BACON
Suffix	
Credentials	
Title	EXECUTIVE VICE PRESIDENT
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 4324
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77210
Phone (###-###-####)	7133816595
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	7133816811
E-mail	environmental@eprod.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application	
Select existing DAR contact or enter a new contact.	BRADLEY COOLEY(ENTERPRISE PROD...)
Organization Name	ENTERPRISE PRODUCTS OPERATING LLC
Prefix	MR
First	BRADLEY
Middle	
Last	COOLEY
Suffix	
Credentials	
Title	SENIOR DIRECTOR
Enter new address or copy one from list	
Mailing Address	
Address Type	Domestic

Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 4324
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
Zip	77210
Phone (###-###-####)	7133816595
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	2818878086
E-mail	ENVIRONMENTAL@EPROD.COM

Technical Contact

Person TCEQ should contact for questions about this application:	
Select existing TC contact or enter a new contact.	New Contact
Organization Name	Enterprise Hydrocarbons LP
Prefix	MR
First	Daniel
Middle	
Last	Quesada
Suffix	
Credentials	
Title	Environmental Engineer
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 4324
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77210
Phone (###-###-####)	7133816770
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	dequesada@eprod.com

Title V General Information - Existing

1) Permit Type:	SOP
2) Permit Latitude Coordinate:	29 Deg 8 Min 2 Sec
3) Permit Longitude Coordinate:	97 Deg 2 Min 20 Sec
4) Is this submittal a new application or an update to an existing application?	New Application
4.1. What type of permitting action are you applying for?	Renewal
4.1.1. Are there any permits that should be voided upon issuance of this permit application	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?	Duly Authorized Representative
6) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	No

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

[File Properties]

File Name	OP-1.pdf
Hash	6F0B9C526951BFD9A462AE96389393C7887CCACDB5C2709745D38B3B19CC4BFB
MIME-Type	application/pdf

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

[File Properties]

File Name	OP-2.pdf
Hash	7F3E4E655D308D1BA585DF2BD34B0EC505A8625A38E3E0D0067692502330CB63
MIME-Type	application/pdf

Attach OP-ACPS (Application Compliance Plan and Schedule)

[File Properties]

File Name	OP-ACPS.pdf
Hash	6D49795D96F528A8AFF3C31AA03AA6D4E373B1EE180D286978B071260E35A02F
MIME-Type	application/pdf

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

[File Properties]

File Name	OP-REQ1.pdf
Hash	64558AD2750CB32B5259C8D337834869FE08F7B951B5223FED1E807A566C79AB
MIME-Type	application/pdf

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

[File Properties]

File Name	OP-REQ2.pdf
Hash	E7BB184AC75543919AB900EA4760594AA85C455FA70EA9EC989A0AF89C315E71
MIME-Type	application/pdf

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

[File Properties]

File Name	OP-PBRSUP.pdf

Hash	4FD3FE527664C2F5EA1D19DAFCF65E92C2244D6BE130114DEC7A20442A43C7C7
MIME-Type	application/pdf

Attach OP-SUMR (Individual Unit Summary for Revisions)

[File Properties]

File Name	OP-SUMR.pdf
Hash	C9A5E02339BBE9581A2B2274B151123BC9AB00E2D95CCA3950A260E8590DF636
MIME-Type	application/pdf

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

[File Properties]

File Name	OP-UA Forms.pdf
Hash	C88B7CEAA2C2505FB74B8722F724E560407A0DB80D84C7D68E8040F417C26673
MIME-Type	application/pdf

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

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name	2024-1115 Enterprise Armstrong SOP 3184 Renewal Application-final.pdf
Hash	A49A2D8ED134C8D6F05C22AA00037A51E159028F6060C026BE2245576925A0BB
MIME-Type	application/pdf

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

Expedite Title V

1) Per Texas Health and Safety Code, Section 382.05155, does the applicant want to expedite the processing of this application?	No

Certification

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

1. I am Bradley J Cooley, the owner of the STEERS account ER101133.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.

4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcemer 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 3184.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Bradley J Cooley OWNER OPERATOR

Account Number:	ER101133
Signature IP Address:	165.225.37.77
Signature Date:	2024-11-19
Signature Hash:	3A72A8E6E16CD866EF25BE5C49B023ABF5352B6D1B85993C51C75C988B374B14
Form Hash Code at time of Signature:	AF12518A063B345075B2081A561F7CF88BFC90C68A7EA3F54758039136D0EE2F

Submission

Reference Number:	The application reference number is 707946
Submitted by:	The application was submitted by ER101133/Bradley J Cooley
Submitted Timestamp:	The application was submitted on 2024-11-19 at 13:07:03 CST
Submitted From:	The application was submitted from IP address 165.225.37.77
Confirmation Number:	The confirmation number is 584016
Steers Version:	The STEERS version is 6.83
Permit Number:	The permit number is 3184

Additional Information

Application Creator: This account was created by Daniel Quesada

TABLE OF CONTENTS

1. EXECUTIVE SUMMARY

Enterprise Hydrocarbons L.P. (Enterprise) owns and operates the Armstrong Gas Plant. The Armstrong Gas Plant is located near Yoakum, in Dewitt County, Texas. Dewitt County is designated as an attainment county for all criteria pollutants. Enterprise has been assigned TCEQ Customer Reference Number (CN) CN602718553, and the Armstrong Gas Plant is assigned Regulated Entity Reference Number (RN) 100220078 and currently operates under Site Operating Permit (SOP) Number O-3184 as part of the Federal Operating Permits (FOP) Program.

The current SOP expires on May 20, 2025. As such, Enterprise is submitting this SOP renewal application to address all requirements of the FOP Program. This permit renewal application is being submitted at least six (6) months, but no earlier than eighteen (18) months, before the date of permit expiration and is considered a timely application as required by 30 TAC §122.133(2). In accordance with 30 TAC §122.241(g), the terms and conditions of the current FOP shall remain in effect until the TCEQ takes final action on this application.

There have been changes to the process or sources since the last revision made to SOP O-3184, and various unit attribute forms have been updated by TCEQ since the last renewal was submitted in April 2019. Therefore, changes have been accounted for in the forms attached, and the most recent versions of the unit attribute forms have been completed and included in this submittal.

Air emission sources at the Armstrong Gas Plant currently operate under New Source Review (NSR) permit 17457 and various Permits by Rule (PBRs). The Armstrong Gas Plant is a major source with respect to Title V permitting requirements and operates under Site Operating Permit (SOP) No. O-3184.

Enterprise's address, technical contact, and responsible official are included below:

Enterprise Hydrocarbons L.P.
1100 Louisiana Street
Houston, Texas 77002

Technical Contact: Daniel Quesada – Engineer, Environmental
Telephone: (713) 381-6770;
Email: dequesada@eprod.com

Responsible Official: Graham W. Bacon - Executive Vice President and Chief Operating Officer
Telephone: (713) 381-6595

1.1 Application Contents

The enclosed Title V SOP renewal application for the Armstrong Gas Plant consists of the following forms:

- Section 2. TCEQ Form OP-1
- Section 3. TCEQ Form OP-2
- Section 4. TCEQ Form OP-ACPS
- Section 5. TCEQ Form OP-SUMR

- Section 6. TCEQ Form OP-REQ1
- Section 7. TCEQ Form OP-REQ2
- Section 8. TCEQ Form OP-PBRSUP
- Section 9. TCEQ Form OP-UA2
- Section 10. TCEQ Form OP-UA3
- Section 11. TCEQ Form OP-UA6
- Section 12. TCEQ Form OP-UA7
- Section 13. TCEQ Form OP-UA10
- Section 14. TCEQ Form OP-UA11
- Section 15. TCEQ Form OP-UA12
- Section 16. TCEQ Form OP-UA13
- Section 17. TCEQ Form OP-UA15
- Section 18. TCEQ Form OP-UA62

2. TCEQ FORM OP-1

Federal Operating Permit Program
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Texas Commission on Environmental Quality

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

I.	**Company Identifying Information**
A.	Company Name: Enterprise Hydrocarbons L.P.
B.	Customer Reference Number (CN): **CN602718553**
C.	Submittal Date *(mm/dd/yyyy)*: **11/19/2024**
II.	**Site Information**
A.	Site Name: Armstrong Gas Plant
B.	Regulated Entity Reference Number (RN): **RN100220078**
C.	Indicate affected state(s) required to review permit application: *(Check the appropriate box[es].)*
☐ AR ☐ CO ☐ KS ☐ LA ☐ NM ☐ OK ☒ N/A	
D.	Indicate all pollutants for which the site is a major source based on the site's potential to emit: *(Check the appropriate box[es].)*
☒ VOC ☒ NO_X ☐ SO_2 ☐ PM_{10} ☒ CO ☐ Pb ☒ HAPS	
Other:	
E.	Is the site a non-major source subject to the Federal Operating Permit Program? ☐ Yes ☒ No
F.	Is the site within a local program area jurisdiction? ☐ Yes ☒ No
G.	Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63? ☐ Yes ☒ No
H.	Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging:
III.	**Permit Type**
A.	Type of Permit Requested: *(Select only one response)*
☒ Site Operating Permit (SOP) ☐ Temporary Operating Permit (TOP) ☐ General Operating Permit (GOP)	

Federal Operating Permit Program
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Texas Commission on Environmental Quality

IV.	**Initial Application Information** *(Complete for Initial Issuance Applications Only.)*	
A.	Is this submittal an abbreviated or a full application?	☐ Abbreviated ☐ Full
B.	If this is a full application, is the submittal a follow-up to an abbreviated application?	☐ Yes ☐ No
C.	If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit?	☐ Yes ☐ No
D.	Has an electronic copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.)	☐ Yes ☐ No
E.	Has the required Public Involvement Plan been included with this application?	☐ Yes ☐ No
V.	**Confidential Information**	
A.	Is confidential information submitted in conjunction with this application?	☐ Yes ☒ No
VI.	**Responsible Official (RO) Identifying Information**	
RO Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)		
RO Full Name: Graham W. Bacon		
RO Title: Executive Vice President and Chief Operating Officer		
Employer Name: Enterprise Hydrocarbons L.P.		
Mailing Address: P.O. Box 4324		
City: Houston		
State: TX		
ZIP Code: 77210		
Territory:		
Country: USA		
Foreign Postal Code:		
Internal Mail Code:		
Telephone No.: (713) 381-6595		
Fax No.: (281) 887-8086		
Email: environmental@eprod.com		

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

VII. Technical Contact Identifying Information *(Complete if different from RO.)*	
Technical Contact Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)	
Technical Contact Full Name: Daniel Quesada	
Technical Contact Title: Environmental Engineer	
Employer Name: Enterprise Hydrocarbons L.P.	
Mailing Address: P.O. Box 4324	
City: Houston	
State: TX	
ZIP Code: 77210	
Territory:	
Country: USA	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.: 713-381-6770	
Fax No.:	
Email: DEQuesada@eprod.com	
VIII. Reference Only Requirements *(For reference only.)*	
A. State Senator: Lois W. Kolkhorst, District 18	
B. State Representative: Geanie W. Morrison, District 30	
C. Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)?	☒ Yes ☐ No ☐ N/A
D. Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322?	☐ Yes ☒ No
E. Indicate the alternate language(s) in which public notice is required: Spanish	

Federal Operating Permit Program
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Texas Commission on Environmental Quality

IX.	**Off-Site Permit Request** *(Optional for applicants requesting to hold the FOP and records at an off-site location.)*
A.	Office/Facility Name: Enterprise Hydrocarbons L.P.
B.	Physical Address: 1100 Louisiana St.
City: Houston	
State: TX	
ZIP Code: 77002	
Territory:	
Country: USA	
Foreign Postal Code:	
C.	Physical Location: Environmental Department
D.	Contact Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
Contact Full Name: Daniel Quesada	
E.	Telephone No.: 713-381-6770
X.	**Application Area Information**
A.	Area Name: Armstrong Gas Plant
B.	Physical Address:
City: Yoakum	
State: TX	
ZIP Code: 77995	
C.	Physical Location: From the intersection of Hwy lll and Edgar St (FM 682) in Yoakum, head south on Edgar St for 0.5 miles and turn left onto Burt St (still considered FM 682). Travel on FM 682 for 8.3 miles and turn right onto FM 1447 WlFNl682 S. Travel 1.1 miles to FM 682 S (Evans Rd) and turn left. Travel 4.5 miles to the plant on the right.
D.	Nearest City: Yoakum
E.	State: TX
F.	ZIP Code: 77995

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Texas Commission on Environmental Quality

X.	**Application Area Information *(continued)***
G.	Latitude (nearest second): 29° 08' 02" N
H.	Longitude (nearest second): 97° 02' 20" W
I.	Are there any emission units that were not in compliance with the applicable requirements identified in the application at the time of application submittal? ☐ Yes ☒ No
J.	Indicate the estimated number of emission units in the application area: 92
K.	Are there any emission units in the application area subject to the Acid Rain Program? ☐ Yes ☒ No
L.	Affected Source Plant Code (or ORIS/Facility Code):
XI.	**Public Notice** *(Complete this section for SOP Applications and Acid Rain Permit Applications only.)*
A.	Name of a public place to view application and draft permit: Cuero Municipal Library
B.	Physical Address: 207 E Main St.
City: Cuero	
ZIP Code: 77954	
C.	Contact Person (Someone who will answer questions from the public during the public notice period):
Contact Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.):	
Contact Person Full Name: Daniel Quesada	
Contact Mailing Address: P.O. Box 4324	
City: Houston	
State: TX	
ZIP Code: 77210	
Territory:	
Country: USA	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.: 713-381-6770	

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Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.
XIII. Designated Representative (DR) Identifying Information
DR Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
DR Full Name:
DR Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:

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

Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.
XIV. Alternate Designated Representative (ADR) Identifying Information
ADR Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
ADR Full Name:
ADR Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:

3. TCEQ FORM OP-2

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

Date: 11/19/2024	
Permit No.: O-3184	
Regulated Entity No.: RN100220078	
Company Name: Enterprise Hydrocarbons L.P.	
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

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	☐ SO_2	☐ PM_{10}	☒ CO	☐ Pb	☒ HAP
Other:						
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.						

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

Date: 11/19/2024
Permit No.: O-3184
Regulated Entity No.: RN100220078
Company Name: Enterprise Hydrocarbons L.P.

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	SIG-E	NO	UNIT 185	OP-REQ2	N/A	Removing applicability of 40 CFR Part 63, Subpart ZZZZ.
2	SIG-E	NO	UNIT 186	OP-REQ2	N/A	Removing applicability of 40 CFR Part 63, Subpart ZZZZ.
3	SIG-E	NO	TANK 011	OP-UA3	N/A	Removal of TANK 011 from permit, as it is no longer at facility.
4	SIG-E	NO	TANK 027	OP-UA3	N/A	Removal of TANK 027 from permit, as it is no longer at facility.

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

Date: 11/19/2024		
Permit No.: O-3184		
Regulated Entity No.: RN100220078		
Company Name: Enterprise Hydrocarbons L.P.		
I.	**Significant Revision** *(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)*	
A.	Is the site subject to bilingual requirements pursuant to 30 TAC § 122.322?	☐ YES ☒ NO
B.	Indicate the alternate language(s) in which public notice is required:	
C.	Will, there be a change in air pollutant emissions as a result of the significant revision?	☐ YES ☒ NO

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

Using the table below, indicate the air pollutant(s) that will be changing and include a brief description of the change in pollutant emissions for each pollutant:

Pollutant	Description of the Change in Pollutant Emissions

4. TCEQ FORM OP-ACPS

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

Date: November 19, 2024	**Regulated Entity No.: 100220078**	**Permit No.: O-3184**
Company Name: Enterprise Hydrocarbons L.P.		**Area Name: Armstrong Gas Plant**

- 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 *Responsible Official* 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. *(For reference only)*	N/A
*	*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.*	

5. TCEQ FORM OP-SUMR

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.
11/19/2024	**O-3184**	**RN100220078**

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	1	UNIT 185	OP-REQ2	Caterpillar, Unit 185			
D	2	UNIT 186	OP-REQ2	Caterpillar, Unit 186			
D	3	TANK 011	OP-UA3	DEA Tank			
D	4	TANK 027	OP-UA3	Sulfa-Treat Tank			

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
11/19/2024	**O-3184**	**RN100220078**

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
3	TANK 011	OP-UA3	D	GRPTK2
4	TANK 027	OP-UA3	D	GRPTK4

6. TCEQ FORM OP-REQ1

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 1)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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

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

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 2)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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

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

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

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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

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

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 4)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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

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

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 5)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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

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

Date	Permit No.	Regulated Entity No.

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

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

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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

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

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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

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

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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

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

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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

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

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

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

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

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

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

IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds**		
	A.	**Applicability**	
♦	1.	The application area is located in the Houston/Galveston/Brazoria, Beaumont/Port Arthur, or Dallas/Fort Worth Eight-Hour area. *For SOP applications, if the response to Question IV.A.1 is "Yes," complete Sections IV.B - IV.F and IV.H.* *For GOP applications for GOPs 511, 512, 513, or 514, if the response to Question IV.A.1 is "Yes," go to Section IV.F.* *For GOP applications for GOP 517, if the response to Question IV.A.1 is "Yes," complete Sections IV.C and IV.F.* *For GOP applications, if the response to Question IV.A.1 is "No," go to Section VI.*	☐ Yes ☒ No
	2.	The application area is located in Bexar, Comal, Ellis, Hays, or McLennan County and includes a cement kiln. *If the response to Question IV.A.2 is "Yes," go to Question IV.H.1.*	☐ Yes ☒ No
	3.	The application area includes a utility electric generator in an east or central Texas county. *See instructions for a list of counties included.* *If the response to Question IV.A.3 is "Yes," go to Question IV.G.1.* *If the responses to Questions IV.A.1 - 3 are all "No," go to Question IV.H.1.*	☐ Yes ☒ No
	B.	**Utility Electric Generation in Ozone Nonattainment Areas**	
	1.	The application area includes units specified in 30 TAC §§ 117.1000, 117.1200, or 117.1300. *If the response to Question IV.B.1 is "No," go to Question IV.C.1.*	☐ Yes ☐ No
	2.	The application area is complying with a System Cap in 30 TAC §§ 117.1020 or 117.1220.	☐ Yes ☐ No

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

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

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

IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)**		
	F.	**Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines (continued)**	
♦	4.	The application area is located in the Dallas/Fort Worth Eight-Hour area (except for Wise County) and has units that qualify for an exemption under 30 TAC § 117.2103.	☐ Yes ☐ No
♦	5.	The application area has units subject to the emission specifications under 30 TAC §§ 117.2010 or 30 TAC § 117.2110.	☐ Yes ☐ No
	6.	The application area has a unit that has been approved for alternative case specific specifications (ACSS) in 30 TAC § 117.2025 or 30 TAC § 117.2125. *If the response to Question IV.F.6 is "No," go to Section IV.G.*	☐ Yes ☐ No
	7.	An ACSS for carbon monoxide (CO) has been approved?	☐ Yes ☐ No
	8.	An ACSS for ammonia (NH_3) has been approved?	☐ Yes ☐ No
	9.	Provide the Permit Number(s) and authorization/issuance date(s) of the NSR project(s) that incorporates an ACSS below.	
	G.	**Utility Electric Generation in East and Central Texas**	
	1.	The application area includes utility electric power boilers and/or stationary gas turbines (including duct burners used in turbine exhaust ducts) that were placed into service before December 31, 1995. *If the response to Question IV.G.1 is "No," go to Question IV.H.1.*	☐ Yes ☐ No
	2.	The application area is complying with the System Cap in 30 TAC § 117.3020.	☐ Yes ☐ No
	H.	**Multi-Region Combustion Control - Water Heaters, Small Boilers, and Process Heaters**	
	1.	The application area includes a manufacturer, distributor, retailer or installer of natural gas fired water heaters, boilers or process heaters with a maximum rated capacity of 2.0 MMBtu/hr or less. *If the response to question IV.H.1 is "No," go to Section V.*	☐ Yes ☒ No
	2.	All water heaters, boilers or process heaters manufactured, distributed, retailed or installed qualify for an exemption under 30 TAC § 117.3203.	☐ Yes ☐ No

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

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

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

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

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

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

VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	C.	**Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only) (continued)**	
♦	5.	One or more stationary gas turbines subject to 40 CFR Part 60, Subpart GG in the application area is injected with water or steam for the control of nitrogen oxides.	☐ Yes ☐ No
	D.	**Subpart XX - Standards of Performance for Bulk Gasoline Terminals**	
	1.	The application area includes bulk gasoline terminal loading racks. *If the response to Question VI.D.1 is "No," go to Section VI.E.*	☐ Yes ☒ No ☐ N/A
	2.	One or more of the loading racks were constructed or modified after December 17, 1980, and are not subject to 40 CFR Part 63, Subpart CC.	☐ Yes ☐ No
	E.	**Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO_2) Emissions**	
♦	1.	The application area includes affected facilities identified in 40 CFR § 60.640(a) that process natural gas (onshore). *For SOP applications, if the response to Question VI.E.1 is "No," go to Section VI.F. For GOP applications, if the response to Question VI.E.1 is or "N/A," go to Section VI.H.*	☐ Yes ☒ No
♦	2.	The affected facilities commenced construction or modification after January 20, 1984 and on or before August 23, 2011. *For SOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.2 is "No," go to Section VI.H.*	☐ Yes ☐ No
♦	3.	The application area includes a gas sweetening unit with a design capacity greater than or equal to 2 long tons per day (LTPD) of hydrogen sulfide but operates at less than 2 LTPD. *For SOP applications, if the response to Question VI.E.3 is "No," go to Section VI.F. For GOP applications, if the response to Question VI.E.3 is "No," go to Section VI.H.*	☐ Yes ☐ No

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

VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	E.	**Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO_2) Emissions (continued)**	
♦	4.	Federally enforceable operating limits have been established in the preconstruction authorization limiting the gas sweetening unit to less than 2 LTPD. *For SOP applications, if the response to Question VI.E.4. is "No," go to Section VI.F. For GOP applications, if the response to Question VI.E.4. is "No," go to Section VI.H.*	☐ Yes ☐ No
♦	5.	Please provide the Unit ID(s) for the gas sweetening unit(s) that have established federally enforceable operating limits in the space provided below	
	F.	**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants**	
	1.	The application area includes affected facilities identified in 40 CFR § 60.670(a)(1) that are located at a fixed or portable nonmetallic mineral processing plant. *If the response to Question VI.F.1 is "No," go to Section VI.G.*	☐ Yes ☒ No
	2.	Affected facilities identified in 40 CFR § 60.670(a)(1) and located in the application area are subject to 40 CFR Part 60, Subpart OOO.	☐ Yes ☐ No
	G.	**Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems**	
	1.	The application area is located at a petroleum refinery and includes one or more of the affected facilities identified in 40 CFR § 60.690(a)(2) - (4) for which construction, modification, or reconstruction was commenced after May 4, 1987. *If the response to Question VI.G.1 is "No," go to Section VI.H.*	☐ Yes ☒ No
	2.	The application area includes storm water sewer systems.	☐ Yes ☐ No

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
	N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)	
	***Applicability* (continued)**	
3.	The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). *If the response to Question VIII.N.3 is "No," go to Section VIII.O.*	☐ Yes ☐ No
4.	The application area is located at a plant site which emits or has equipment containing/contacting one or more of the HAPs listed in table 1 of 40 CFR Part 63, Subpart CC. *If the response to Question VIII.N.4 is "No," go to Section VIII.O.*	☐ Yes ☐ No
5.	The application area includes Group 1 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐ Yes ☐ No
6.	The application area includes Group 2 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐ Yes ☐ No
7.	The application area includes Group 1 or Group 2 wastewater streams that are conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. *If the response to Question VIII.N.7 is "No," go to Question VIII.N.13.*	☐ Yes ☐ No
8.	The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(i).	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
N.	**Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)**	
	***Applicability* (continued)**	
9.	The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(ii). *If the response to Question VIII.N.9 is "No," go to Question VIII.N.13.*	☐ Yes ☐ No
10.	The application area includes Group 2 wastewater streams or organic streams whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under the provisions of 40 CFR Part 61, Subpart FF on or after December 31, 1992.	☐ Yes ☐ No
	Containers, Drains, and other Appurtenances	
11.	The application area includes containers that are subject to the requirements of 40 CFR § 63.135 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	☐ Yes ☐ No
12.	The application area includes individual drain systems that are subject to the requirements of 40 CFR § 63.136 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	☐ Yes ☐ No
13.	The application area includes Group 1 gasoline loading racks as specified in § 63.650(a).	☐ Yes ☐ No
O.	**Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations**	
1.	The application area receives material that meets the criteria for off-site material as specified in 40 CFR § 63.680(b)(1). *If the response to Question VIII.O.1 is "No" or "N/A," go to Section VIII.P*	☐ Yes ☒ No ☐ N/A
2.	Materials specified in 40 CFR § 63.680(b)(2) are received at the application area.	☐ Yes ☐ No
3.	The application area has a waste management operation receiving off-site material and is regulated under 40 CFR Part 264 or Part 265.	☐ Yes ☐ No

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

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
O.	**Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)**	
11.	The application area receives offsite materials with average VOHAP concentration less than 500 ppmw at the point of delivery that are not combined with materials having a VOHAP concentration of 500 ppmw or greater. *If the response to Question VIII.O.11 is "No," go to Question VIII.O.14.*	☐ Yes ☐ No
12.	VOHAP concentration is determined by direct measurement.	☐ Yes ☐ No
13.	VOHAP concentration is based on knowledge of the off-site material.	☐ Yes ☐ No
14.	The application area includes an equipment component that is a pump, compressor, and agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector or instrumentation system. *If the response to Question VIII.O.14 is "No," go to Question VIII.O.17.*	☐ Yes ☐ No
15.	An equipment component in the application area contains or contacts off-site material with a HAP concentration greater than or equal to 10% by weight.	☐ Yes ☐ No
16.	An equipment component in the application area is intended to operate 300 hours or more during a 12-month period.	☐ Yes ☐ No
17.	The application area includes containers that manage non-exempt off-site material.	☐ Yes ☐ No
18.	The application area includes individual drain systems that manage non-exempt off-site materials.	☐ Yes ☐ No

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

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

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

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

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

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

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

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

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

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

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

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

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
X.	**Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)**	
5.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.1312.	☐ Yes ☐ No
6.	The application area includes process wastewater streams, located at existing sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐ Yes ☐ No
7.	The application area includes process wastewater streams, located at new sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐ Yes ☐ No
8.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.X.8 is "Yes," go to Question VIII.X.18.*	☐ Yes ☐ No
9.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.X.9 is "No," go to Question VIII.X.11.*	☐ Yes ☐ No
10.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ Yes ☐ No
11.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ Yes ☐ No
12.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.X.11 - VIII.X.12 are both "No," go to Question VIII.X.14.*	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
X.	**Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)**	
13.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ Yes ☐ No
	Containers	
14.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ Yes ☐ No
	Drains	
15.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.X.15 is "No," go to Question VIII.X.18.*	☐ Yes ☐ No
16.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐ Yes ☐ No
17.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐ Yes ☐ No
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a thermoplastic product process unit. *If the response to Question VIII.X.18 is "No," go to Section VIII.Y.*	☐ Yes ☐ No

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)		
	***Drains* (continued)**	
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.1330(b)(12). *If the response to Question VIII.X.19 is "NO," go to Section VIII.Y.*	☐ Yes ☐ No
20.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at any flow rate.	☐ Yes ☐ No
21.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an annual average flow rate greater than or equal to 10 liters per minute.	☐ Yes ☐ No
22.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an thermoplastic product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an average annual flow rate greater than or equal to 0.02 liter per minute	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**		
	Y.	**Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units.**	
	1.	The application area is subject to 40 CFR Part 63, Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units.	☐ Yes ☒ No
	Z.	**Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste (MSW) Landfills.**	
♦	1.	The application area is subject to 40 CFR Part 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills.	☐ Yes ☒ No
	AA.	**Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)**	
	1.	The application area is located at a site that includes process units that manufacture as a primary product one or more of the chemicals listed in 40 CFR § 63.2435(b)(1).	☐ Yes ☒ No
	2.	The application area is located at a plant site that is a major source as defined in FCAA § 112(a).	☒ Yes ☐ No
	3.	The application area is located at a site that includes miscellaneous chemical manufacturing process units (MCPU) that process, use or generate one or more of the organic hazardous air pollutants listed in § 112(b) of the Clean Air Act or hydrogen halide and halogen HAP. *If the response to Question VIII.AA.1, AA.2 or AA.3 is "No," go to Section VIII.BB.*	☐ Yes ☒ No
	4.	The application area includes process vents, storage vessels, transfer racks, or waste streams associated with a miscellaneous chemical manufacturing process subject to 40 CFR 63, Subpart FFFF. *If the response to Question VIII.AA.4 is "No," go to Section VIII.BB.*	☐ Yes ☐ No

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)		
5.	The application area includes process wastewater streams. *If the response to Question VIII.AA.5 is "No," go to Question VIII.AA.24.*	☐ Yes ☐ No
6.	The application area includes process wastewater streams, located at existing sources, that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 of 40 CFR Part 63, Subpart G or Table 8 and Table 9 of 40 CFR Part 63, Subpart FFFF, as appropriate.	☐ Yes ☐ No
7.	The application area includes process wastewater streams, located at existing sources, that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9 of 40 CFR Part 63, Subpart FFFF, as appropriate.	☐ Yes ☐ No
8.	The application area includes process wastewater streams, located at new sources, that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 of 40 CFR Part 63, Subpart G or Table 8 and Table 9 of 40 CFR Part 63, Subpart FFFF, as appropriate.	☐ Yes ☐ No
9.	The application area includes process wastewater streams, located at new sources, that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9 of 40 CFR Part 63, Subpart FFFF, as appropriate.	☐ Yes ☐ No
10.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.AA.10 is "Yes," go to Question VIII.AA.24.*	☐ Yes ☐ No
11.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.AA.11 is "No," go to Question VIII.AA.13.*	☐ Yes ☐ No
12.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ Yes ☐ No
13.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ Yes ☐ No

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

VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
	AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)	
14.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.AA.13 and VIII.AA.14 are both "No," go to Question VIII.AA.20.*	☐ Yes ☐ No
15.	Group 1 wastewater streams are transferred to an offsite treatment facility meeting the requirements of 40 CFR § 63.138(h). *If the response to Question VIII.AA.15 is "No," go to Question VIII.AA.17.*	☐ Yes ☐ No
16.	The option to document in the notification of compliance status report that the wastewater will be treated in a facility meeting the requirements of 40 CFR § 63.138(h) is elected.	☐ Yes ☐ No
17.	Group 1 wastewater streams or residuals with a total annual average concentration of compounds in Table 8 of 40 CFR Part 63, Subpart FFFF less than 50 ppmw are transferred offsite. *If the response to Question VIII.AA.17 is "No," go to Question VIII.AA.19.*	☐ Yes ☐ No
18.	The transferor is demonstrating that less than 5 percent of the HAP in Table 9 of 40 CFR Part 63, Subpart FFFF is emitted from waste management units up to the activated sludge unit.	☐ Yes ☐ No
19.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ Yes ☐ No
20.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ Yes ☐ No
21.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.AA.21 is "No," go to Question VIII.AA.24.*	☐ Yes ☐ No
22.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐ Yes ☐ No

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

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
BB.	**Subpart GGGG - National Emission Standards for Hazardous Air Pollutants for: Solvent Extractions for Vegetable Oil Production.**	
1.	The application area includes a vegetable oil production process that: is by itself a major source of HAP emissions or, is collocated within a plant site with other sources that are individually or collectively a major source of HAP emissions.	☐ Yes ☒ No
CC.	**Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation**	
1.	The application area includes a facility at which a site remediation is conducted. *If the answer to Question VIII.CC.1 is "No," go to Section VIII.DD.*	☐ Yes ☒ No
2.	The application area is located at a site that is a major source of HAP. *If the answer to Question VIII.CC.2 is "No," go to Section VIII.DD.*	☐ Yes ☐ No
3.	All site remediations qualify for one of the exemptions contained in 40 CFR § 63.7881(b)(1) through (6). *If the answer to Question VIII.CC.3 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No
4.	All site remediation activities are complete, and the Administrator has been notified in writing. *If the answer to Question VIII.CC.4 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No
5.	Prior to beginning site remediation activities, it was determined that the total quantity of HAP listed in Table 1 of Subpart GGGGG that will be removed during all site remediations will be less than 1 Mg/yr. *If the answer to Question VIII.CC.5 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No
6.	The site remediation will be completed within 30 consecutive calendar days.	☐ Yes ☐ No
7.	No site remediation will exceed 30 consecutive calendar days. *If the answer to Question VIII.CC.7 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No
8.	Site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility.	☐ Yes ☐ No
9.	All site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility. *If the answer to Question VIII.CC.9 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
CC.	**Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation (continued)**	
10.	The application area includes a remediation material management unit used for cleanup of radioactive mixed waste per § 63.7886(c).	☐ Yes ☐ No
11.	The application area includes a remediation material management unit or combination of units with a total annual quantity of HAP less than 1 Mg/yr that is being exempted from § 63.7886(b) per § 63.7886(d).	☐ Yes ☐ No
12.	The application area includes a remediation material management unit that has an average total VOHAP concentration of remediation material less than 500 ppmw and is complying with § 63.7886(b)(2). *If the response to Question VIII.CC.12 is "No," go to Question VIII.CC.14.*	☐ Yes ☐ No
13.	The application area includes a remediation material management unit that concentrates all or part of the material such that the material's VOHAP concentration could increase.	☐ Yes ☐ No
14.	The application area includes containers that manage site remediation materials subject to 40 CFR Part 63, Subpart GGGGG. *If the response to Question VIII.CC.14 is "No," go to Question VIII.CC.21.*	☐ Yes ☐ No
15.	The application area includes containers that are also subject to and complying with another subpart under 40 CFR part 61 or part 63 per § 63.7886(b)(3).	☐ Yes ☐ No
16.	The application area includes containers that are complying with alternative work practice standards that have been approved by the EPA per § 63.7900(e).	☐ Yes ☐ No
17.	The application area includes containers using Container Level 1 controls as specified in 40 CFR § 63.922(b).	☐ Yes ☐ No
18.	The application area includes containers with a capacity greater than 0.46 m^3 that meet the requirements of 40 CFR § 63.7900(b)(3)(i) and (ii).	☐ Yes ☐ No
19.	The application area includes containers using Container Level 2 controls as specified in 40 CFR § 63.923(b).	☐ Yes ☐ No
20.	The application area includes containers using Container Level 3 controls as specified in 40 CFR § 63.924(b).	☐ Yes ☐ No
21.	The application area includes individual drain systems complying with the requirements of 40 CFR § 63.962.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
DD.	**Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area/Sources: Electric Arc Furnace Steelmaking Facilities**	
1.	The application area includes an electric arc furnace (EAF) steelmaking facility, and the site is an area source of hazardous air pollutant (HAP) emissions. *If the response to Question VIII.DD.1 is "No," go to Section VIII.EE.*	☐ Yes ☒ No
2.	The EAF steelmaking facility is a research and development facility. *If the response to Question VIII.DD.2 is "Yes," go to Section VIII.EE.*	☐ Yes ☐ No
3.	Metallic scrap is utilized in the EAF.	☐ Yes ☐ No
4.	Scrap containing motor vehicle scrap is utilized in the EAF.	☐ Yes ☐ No
5.	Scrap not containing motor vehicle scrap is utilized in the EAF.	☐ Yes ☐ No
EE.	**Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities**	
1.	The application area is located at a site that is an area source of HAPs. *If the answer to Question EE.1 is "No," go to Section VIII.FF.*	☐ Yes ☒ No
2.	The application area includes a pipeline breakout station, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R.	☐ Yes ☐ No
3.	The application area includes a pipeline pumping station as defined in 40 CFR Part 63, Subpart BBBBBB.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
EE.	**Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities (continued)**	
4.	The application area includes a bulk gasoline plant as defined in 40 CFR Part 63, Subpart BBBBBB. *If the answer to Question VIII.EE.4 is "No," go to Question VIII.EE.6.*	☐ Yes ☐ No
5.	The bulk gasoline plant was operating, prior to January 10, 2010, in compliance with an enforceable State, local or tribal rule or permit that requires submerged fill as specified in 40 CFR § 63.11086(a).	☐ Yes ☐ No
6.	The application area includes a bulk gasoline terminal, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R or Subpart CC. *If the answer to Question VIII.EE.6 is "No," go to Section VIII.FF.*	☐ Yes ☐ No
7.	The bulk gasoline terminal has throughput of less than 250,000 gallons per day. *If the answer to Question VIII.EE.7 is "Yes," go to Section VIII.FF.*	☐ Yes ☐ No
8.	The bulk gasoline terminal loads gasoline into gasoline cargo tanks other than railcar cargo tanks.	☐ Yes ☐ No
9.	The bulk gasoline terminal loads gasoline into railcar cargo tanks. *If the answer to Question VIII.EE.9 is "No," go to Section VIII.FF.*	☐ Yes ☐ No
10.	The bulk gasoline terminal loads gasoline into railcar cargo tanks which do not collect vapors from a vapor balance system.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**		
	EE.	**Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities (continued)**	
	11.	The bulk gasoline terminal loads gasoline into railcar cargo tanks which collect vapors from a vapor balance system and that system complies with a Federal, State, local, tribal rule or permit.	☐ Yes ☐ No
	FF.	**Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities**	
♦	1.	The application area is located at a site that is an area source of hazardous air pollutants. *If the answer to Question VIII.FF.1 is "No," go to Section VIII.GG.*	☐ Yes ☒ No
♦	2.	The application area includes at least one gasoline dispensing facility as defined in 40 CFR § 63.11132. *If the answer to Question VIII.FF.2 is "No," go to Section VIII.GG.*	☐ Yes ☐ No
♦	3.	The application area includes at least one gasoline dispensing facility with a monthly throughput of less than 10,000 gallons.	☐ Yes ☐ No
♦	4.	The application area includes at least one gasoline dispensing facility where gasoline is dispensed from a fixed gasoline storage tank into a portable gasoline tank for the on-site delivery and subsequent dispensing into other gasoline-fueled equipment.	☐ Yes ☐ No
	GG.	**Recently Promulgated 40 CFR Part 63 Subparts**	
♦	1.	The application area is subject to one or more promulgated 40 CFR Part 63 subparts not addressed on this form. *If the response to Question VIII.GG.1 is "No," go to Section IX. A list of promulgated 40 CFR Part 63 subparts not otherwise addressed on OP-REQ1 is included in the instructions.*	☒ Yes ☐ No
♦	2.	Provide the Subpart designation (i.e. Subpart EEE) in the space provided below.	
Subpart ZZZZ			

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IX.	**Title 40 Code of Federal Regulations Part 68 (40 CFR Part 68) - Chemical Accident Prevention Provisions**		
	A.	**Applicability**	
♦	1.	The application area contains processes subject to 40 CFR Part 68, Chemical Accident Prevention Provisions, and specified in 40 CFR § 68.10.	☐ Yes ☒ No
	X.	**Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone**	
	A.	**Subpart A - Production and Consumption Controls**	
♦	1.	The application area is located at a site that produces, transforms, destroys, imports, or exports a controlled substance or product.	☐ Yes ☒ No ☐ N/A
	B.	**Subpart B - Servicing of Motor Vehicle Air Conditioners**	
♦	1.	Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area.	☐ Yes ☒ NO
	C.	**Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances**	
♦	1.	The application area sells or distributes one or more nonessential products (which release a Class I or Class II substance) that are subject to 40 CFR Part 82, Subpart C.	☐ Yes ☒ No ☐ N/A
	D.	**Subpart D - Federal Procurement**	
♦	1.	The application area is owned/operated by a department, agency, or instrumentality of the United States.	☐ Yes ☒ No ☐ N/A
	E.	**Subpart E - The Labeling of Products Using Ozone Depleting Substances**	
♦	1.	The application area includes containers in which a Class I or Class II substance is stored or transported prior to the sale of the Class I or Class II substance to the ultimate consumer.	☐ Yes ☒ No ☐ N/A
♦	2.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products containing a Class I or Class II substance.	☐ Yes ☒ No ☐ N/A
♦	3.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products manufactured with a process that uses a Class I or Class II substance.	☐ Yes ☒ No ☐ N/A

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

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

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XI.	Miscellaneous (continued)	
E.	**Title IV - Acid Rain Program**	
1.	The application area includes emission units subject to the Acid Rain Program (ARP), including the Opt-In Program.	☐ Yes ☒ No
2.	The application area includes emission units qualifying for the new unit exemption under 40 CFR § 72.7.	☐ Yes ☒ No
3.	The application area includes emission units qualifying for the retired unit exemption under 40 CFR § 72.8.	☐ Yes ☒ No
F.	**40 CFR Part 97, Subpart EEEEE - Cross-State Air Pollution Rule (CSAPR) NO_X Ozone Season Group 2 Trading Program**	
1.	The application area includes emission units subject to the requirements of the CSAPR NO_X Ozone Season Group 2 Trading Program. *If the response to Question XI.F.1 is "No," go to Question XI.F.7.*	☐ Yes ☒ No
2.	The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO_X and heat input.	☐ Yes ☐ No
3.	The application area includes gas or oil-fired units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO_X, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐ Yes ☐ No
4.	The application area includes gas or oil-fired peaking units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix E for NO_X, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐ Yes ☐ No
5.	The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for NO_X and heat input.	☐ Yes ☐ No
6.	The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for NO_X and heat input.	☐ Yes ☐ No
7.	The application area includes emission units that qualify for the CSAPR NO_X Ozone Season Group 2 retired unit exemption.	☐ Yes ☒ No

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XI.	Miscellaneous (continued)	
G.	**40 CFR Part 97, Subpart FFFFF - Texas SO_2 Trading Program**	
1.	The application area includes emission units complying with the requirements of the Texas SO_2 Trading Program. *If the response to Question XI.G.1 is "No," go to Question XI.G.6.*	☐ Yes ☒ No
2.	The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart B for SO_2 and 40 CFR Part 75, Subpart H for heat input.	☐ Yes ☐ No
3.	The application area includes gas or oil-fired units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix D for SO_2 and heat input.	☐ Yes ☐ No
4.	The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for SO_2 and heat input.	☐ Yes ☐ No
5.	The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for SO_2 and heat input.	☐ Yes ☐ No
6.	The application area includes emission units that qualify for the Texas SO_2 Trading Program retired unit exemption.	☐ Yes ☒ No
H.	**Permit Shield (SOP Applicants Only)**	
1.	A permit shield for negative applicability entries on Form OP-REQ2 (Negative Applicable Requirement Determinations) is being requested or already exists in the permit.	☒ Yes ☐ No

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XI.	**Miscellaneous (continued)**		
	I.	**GOP Type (Complete this section for GOP applications only)**	
♦	1.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 511 - Oil and Gas General Operating Permit for Brazoria, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Montgomery, Orange, Parker, Rockwall, Tarrant, Waller, and Wise Counties.	☐ Yes ☐ No
♦	2.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 512 - Oil and Gas General Operating Permit for Gregg, Nueces, and Victoria Counties.	☐ Yes ☐ No
♦	3.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 513 - Oil and Gas General Operating Permit for Aransas, Bexar, Calhoun, Matagorda, San Patricio, and Travis Counties.	☐ Yes ☐ No
♦	4.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 514 - Oil and Gas General Operating Permit for All Texas Counties Except Aransas, Bexar, Brazoria, Calhoun, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Gregg, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Matagorda, Montgomery, Nueces, Orange, Parker, Rockwall, San Patricio, Tarrant, Travis, Victoria, Waller, and Wise County.	☐ Yes ☐ No
♦	5.	The application area is applying for initial issuance, revision, or renewal of a solid waste landfill general operating permit under GOP No. 517 - Municipal Solid Waste Landfill general operating permit.	☐ Yes ☐ No
	J.	**Title 30 TAC Chapter 101, Subchapter H**	
♦	1.	The application area is located in a nonattainment area. *If the response to Question XI.J.1 is "No," go to Question XI.J.3.*	☐ Yes ☒ No
♦	2.	The applicant has or will generate emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☐ Yes ☐ No ☐ N/A
♦	3.	The applicant has or will generate discrete emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☐ Yes ☐ No ☒ N/A

Date	Permit No.	Regulated Entity No.
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For SOP applications, answer ALL questions unless otherwise directed.
♦ For GOP applications, answer ONLY these questions unless otherwise directed.

XI.	**Miscellaneous (continued)**		
	J.	**Title 30 TAC Chapter 101, Subchapter H (continued)**	
♦	4.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities have a collective uncontrolled design capacity to emit 10 tpy or more of NO_X. *If the response to Question XI.J.4 is "Yes," go to Question XI.J.6.*	☐ Yes ☒ No
♦	5.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities previously had a collective uncontrolled design capacity to emit 10 tpy or more of NO_X and is subject to 101.351(c).	☐ Yes ☒ No
	6.	The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I.	☐ Yes ☒ No
♦	7.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area and the site has a potential to emit more than 10 tpy of highly reactive volatile organic compounds (HRVOC) from facilities covered under 30 TAC Chapter 115, Subchapter H, Divisions 1 and 2.	☐ Yes ☒ No
♦	8.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area, the site has a potential to emit 10 tpy or less of HRVOC from covered facilities and the applicant is opting to comply with the requirements of 30 TAC Chapter 101, Subchapter H, Division 6, Highly Reactive VOC Emissions Cap and Trade Program.	☐ Yes ☒ No
	K.	**Periodic Monitoring**	
♦	1.	The applicant or permit holder is submitting at least one periodic monitoring proposal described on Form OP-MON in this application. *If the response to Question XI.K.1 is "Yes," go to Section XI.L.*	☐ Yes ☒ No
♦	2.	The permit currently contains at least one periodic monitoring requirement. *If the responses to Questions XI.K.1 and XI.K.2 are both "No," go to Section XI.L.*	☒ Yes ☐ No
♦	3.	All periodic monitoring requirements are being removed from the permit with this application.	☐ Yes ☒ No

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 84)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
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For SOP applications, answer ALL questions unless otherwise directed.
♦ For GOP applications, answer ONLY these questions unless otherwise directed.

XI.	**Miscellaneous (continued)**		
	L.	**Compliance Assurance Monitoring**	
♦	1.	The application area includes at least one unit that does not meet the CAM exemptions in 40 CFR § 64.2(b) for all applicable requirements that it is subject to, and the unit has a pre-control device potential to emit greater than or equal to the amount in tons per year required in a site classified as a major source. *If the response to Question XI.L.1 is "No," go to Section XI.M.*	☐ Yes ☒ No
♦	2.	The unit or units defined by XI.L.1 are using a control device to comply with an applicable requirement. *If the response to Question XI.L.2 is "No," go to Section XI.M.*	☐ Yes ☐ No
♦	3.	The permit holder has submitted a CAM proposal on Form OP-MON in a previous application.	☐ Yes ☐ No
♦	4.	The owner/operator or permit holder is submitting a CAM proposal on Form OP-MON according to the deadlines for submittals in 40 CFR § 64.5 in this application. *If the responses to Questions XI.L.3 and XI.L.4 are both "No," go to Section XI.M.*	☐ Yes ☐ No
	5.	The owner/operator or permit holder is submitting a CAM implementation plan and schedule to be incorporated as enforceable conditions in the permit.	☐ Yes ☐ No
	6.	Provide the unit identification numbers for the units for which the applicant is submitting a CAM implementation plan and schedule in the space below.	
♦	7.	At least one unit defined by XI.L.1 and XI.L.2 is using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2).	☐ Yes ☐ No
♦	8.	All units defined by XI.L.1 and XI.L.2 are using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2). *If the response to Question XI.L.8 is "Yes," go to Section XI.M.*	☐ Yes ☐ No

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

XI.	**Miscellaneous (continued)**		
	L.	**Compliance Assurance Monitoring (continued)**	
♦	9.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses particulate matter, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐ Yes ☐ No
♦	10.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐ Yes ☐ No
♦	11.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses a regulated pollutant other than particulate matter or VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐ Yes ☐ No
♦	12.	The control device in the CAM proposal as described by question XI.L.3 or XI.L.4 has a bypass.	☐ Yes ☐ No
	M.	**Title 30 TAC Chapter 113, Subchapter D, Division 5 - Emission Guidelines and Compliance Times**	
♦	1.	The application area includes at least one air curtain incinerator that commenced construction on or before December 9, 2004. *If the response to Question XI.M.1 is "No," or "N/A," go to Section XII.*	☐ Yes ☒ No ☐ N/A
♦	2.	All air curtain incinerators constructed on or before December 9, 2004 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐ Yes ☐ No
XII.	**New Source Review (NSR) Authorizations**		
	A.	**Waste Permits with Air Addendum**	
♦	1.	The application area includes a Municipal Solid Waste Permit or an Industrial Hazardous Waste with an Air Addendum. *If the response to XII.A.1 is "Yes," include the waste permit numbers and issuance date in Section XII.J.*	☐ Yes ☒ No

Date	Permit No.	Regulated Entity No.
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For SOP applications, answer ALL questions unless otherwise directed.
♦ For GOP applications, answer ONLY these questions unless otherwise directed.

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

Date	Permit No.	Regulated Entity No.
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For SOP applications, answer ALL questions unless otherwise directed.
♦ For GOP applications, answer ONLY these questions unless otherwise directed.

XII.	**New Source Review (NSR) Authorizations (continued)**		
	B.	**Air Quality Standard Permits (continued)**	
♦	11.	The application area includes at least one "Rock Crusher" Air Quality Standard Permit NSR authorization.	☐ Yes ☐ No
♦	12.	The application area includes at least one "Electric Generating Unit" Air Quality Standard Permit NSR authorization. *If the response to XII.B.12 is "No," go to Question XII.B.15.*	☐ Yes ☐ No
♦	13.	For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the East Texas Region.	☐ Yes ☐ No
♦	14.	For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the West Texas Region.	☐ Yes ☐ No
♦	15.	The application area includes at least one "Boiler" Air Quality Standard Permit NSR authorization.	☐ Yes ☐ No
♦	16.	The application area includes at least one "Sawmill" Air Quality Standard Permit NSR authorization.	☐ Yes ☐ No
	C.	**Flexible Permits**	
	1.	The application area includes at least one Flexible Permit NSR authorization.	☐ Yes ☒ No
	D.	**Multiple Plant Permits**	
	1.	The application area includes at least one Multi-Plant Permit NSR authorization.	☐ Yes ☒ No

Date	Permit No.	Regulated Entity No.
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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):

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

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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
17457	04/15/2013				

♦ **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
006	**05/05/1976**	**070**	**05/08/1972**	**106.511**	**09/04/2000**
006	**05/12/1981**	**072**	**05/08/1972**	**106.512**	**06/13/2001**
007	**11/05/1986**	**072**	**05/12/1981**		
009	**05/08/1972**	**082**	**12/01/1972**		
051	**11/05/1986**	**107**	**05/12/1981**		
053	**11/05/1986**	**106.263**	**11/01/2001**		
057	**05/05/1976**	**106.352**	**09/04/2000**		
057	**05/12/1981**	**106.352**	**02/27/2011**		
058	**05/08/1972**	**106.352**	**02/02/2012**		
058	**05/05/1976**	**106.352**	**11/22/2012**		
058	**05/12/1981**	**106.355**	**11/01/2001**		
059	**05/08/1972**	**106.359**	**09/10/2013**		
064	**05/08/1972**	**106.454**	**11/01/2001**		
066	**11/05/1986**	**106.492**	**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

7. TCEQ FORM OP-REQ2

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

Date	Permit No.	Regulated Entity No.
11/19/2024	**O-3184**	**RN100220078**

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
D	1	UNIT 185	OP-UA2	MACT ZZZZ	§ 63.6585(b) § 63.6675	As the compressor station pushes gas from the plant into a transmission pipeline, it does meet the definition for "Oil and gas production facility" and is not subject to MACT ZZZZ requirements.
D	2	UNIT 186	OP-UA2	MACT ZZZZ	§ 63.6585(b) § 63.6675	As the compressor station pushes gas from the plant into a transmission pipeline, it does meet the definition for "Oil and gas production facility" and is not subject to MACT ZZZZ requirements.

8. TCEQ FORM OP-PBRSUP

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 1)

Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	Registration Number	PBR No.	Registration Date
FL-1	99582	106.352	06/11/2024
FL-1	99582	106.492	06/11/2024
FL-2	99582	106.352	06/11/2024
FL-2	99582	106.492	06/11/2024
FL-3	99582	106.352	06/11/2024
FL-3	99582	106.492	06/11/2024
FUG-1	99582	106.352	06/11/2024
FUG-1	99582	106.352	06/11/2024
H-1	99582	106.352	06/11/2024
H-1 VENT	99582	106.352	06/11/2024
H-3	99582	106.352	06/11/2024
TL-1	99582	106.352	06/11/2024
TL-FUG	99582	106.352	06/11/2024

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 2)

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date
AMNVENT	106.352	10/24/2012
BOI-1	106.352	10/24/2012
BOI-1	106.352	10/24/2012
BOI-1S	106.352	10/24/2012
BOI-1S	106.352	10/24/2012
DEHYBOI	106.352	10/24/2012
DEHYBOI	106.352	10/24/2012
DEHYBOIS	106.352	10/24/2012
DEHYBOIS	106.352	10/24/2012
DEHYVENT	106.352	10/24/2012
FLSHTNK	106.352	10/24/2012
FUG KKK	106.352	10/24/2012
FUG KKK	106.352	10/24/2012
FUGOOOOA	106.352	10/24/2012
GO-FLARE1	106.352	10/24/2012
GO-FLARE1	106.492	10/24/2012
LD-L	106.352	10/24/2012
LD-M	106.352	10/24/2012
T-107	106.352	10/24/2012
931 S	6	5/5/1976
932 S	6	5/5/1976
933 S	6	5/5/1976
924 S	6	5/12/1981
925 S	6	5/12/1981
926 S	6	5/12/1981
927 S	6	5/12/1981
928 S	6	5/12/1981
929 S	6	5/12/1981
CT-1	9	5/8/1972
EMERGEN	106.511	9/4/2000
FIREPUMP	106.511	9/4/2000
FUG	66	11/5/1986
H-1S	107	5/12/1981
H-3S	107	5/12/1981
H-5	7	11/5/1986
H-5S	7	11/5/1986
LD-A	72	5/8/1972

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 2)

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date
LD-B	51	11/5/1986
LD-C	51	11/5/1986
LD-D	51	11/5/1986
LD-F	53	11/5/1986
LD-G	51	11/5/1986
LD-H	53	11/5/1986
LD-1	51	11/5/1986
LD-J	51	11/5/1986
LD-K	51	11/5/1986
OWSH-1	70	5/8/1972
PRO-AMINE	72	5/12/1981
PRO-FRAC1	72	5/5/1976
PRO-FRAC2	72	5/12/1981
PWSH-1	106.454	11/1/2001
STARTER	106.512	6/13/2001
TANK002	58	5/8/1972
TANK003	58	5/8/1972
TANK004	58	5/8/1972
TANK005	58	5/8/1972
TANK006	72	5/8/1972
TANK007	57	5/12/1981
TANK008	106.352	10/24/2012
TANK 009	57	5/5/1976
TANK 010	57	5/12/1981
TANK 012	106.352	10/24/2012
TANK 013	64	5/8/1972
TANK 015	57	5/12/1981
TANK 014	106.352	10/24/2012
TANK 016	57	5/12/1981
TANK 017	58	5/12/1981
TANK 018	58	5/5/1976
TANK 019	58	5/5/1976
TANK020	58	5/5/1976
TANK 021	59	5/8/1972
TANK022	58	5/5/1976
TANK023	58	5/12/1981
TANK024	59	5/8/1972

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date
TANK025	58	5/8/1972
TANK026	59	5/8/1972
TANK026	106.352	10/24/2012
TANK028	106.352	10/24/2012
TANK 029	106.352	10/24/2012
UNIT 184S	82	12/1/1972
UNIT 184	82	12/1/1972
UNIT 185	106.512	6/13/2001
UNIT 185S	106.512	6/13/2001
UNIT 186	106.512	6/13/2001
UNIT 186S	106.512	6/13/2001
UNIT 924	6	5/12/1981
UNIT 925	6	5/12/1981
UNIT 926	6	5/12/1981
UNIT 927	6	5/12/1981
UNIT 928	6	5/12/1981
UNIT 929	6	5/12/1981
UNIT 931	6	5/5/1976
UNIT 932	6	5/5/1976
UNIT 933	6	5/5/1976
FUG-C3 Dryer	106.352	10/24/2012
TK-1	106.352	10/24/2012
TL-1	106.352	10/24/2012
RB-STEAM	106.352	10/24/2012

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

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

PBR No.	Version No./Date

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
AMNVENT	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
BOI-1	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
BOI-1	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
BOI-1S	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
BOI-1S	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
931 S	6	5/5/1976	Record annual fuel consumption.
932 S	6	5/5/1976	Record annual fuel consumption.
933 S	6	5/5/1976	Record annual fuel consumption.
924 S	6	5/12/1981	Record annual fuel consumption.
925 S	6	5/12/1981	Record annual fuel consumption.
926 S	6	5/12/1981	Record annual fuel consumption.
927 S	6	5/12/1981	Record annual fuel consumption.
928 S	6	5/12/1981	Record annual fuel consumption.
929 S	6	5/12/1981	Record annual fuel consumption.
CT-1	9	5/8/1972	Record annual fuel consumption.
DEHYBOI	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
DEHYBOI	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
DEHYBOIS	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
DEHYBOIS	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
DEHYVENT	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
EMERGEN	106.511	9/4/2000	Record operating hours of the emergency engine whenever it is used to demonstrate that the maximum annual operating hours do not exceed 10% of the normal annual operating schedule of the primary equipment.
FIREPUMP	106.511	9/4/2000	Record operating hours of the emergency engine whenever it is used to demonstrate that the maximum annual operating hours do not exceed 10% of the normal annual operating schedule of the primary equipment.
FL-1	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FL-1	106.492	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FL-2	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FL-2	106.492	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FL-3	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FL-3	106.492	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FLSHTNK	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
FUG KKK	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
FUG KKK	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
FUGOOOOA	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
FUG-1	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FUG-1	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FUG	66	11/5/1986	Use underlying emission calculation methods to determine actual emissions.

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
GO-FLARE1	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
GO-FLARE1	106.492	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
H-1	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
H-1S	107	5/12/1981	Record annual fuel consumption.
H-3	106.352	4/15/1900	Use underlying emission calculation methods to determine actual emissions.
H-3S	107	5/12/1981	Record annual fuel consumption.
H-5	7	11/5/1986	Record annual fuel consumption.
H-5S	7	11/5/1986	Record annual fuel consumption.
LD-A	72	5/8/1972	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-B	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-C	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-D	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-F	53	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-G	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-H	53	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-1	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-J	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-K	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-L	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
LD-M	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
OWSH-1	70	5/8/1972	Use underlying emission calculation methods to determine actual emissions.
PRO-AMINE	72	5/12/1981	Use underlying emission calculation methods to determine actual emissions.
PRO-FRAC1	72	5/5/1976	Use underlying emission calculation methods to determine actual emissions.
PRO-FRAC2	72	5/12/1981	Use underlying emission calculation methods to determine actual emissions.
PWSH-1	106.454	11/1/2001	Use underlying emission calculation methods to determine actual emissions.
STARTER	106.512	6/13/2001	Record annual fuel consumption.
T-107	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK002	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions

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

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
TANK003	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK004	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK005	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK006	72	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK007	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK008	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK 009	57	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 010	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 012	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK 013	64	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 014	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK 015	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 016	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 017	58	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 018	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 019	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK020	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 021	59	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK022	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK023	58	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK024	59	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions

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

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
TANK025	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK026	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK026	59	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK028	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK 029	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TL-1	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
TL-FUG	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
UNIT 184S	82	12/1/1972	Record annual fuel consumption.
UNIT 184	82	12/1/1972	Record annual fuel consumption.
UNIT 185	106.512	6/13/2001	Record annual fuel consumption.
UNIT 185S	106.512	6/13/2001	Record annual fuel consumption.
UNIT 186	106.512	6/13/2001	Record annual fuel consumption.
UNIT 186S	106.512	6/13/2001	Record annual fuel consumption.
UNIT 924	6	5/12/1981	Record annual fuel consumption.
UNIT 925	6	5/12/1981	Record annual fuel consumption.
UNIT 926	6	5/12/1981	Record annual fuel consumption.
UNIT 927	6	5/12/1981	Record annual fuel consumption.
UNIT 928	6	5/12/1981	Record annual fuel consumption.
UNIT 929	6	5/12/1981	Record annual fuel consumption.
UNIT 931	6	5/5/1976	Record annual fuel consumption.
UNIT 932	6	5/5/1976	Record annual fuel consumption.
UNIT 933	6	5/5/1976	Record annual fuel consumption.
FUG-C3	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TK-1	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TL-1	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
RB-STEAM	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.

9. TCEQ FORM OP-UA2

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 4)
Federal Operating Permit Program
Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
Unit 928	63ZZZZ.01	MA.IOR	500+	02-		NORMAL	2SLB
Unit 929	63ZZZZ-01	MAJOR	500+	02-		NORMAL	25LB
Unit 931	63ZZZZ-01	MAJOR	500+	02-		NORMAL	2SLB
Unit 932	63ZZZZ-01	MAJOR	500+	02-		NORMAL	2SLB
Unit 933	63ZZZZ-01	MAJOR	500+	02-		NORMAL	2SLB
EMERGEN	63ZZZZ-03	MAJOR	100-250	06+		EMER-A	
FIREPUMP	63ZZZZ-03	MAJOR	100-250	06+		EMER.A	

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 5)
Federal Operating Permit Program
Table 2b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Operating Hours	Different Schedule	Emission Limitation	Displacement
Unit 928	63Z2ZZ-01					
Unit 929	63ZZZZ-01					
Unit 931	63ZZZZ-01					
Unit 932	632ZZZ-01					
Unit 933	63ZZZZ-01					
EMERGEN	63ZZZZ-03					
FIREPUMP	63ZZZZ-03					

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 6)
Federal Operating Permit Program
Table 2c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary 32BReciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Crankcase	Performance Test	Control Technique	Operating Limits	Monitoring System
Unit 928	63Z2ZZ-01					
Unit 929	63ZZZZ-01					
Unit 931	63ZZZZ-01					
Unit 932	632ZZZ-01					
Unit 933	63ZZZZ-01					
EMERGEN	63ZZZZ-03					
FIREPUMP	63ZZZZ-03					

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 8)
Federal Operating Permit Program
Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Construction/ Reconstruction/ Modification Date	Test Cell	Exemption	Temp Replacement	Horsepower	Fuel	AEL No.	Lean Burn	Commencing
Unit 928	60JJJJ-01	NO								
Unit 929	60JJJJ-01	NO								
Unit 931	60JJJJ-01	NO								
Unit 932	60JJJJ-01	NO								
Unit 933	60JJJJ-01	NO								
UNIT-185	60JJJJ-02	YES	NO	NONE	NO	1350+	NATGAS			CON
UNIT-186	60JJJJ-02	YES	NO	NONE	NO	1350+	NATGAS			CON
EMERGEN	60JJJJ-03	YES	NO	NONE	NO	100-130E	NATGAS		NO	CON
FIREPUMP	60JJJJ-04	YES	NO	NONE	NO	100-130E	NATGAS		NO	CON

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 9)
Federal Operating Permit Program
Table 4b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Displacement	Certified	Operation	Certified Modification	Service	Severe Duty	Optional Compliance
Unit 928	60JJJJ-01								
Unit 929	60JJJJ-01								
Unit 931	60JJJJ-01								
Unit 932	60JJJJ-01								
Unit 933	60JJJJ-01								
UNIT-185	60JJJJ-02	N07-0610-		NO			NON		
UNIT-186	60JJJJ-02	N07-0610-		NO			NON		
EMERGEN	60JJJJ-03	N0109+E		NO			EMERG		
FIREPUMP	60JJJJ-04	N0109-E							

10. TCEQ FORM OP-UA3

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 1)
Federal Operating Permit Program
Table 1: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart K: Standards of Performance for Storage Vessels for Petroleum Liquids
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Construction/ Modification Date	Storage Capacity	Product Stored	True Vapor Pressure	Storage Vessel Description	Reid Vapor Pressure	Maximum TVP	Estimated TVP	Control Device ID No.
GRPTKI	60K-01	73-								
GRPTK2	60K-02									
GRPTK3	60K-02									
GRPTK4	60K-02									
FLSHTNK	60K-05	73-								
T-107	60K-02									

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
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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.
GRPTKI	60Ka-01									
GRPTK2	60Ka-02	OTHER2								
GRPTK3	60Ka-03	PTLQ-2	40K-							
GRPTK4	60Ka-01									
FLSHTNK	60Ka-01									
T-107	60Ka-01									

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

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	WW Tank Control	Maximum TVP	Storage Vessel Description	AMEL ID No.	Guidepole	Reid Vapor Pressure	Control Device ID No.
GRPTKI	60Kb-01									
GRPTK2	60Kb-01									
GRPTK3	60Kb-01									
GRPTK4	60Kb-01	VOL	10K-20K							
FLSHTNK	60Kb-01									
T-107	60Kb-01	PTCD-BF3	420K-							

11. TCEQ FORM OP-UA6

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 1)
Federal Operating Permit Program
Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart D: Standards of Performance for Fossil Fuel-Fired Steam Generators
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Construction/ Modification Date	Covered Under Subpart Da or KKKK	Changes to Existing Affected Facility	Heat Input Rate	Alternate 42C	PM CEMS	Opacity Monitoring	Gas/Liquid Fuel	Fuels with 0.33 % or Less Sulfur	Specific Site
DEHYBOI	60D-01	78+	NO	NO	250-						
BOI-1	60D-01	78+	NO	NO	250-						
H-1	60D-01	78+	NO	NO	250-						
H-3	60D-01	78+	NO	NO	250-						
H-5	60D-01	78+	NO	NO	250-						

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 6)
Federal Operating Permit Program
Table 3a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Construction/Modification Date	Heat Input Capacity	Subpart Da	Changes to Existing Affected Facility	Subpart Ea, Eb, or AAAA	Subpart KKKK	Subpart Cb or BBBB
DEHYBOI	60D-01	05+CR	100-					
BOI-1	60D-02	84-						
H-1	60D-02	84-						
H-3	60D-02	84-						
H-5	60D-02	84-						

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 11)
Federal Operating Permit Program
Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Dc: Standards of Performance for Industrial-Commercial Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Construction/ Modification Date	Maximum Design Heat Input Capacity	Applicability	Heat Input Capacity	D-Series Fuel Type	D-Series Fuel Type	D-Series Fuel Type	ACF Option SO_2	ACF Option PM	30% Coal Duct Burner
DEHYBOI	60D-01	05+	10-								
BOI-1	60D-02	89-									
H-1	60D-02	89-									
H-3	60D-02	89-									
H-5	60D-02	89-									

12. TCEQ FORM OP-UA7

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 1)
Federal Operating Permit Program
Table 1: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Control of Air Pollution from Visible Emissions and Particulate Matter

Date	Permit No.:	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No	Acid Gases Only	Emergency/Upset Conditions Only	Alternate Opacity Limitation (AOL)	AOL ID No.	Construction Date
FL-1	R1111-01	NO	YES			
FL-2	R1111-01	NO	NO			
FL-3	R1111-02	NO	NO	NO		72+
GO-FLARE1	R1111-02	NO	NO	NO		72+

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 3)
Federal Operating Permit Program
Table 3: Title 40 Code of Federal Regulations Part 60 and 61 (40 CFR Part 60 and 40 CFR Part 61)
Subpart A: General Provisions of Standards of Performance for New Stationary Sources and National Emission Standards for Hazardous Air Pollutants

Date	Permit No.:	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Subject to 40 CFR §60.18	Adhering to Heat Content Specifications	Flare Assist Type	Flare Exit Velocity	Heating Value of Gas
FL-1	60A-01	YES	YES	NONE	60-	
FL-2	60A-01	YES	YES	NONE	60-	
FL-3	60A-01	NO				
GO-FLARE1	60A-01	YES	YES	NONE	60-	

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 4)
Federal Operating Permit Program
Table 4: Title 40 Code of Federal Regulations Part 63
Subpart A: General Provisions of National Emission Standards for Hazardous Air Pollutants for Source Categories

Date	Permit No.:	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Required Under 40 CFR Part 63	Heat Content Specification	Flare Assist Type	Flare Exit Velocity	Heating Value of Gas
FL-1	63A-01	NO				
FL-2	63A-01	NO				
FL-3	63A-01	NO				
GO-FLARE1	63A-02	YES	YES	AIR		

13. TCEQ FORM OP-UA10

Gas Sweetening/Sulfur Recovery Unit Attributes
Form OP-UA10 (Page 1)
Federal Operating Permit Program
Table 1: Title 30 Texas Administrative Code Chapter 112 (30 TAC Chapter 112)
Control of Air Pollution from Sulfur Compounds
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Process ID No.	SOP/GOP Index No.	Sulfur Recovery Plant	Stack Height	Emission Point ID No.
PRO-AMINE	R112-01	NO		
AMNVENT	R112-01	NO		

14. TCEQ FORM OP-UA11

Stationary Turbine Attributes
Form OP-UA11 (Page 1)
Federal Operating Permit Program
Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GG: Stationary Gas Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Peak Load Heat Input	Construction/ Modification Date	Turbine Cycle	Subpart GG Service Type	Federal Register	Manufacturer's Rated Base Load
Unit 924	60GG-01	10-100	77-82	SIMPLE	OTHER		
Unit 925	60GG-01	10-100	77-82	SIMPLE	OTHER		
Unit 926	60GG-01	10-100	77-82	SIMPLE	OTHER		
Unit 927	60GG-01	10-100	77-82	SIMPLE	OTHER		
Unit 930	60GG-02	10-100	82-04	SIMPLE	OTHER		
Unit 184	60GG-03	10-100	77-				

Stationary Turbine Attributes
Form OP-UA11 (Page 2)
Federal Operating Permit Program
Table 1b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GG: Stationary Gas Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	NO_x Control Method	NO_x Monitoring Method	Alternative Monitoring ID No.	Regulated Under Part 75	Turbine Combustion Process	CEMS Performance Evaluation
Unit 924	60GG-01						
Unit 925	60GG-01						
Unit 926	60GG-01						
Unit 927	60GG-01						
Unit 930	60GG-02	NONE	NONE				
Unit 184	60GG-03						

Stationary Turbine Attributes
Form OP-UA11 (Page 3)
Federal Operating Permit Program
Table 1c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GG: Stationary Gas Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Duct Burner	NO_x Allowance	Sulfur Content	Fuel Type Fired	Fuel Supply	Fuel Monitoring Schedule	Custom Fuel Monitoring ID No.
Unit 924	60GG-01		NO	YES	NG	NONE	331U	
Unit 925	60GG-01		NO	YES	NG	NONE	331U	
Unit 926	60GG-01		NO	YES	NG	NONE	331U	
Unit 927	60GG-01		NO	YES	NG	NONE	331U	
Unit 930	60GG-02		NO	YES	NG	NONE	331U	
Unit 184	60GG-03		NO	YES	NG	NONE	331U	

Stationary Turbine Attributes
Form OP-UA11 (Page 11)
Federal Operating Permit Program
Table 5: Title 40 Code of Federal Regulations, Part 63 (40 CFR, Part 63)
Subpart YYYY: National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Construction/ Reconstruction Date	Rated Peak Power Output	Type of Service	Fuel Fired	Turbine Combustion Process	Oxidation Catalyst	Alternate Limitations	Previous Performance Test	Distillate Oil Fired
Unit 924	63YYYY-01	03-								
Unit 925	63YYYY-01	03-								
Unit 926	63YYYY-01	03-								
Unit 927	63YYYY-01	03-								
Unit 930	63YYYY-01	03-								
Unit 184	63YYYY-01	03-								

Stationary Turbine Attributes
Form OP-UA11 (Page 12)
Federal Operating Permit Program
Table 6a: Title 40 Code of Federal Regulations (40 CFR Part 60)
Subpart KKKK: Stationary Combustion Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Unit Type	Construction/Modification Date	Heat Input	Subject to Da	Service Type	NO_x Standard	Fuel Type
Unit 924	60KKKK-01	SIMPLE	2005-					
Unit 925	60KKKK-01	SIMPLE	2005-					
Unit 926	60KKKK-01	SIMPLE	2005-					
Unit 927	60KKKK-01	SIMPLE	2005-					
Unit 930	60KKKK-01	SIMPLE	2005-					
Unit 184	60KKKK-01	SIMPLE	2005-					

15. TCEQ FORM OP-UA12

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 1)
Federal Operating Permit Program
Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Facility Type	Construction/ Modification Date	Facility Covered by 40 CFR Part 60, Subparts VV or GGG	Title 40 CFR Part 60, Subpart KKK Fugitives Unit Components				
					Compressors	Reciprocating Compressor in Wet Gas Service	AMEL	AMEL ID No.	Complying with § 60.482-3
FUG	60KKK-01	GROUP	84-						
FUG-1	60KKK-02	OTHER							
FUG-KKK	60KKK-03	GROUP	84-11	NO	NO	NO			NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 2)
Federal Operating Permit Program
Table 1b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)					
		Any Component		Pumps			
		Vacuum Service	Non-VOC or Non-Wet Gas Service	Light Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-2
FUG	60KKK-01						
FUG-1	60KKK-02						
FUG-KKK	60KKK-03	NO	NO	YES	NO		YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 3)
Federal Operating Permit Program
Table 1c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit No.	SOP Index No.	Title 30 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)							
		Pumps (continued)					Pressure Relief Device		
		Heavy Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-8	Gas/Vapor Service	AMEL	AMEL ID No.	Complying with § 60.482-4
FUG	60KKK-01								
FUG-1	60KKK-02								
FUG-KKK	60KKK-03	NO			NO	NO			NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 4)
Federal Operating Permit Program
Table 1d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

		Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)							
					Pressure Relief Devices (continued)				
Unit ID No.	SOP Index No.	Light Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-8	Heavy Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-8
FUG	60KKK-01								
FUG-1	60KKK-02								
FUG-KKK	60KKK-03	YES	NO		YES	NO			NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 5)
Federal Operating Permit Program
Table 1e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

		Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)							
Unit ID No.	SOP Index No.	Open-ended Valves or Lines	AMEL	AMEL ID No.	Complying with § 60.482-6	Flanges and Other Connectors	AMEL	AMEL ID No.	Complying with § 60.482-8
FUG	60KKK-01								
FUG-1	60KKK-02								
FUG-KKK	60KKK-03	NO			NO	YES	NO		YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 6)
Federal Operating Permit Program
Table 1f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)								
		Valves								
		2% Valves Leaking	Gas/Vapor Service	AMEL	AMEL ID No.	Complying with § 60.482-7	Light Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-7
FUG	60KKK-01									
FUG-1	60KKK-02									
FUG-KKK	60KKK-03	NO	YES	NO		YES	YES	NO		YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 7)
Federal Operating Permit Program
Table 1g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

		Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)								
		Valves (continued)					Closed Vent Systems and		Control Devices	
Unit ID No.	SOP Index No	Heavy Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-8	Control Devices used to comply with AMEL	AMEL ID No.	Flare	Control Device ID No.	Complying with §60.482-10
FUG	60KKK-01									
FUG-1	60KKK-02									
FUG-KKK	60KKK-03	NO			NO	NO				NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 8)
Federal Operating Permit Program
Table 1h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Closed Vent Systems and Control Fugitive Devices Unit Components (continued)					
		Vapor Recovery System	Control Device ID No.	Complying with § 60.482-10	Enclosed Combustion Device	Control Device ID No.	Complying with § 60.482-10
FUG	60KKK-01						
FUG-1	60KKK-02						
FUG-KKK	60KKK-03	NO		NO	NO		NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 9)
Federal Operating Permit Program
Table 1i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)		
		Control Device(s) and Closed Vent Systems (continued)		
		Closed-Vent Systems	Complying with § 60.482-10	Control Device ID No.
FUG	60KKK-01			
FUG-1	60KKK-02			
FUG-KKK	60KKK-03	NO	NO	

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 10)
Federal Operating Permit Program
Table 1j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Fugitive Unit Description
FUG	60KKK-01	Facilities constructed before January 20, 1984
FUG-1	60KKK-02	Facilities are not considered a natural gas processing plant,
FUG-KKK	60KKK-03	Plant fugitives applicable to Subpart KKK.

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 98)
Federal Operating Permit Program
Table 13a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	AMEL	AMEL ID No.	Subject to Another Regulation	VHAP Weight Percent	< 300 Operating Hours	Vacuum Service	Sampling Connection Systems
FUG-1	63HH-01	NO		NONE	10-	NO		

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 173)
Federal Operating Permit Program
Table 19e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Construction/Modification Date	Fugitive Component	AMEL	Subject to Another Regulation
FUG OOOOA	60OOOOa	15+	EQNGPP		NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 174)
Federal Operating Permit Program
Table 19f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components					
			Pumps				
		Any Vacuum Service	Light Liquid Service	Design Capacity < 10MM	AMEL	AMEL ID No.	Complying with 60.482-2a
FUG OOOOA	60OOOOa	NO	YES	NO	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 175)
Federal Operating Permit Program
Table 19g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components			
		Pressure Relief Devices			
		Gas/Vapor Service	Design Capacity < 10MM	AMEL	Complying with 60.482-4a
FUG OOOOA	60OOOOa	YES	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 176)
Federal Operating Permit Program
Table 19h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Title 40 CFR Part60, Subpart OOOOa Fugitive Unit Components (continued)			
		Valves			
		Open-Ended	AMEL	AMEL ID No.	Complying with 60.482-6a
FUG OOOOA	60OOOOa	YES	NO	NO	YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 177)
Federal Operating Permit Program
Table 19i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Title 40CFR Part 60, Subpart OOOOa Fugitives Unit Components (continued)					
		Valves					
		Gas/Vapor or Light Liquid Service	Design Capacity < 10MM	2.0%	AMEL	AMEL ID No.	Complying with 60.482-7a
FUG OOOOA	60OOOOa	YES	NO	NO	NO	NO	YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 178)
Federal Operating Permit Program
Table 19j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)							
		Pumps				Valves			
		Heavy Liquid Service	AMEL	AMEL ID No.	Complying with 60.482-8a	Heavy Liquid Service	AMEL	AMEL ID No.	Complying with 60.482-8a
FUG OOOOA	60OOOOa	NO	NO	NO	NO	NO	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 179)
Federal Operating Permit Program
Table 19k: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)							
		Pressure Relief Devices				Connectors			
		Heavy or Light Liquid Service	AMEL	AMEL ID No.	Complying with 60.482-8a	Heavy Liquid Service	AMEL	AMEL ID No.	Complying with 60.482-8a
FUG OOOOA	60OOOOa	YES	NO	NO	NO	NO	NO	NO	YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 180)
Federal Operating Permit Program
Table 19l: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

		Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)				
		Closed-Vent Systems and Control Devices (continued)				
Unit ID. No.	SOP/GOP Index No.	Vapor Recovery System	AMEL	AMEL ID No.	Complying with 60.482-10a	Control Device ID No.
FUG OOOOA	60OOOOa	NO	NO	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 181)
Federal Operating Permit Program
Table 19m: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

		Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)				
		Closed-Vent Systems and Control Devices (continued)				
Unit ID. No.	SOP/GOP Index No.	Enclosed Combustion Device	AMEL	AMEL ID No.	Complying with 60.482-10a	Control Device ID No.
FUG OOOOA	60OOOOa	NO	NO	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 182)
Federal Operating Permit Program
Table 19n: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

		Title 40 CFR Part	60, Subpart OOOOa	Fugitive Unit	Components	(continued)
		Control Devices				
Unit ID. No.	SOP/GOP Index No.	Flare	AMEL	AMEL ID No.	Complying with 60.482-10a	Control Device ID No.
FUG OOOOA	60OOOOa	NO	NO	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 183)
Federal Operating Permit Program
Table 19o: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

		Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)								
		Control Devices				Connectors				
Unit ID. No.	SOP/GOP Index No	CVS	AMEL	AMEL ID No.	Complying with 60.482-10a	Gas/Vapor or Light Liquid Service	Design Capacity < 10MM	AMEL	AMEL ID No.	Complying with 60.482-11a
FUG OOOOA	60OOOOa	NO	NO	NO	NO	YES	NO	NO	NO	YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 184)
Federal Operating Permit Program
Table 19p: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued) Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Description
FUG OOOOA	60OOOOa	Fugitive components added after September 18, 2015.

16. TCEQ FORM OP-UA13

Texas Commission on Environmental Quality
Cooling Tower Attributes
Form OP-UA13 (Page 1)
Federal Operating Permit Program
Table 1: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart Q: National Emission Standards for Hazardous Air Pollutants (HAPs) for Industrial Process Cooling Towers

Date	Permit No.:	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Used Compounds Containing Chromium on or After September 8, 1994	Initial Start-up Date
CT-1	63Q-01	NO	

17. TCEQ FORM OP-UA15

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 1)
Federal Operating Permit Program
Table 1a: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Subchapter A: Visible Emissions
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Emission Point ID No.	SOP/GOP Index No.	Alternate Opacity Limitation	AOL ID No.	Vent Source	Opacity Monitoring System	Construction Date	Effluent Flow Rate
GRP111A	R1111-01	NO		OTHER	NONE	72-	100-
GRP111B	R1111-02	NO		OTHER	NONE	72+	100-

18. TCEQ FORM OP-UA62

Texas Commission on Environmental Quality
Glycol Dehydration Unit Attributes
Form OP-UA62 (Page 1)
Federal Operating Permit Program

Table 1a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subchapter HH: National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities

Date:	**11/19/2024**
Permit No.:	**O-3184**
Regulated Entity No.:	**RN100220078**

GOP Questions highlighted.

Emission Point ID No.	SOP/GOP Index No.	Alternate Means of Emission Limitation (AMEL)	AMEL ID No.	HAP Source	Affected Source Type	Area Source Exemption	Existing Unit
DEHYVENT	63HH-01	NO		MAJOR	SMALL		YES

Texas Commission on Environmental Quality
Glycol Dehydration Unit Attributes
Form OP-UA62 (Page 2)
Federal Operating Permit Program

Table 1b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subchapter HH: National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities

Date:	**11/19/2024**
Permit No.:	**O-3184**
Regulated Entity No.:	**RN100220078**

Emission Point ID No.	SOP/GOP Index No.	Process Vent Control	Bypass Device	Flow Indicator	Sealed Closed Vent System	Unsafe to Inspect	Difficult to Inspect
DEHYVENT	63HH-01	BTEX	NO		YES	YES	YES

Texas Commission on Environmental Quality
Glycol Dehydration Unit Attributes
Form OP-UA62 (Page 3)
Federal Operating Permit Program
Table 1c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subchapter HH: National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities

Date:	**11/19/2024**
Permit No.:	**O-3184**
Regulated Entity No.:	**RN100220078**

Emission Point ID No.	SOP/GOP Index No.	Control Device Type	Control Device ID No.	Control Device Operation	Performance Test/ Design Analysis Exemption	Performance Test or Design Analysis
DEHYVENT	63HH-01	FLARE	FL-3			

Steven Piper

From: eNotice TCEQ
Sent: Tuesday, November 19, 2024 4:03 PM
To: Lois.Kolkhorst@senate.texas.gov; Geanie.morrison@house.texas.gov
Subject: TCEQ Notice - Permit Number O3184
Attachments: TCEQ Notice - O3184_37417.pdf

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

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

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

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 19, 2024

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

Re: Accepted Federal Operating Permit Renewal Application
Project Number: 37417
Permit Number: O3184
Enterprise Hydrocarbons L.P.
Armstrong Gas Plant
Yoakum, Dewitt County
Regulated Entity Number: RN100220078
Customer Reference Number: CN602718553

Dear Senator Kolkhorst:

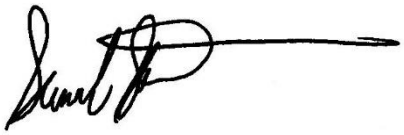
This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) renewal application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.038888,29.133888&level=13.

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

Re: Accepted Federal Operating Permit Renewal Application

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

Sincerely,



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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 19, 2024

THE HONORABLE GEANIE W MORRISON
TEXAS HOUSE OF REPRESENTATIVES
PO BOX 2910
AUSTIN TX 78768-2910

Re: Accepted Federal Operating Permit Renewal Application
Project Number: 37417
Permit Number: O3184
Enterprise Hydrocarbons L.P.
Armstrong Gas Plant
Yoakum, Dewitt County
Regulated Entity Number: RN100220078
Customer Reference Number: CN602718553

Dear Representative Morrison:

This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) renewal application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.038888,29.133888&level=13.

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

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

Sincerely,

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

Texas Commission on Environmental Quality

Title V Existing

3184

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	ARMSTRONG GAS PLANT
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	From the intx of Hwy 111 and Edgar St (FM 682) in Yoakum, head s on Edgar St for 0.5 mi and turn l onto Burt St (still considered FM 682) Travel on FM 682 for 8.3 mi and turn r onto FM 1447 W/FM 682 S. Travel 1.1 mi to FM 682 S and turn L. Travel 4.5 mi
City	Yoakum
State	TX
ZIP	77995
County	DEWITT
Latitude (N) (##.######)	29.133888
Longitude (W) (-###.######)	97.038888
Primary SIC Code	1321
Secondary SIC Code	
Primary NAICS Code	211112
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN100220078
What is the name of the Regulated Entity (RE)?	ARMSTRONG GAS PLANT
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	10 MI S OF YOAKUM ON FM 682
City	YOAKUM
State	TX
ZIP	77995
County	DEWITT
Latitude (N) (##.######)	29.146388
Longitude (W) (-###.######)	-97.0375
Facility NAICS Code	
What is the primary business of this entity?	NATURAL GAS COMPRESSOR STATION

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN602718553
Type of Customer	Partnership
Full legal name of the applicant:	
Legal Name	Enterprise Hydrocarbons L.P.
Texas SOS Filing Number	4910911
Federal Tax ID	742779752

State Franchise Tax ID	17427797521
State Sales Tax ID	
Local Tax ID	
DUNS Number	836434290
Number of Employees	501+
Independently Owned and Operated?	

Responsible Official Contact

Person TCEQ should contact for questions about this application:	
Organization Name	ENTERPRISE HYDROCARBONS LP
Prefix	MR
First	GRAHAM
Middle	
Last	BACON
Suffix	
Credentials	
Title	EXECUTIVE VICE PRESIDENT
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 4324
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77210
Phone (###-###-####)	7133816595
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	2818878086
E-mail	environmental@eprod.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application	
Select existing DAR contact or enter a new contact.	BRADLEY COOLEY(ENTERPRISE PROD...)
Organization Name	ENTERPRISE PRODUCTS OPERATING LLC
Prefix	MR
First	BRADLEY
Middle	
Last	COOLEY
Suffix	
Credentials	
Title	SENIOR DIRECTOR
Enter new address or copy one from list	
Mailing Address	
Address Type	Domestic

Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 4324
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
Zip	77210
Phone (###-###-####)	7133816595
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	2818878086
E-mail	environmental@eprod.com

Technical Contact

Person TCEQ should contact for questions about this application:	
Select existing TC contact or enter a new contact.	DANIEL QUESADA(ENTERPRISE HYDR...)
Organization Name	ENTERPRISE HYDROCARBONS LP
Prefix	MR
First	DANIEL
Middle	
Last	QUESADA
Suffix	
Credentials	
Title	ENVIRONMENTAL ENGINEER
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 4324
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77210
Phone (###-###-####)	7133816770
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	dequesada@eprod.com

Title V General Information - Existing

1) Permit Type:	SOP
2) Permit Latitude Coordinate:	29 Deg 8 Min 2 Sec
3) Permit Longitude Coordinate:	97 Deg 2 Min 20 Sec
4) Is this submittal a new application or an update to an existing application?	Update
4.1. Select the permit/project number for which this update should be applied.	3184-37417
5) Who will electronically sign this Title V application?	Duly Authorized Representative

6) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	No

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

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

[File Properties]

File Name	OP-2-Updated.pdf
Hash	A9E6679E74D28901368784EF5551448DE7B92A1EC964144D299704B2EC138336
MIME-Type	application/pdf

Attach OP-ACPS (Application Compliance Plan and Schedule)

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

[File Properties]

File Name	OP-REQ1 - Updated.pdf
Hash	82C6D9B2B6ED0F09B0A22CFA52A99AE02132F91D91E446693769AA6D7613FEB4
MIME-Type	application/pdf

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

[File Properties]

File Name	OP-PBRSUP-Updated.pdf
Hash	BA0321B3FE53B4F838F0BAA83C6265066EDCEEA314716D165195E2A379F413EC
MIME-Type	application/pdf

Attach OP-SUMR (Individual Unit Summary for Revisions)

[File Properties]

File Name	OP-SUMR-Updated.pdf
Hash	52D0DEC62092BD60873AB37D8C9E1A36C2F1165AF966C2F86741A101BB71C30A
MIME-Type	application/pdf

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

[File Properties]

File Name	OP-UA Forms-Updated.pdf
Hash	0F8E43A854B9A9E5BC2B4627E36FF7C49FC129277ED4B6BE96BF9928EEAD588C
MIME-Type	application/pdf

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

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach Void Request Form

Attach any other necessary information needed to complete the permit.

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

Certification

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

1. I am Bradley J Cooley, the owner of the STEERS account ER101133.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcemer 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 3184.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Bradley J Cooley OWNER OPERATOR

Account Number:	ER101133
Signature IP Address:	50.58.14.5
Signature Date:	2025-03-12
Signature Hash:	6F18E8530E275F931FC5AA0D504A170C9E3D9D71071C47C7F1F7629BDEB0FE3E
Form Hash Code at time of Signature:	0ED7FF94C669291C0DAF77AAE10A17C4DBE590EF3BE9D26567A7FB533FC59047

Submission

Reference Number:	The application reference number is 767081
Submitted by:	The application was submitted by ER101133/Bradley J Cooley
Submitted Timestamp:	The application was submitted on 2025-03-12 at 12:28:54 CDT
Submitted From:	The application was submitted from IP address 50.58.14.5
Confirmation Number:	The confirmation number is 638644
Steers Version:	The STEERS version is 6.88
Permit Number:	The permit number is 3184

Additional Information

Application Creator: This account was created by Daniel Quesada

From: Rhyan Stone
Sent: Wednesday, March 5, 2025 2:02 PM
To: Samantha Mendez; Quesada, Daniel
Cc: Bissonnette, Daniel; Alfredo Mendoza
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Good afternoon Daniel,

This email is to confirm the **March 12** extension for submitting the OP-CRO1 that we discussed on the phone. We will be on the lookout for the certification next week.

Thanks,
Rhyan

Rhyan S. Stone
Team Leader
Operating Permits Section
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087, MC 163
Austin, TX 78711
Phone: (512) 239 -1293

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

---

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Monday, March 3, 2025 3:34 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Good afternoon,

I hope this email finds you well.

To replace unit BOI-1 with unit RB-STEAM, I will need form OP-SUMR to reflect this new unit.

Additionally, I will be needing an OP-CRO1 for all previous updates submitted that have not yet been certified.

Please get back to me by **March 7, 2025** with an updated OP-SUMR and OP-CRO1. The application updates can be certified via STEERS in lieu of submitting a hard copy.

If you have any questions or concerns, please feel free to contact me.

Thank you for your cooperation!

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

---

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Friday, February 14, 2025 8:58 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Attached is the working draft permit with my comments. I've responded to your original request in red text.

In addition, an OP-NOTIFY was submitted in February 2023 and acknowledged by TCEQ on March 22, 2023 that authorized the addition of a 60 MMBtu/hr steam reboiler, RB-STEAM. This unit replaced BOI-1. As a result, I've made the following updates to previously submitted forms beyond your original request.

The change to the OP-UA12 is unrelated to this item and is simply a correction.

OP-UA6

Removed BOI-1 and added RB-STEAM.

OP-2
Submitting updated OP-2 form to remove T-501A, T-501B, T-501C, Glytank, Tank 011, Tank 027, BLCS1, BLCS2 and BOI-1. Added RB-STEAM.

OP-PBRSUP
Removed reference to BOI-1. RB-STEAM was already listed on this form.

OP-UA12
Submitting updated OP-UA12 Table L, to indicate that the VRUs are subject to OOOOa.

Please let me know if you have any questions.

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

Enterprise Products

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 2:17 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good afternoon,

I have consulted with a technical specialist over the questions you brought to my attention earlier this morning. Regarding units H-1, H-3, H-5, BOI-1, and DEHYBOI, the current version of the Title V permit has high level MACT DDDDD requirements for these units. Additionally, these units which are currently listed on OP-UA6 (steam generating units) had high-level applicability for 40 CFR Part 63, Subpart DDDDD entered on the previous OP-UA6 in the IMS when the RRT was not developed for this regulation.

I requested unit attributes for MACT DDDDD on OP-UA6 since the unit attribute tables are now available for this regulation which was not submitted in the renewal application.

If these units are considered process heaters for MACT DDDDD (the definition of boiler and process heater are slightly different across the federal rules where a unit can be a process heater under one rule and a steam generating unit in another such as a process heater that heats oil for example), then the MACT DDDDD tables on form OP-UA5 (process heaters) must be completed.

If you have any questions or concerns regarding this information, we can still meet at 4pm for a Teams meeting.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

---

From: Samantha Mendez
Sent: Thursday, February 6, 2025 11:57 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Mr. Quesada,

Thank you for your patience and cooperation! I have just sent out a Teams meeting for the designated time of 4pm today.

Please feel free to contact me if you have any other questions or concerns you would like to discuss in the meantime.

I look forward to meeting with you later this afternoon.

Sincerely,

Samantha Mendez

Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

---

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Thursday, February 6, 2025 11:41 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Today at 4pm works for me.

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 10:38 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Mr. Quesada,

Unfortunately, we are unavailable between 7am-11:30am tomorrow. However, we are available tomorrow at 3pm for a meeting, if that by chance works for you as well.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

---

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Thursday, February 6, 2025 10:30 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Would you be able to have it tomorrow anytime between 7am-1130am? If not, I can do a call today at 4 pm.

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 10:22 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good morning,

Per our phone call, I would like to set up a Teams meeting. Does today at 4 pm work for you by chance?

Thank you for your cooperation!

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Thursday, February 6, 2025 9:32 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Thank you for the response. I just left a message on your phone. I'm looking to confirm what information specifically is missing from the OP-UA6 forms? Feel free to call me back to discuss.

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

Enterprise Products

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Wednesday, February 5, 2025 3:10 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good afternoon,

I hope this email finds you well.

I can confirm that 09/04/2000 is an accurate effective date for PBR 106.352.

I apologize for any inconvenience this may have caused.

Thank you for your cooperation and understanding!

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

---

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Wednesday, February 5, 2025 1:54 PM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

I'm working on responding to your questions. One item you mentioned was that PBR 106.352 was not was not adopted or amended on 09/04/2000. However, based on the attached historical PBR document from the TCEQ website, that is a valid effective date. Please confirm whether or not this is accurate.

From: Quesada, Daniel
Sent: Monday, January 20, 2025 7:09 AM
To: 'Samantha Mendez' <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Your request has been received. I'll let you know if I have any questions.

Thanks

Daniel Quesada
Environmental Engineer

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

Enterprise Products

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Friday, January 17, 2025 1:57 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>
Subject: [EXTERNAL] Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]

Mr. Quesada,

I have been assigned to the Federal Operating Permit (FOP) renewal application of Permit No. O3184 for Enterprise Hydrocarbons LP, Armstrong Gas Plant. This application has been assigned Project No. 37417. Please address all correspondence pertaining to this permit application, including any updates, to me at the address below, and use both the Permit and Project reference numbers above to facilitate tracking.

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

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

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

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

Please review the WDP and submit to me any comments you have regarding it by February 14, 2025. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments.

In addition to the working draft permit, the following deficiencies were found during my review of the renewal application. **Please respond to the following by February 14, 2025.**

- On form OP-REQ1, the NSR Authorization number 17457, is listed with an issuance date of 04/15/2013.
    - This issuance date should be listed as 01/17/2023.
        - Please update section H and submit a revised version of page 89 on form OP-REQ1.

Enterprise: An updated OP-REQ1 is attached.

- Additionally, on form OP-REQ1, the PBR number 106.352 is listed with a version no./date of 09/04/2000.
    - PBR 106.352 was not adopted or amended on this date.
        - Please remove this date from section I and submit a revised version of page 89 on form OP-REQ1.

Enterprise: Per our discussion, that is a valid date and no changes have been made to it.

- On form OP-PBRSUP, the unit ID "H-1 Vent".
    - Please update Table D to reflect the unit "H-1 Vent" and resubmit Table D of the OP-PBRSUP form.

Enterprise: The OP-PBRSUP has been updated to address this comment as well as your next comment.

- Furthermore, several entries on form OP-PBRSUP, Table D appear to have the Registration Issuance date listed instead of the Registration No. or PBR Version No.
    - Please update OP-PVRSUP, Table D.
        - Once corrections are made to the OP-PBRSUP, the full form (Tables A through D) should be resubmitted for review

Enterprise: See previous response.

- I would like to confirm with you whether emission units, "UNIT 185" and "UNIT 186" respectively, are being deleted or added to OP-UA2.
    - Moreover, on form OP-UA2, there were a few typos that I noted, and wanted to share them with you.
        - The two Unit ID numbers that obtain typos are as follows: Unit 928 on page 4, 5, & 6 – typo found with the Index Number, Unit 932 on page 5 & 6 – typo found with the Index Number.

Enterprise: For Units 185 and Unit 186, we are requesting to remove ZZZZ applicability and maintain JJJJ applicability. We are not removing either emission units. I've added

this comment to the WDP as well. I've attached an updated OP-UA2 forms to address the typos.

- On form OP-UA-6, there is missing information for a couple of emission units for Index Numbers 63DDDDD-01 through 63DDDDD-05.
    - Information is needed for the following unit IDs and index numbers respectively: Unit ID: **H-1** – Index No.: **63DDDDD-03**, Unit ID: **H-3** – Index No.: **63DDDDD-04**, Unit ID: **H-5** – Index No.: **63DDDDD-05**, Unit ID: **BOI-1** – Index No.: **63DDDDD-01**, and Unit ID: **DEHYBOI** – Index No.: **63DDDDD-02**.

Enterprise: I've attached updated OP-UA6 forms and an OP-UA5 form.

Note- Some units/modifications/requested items were not included in the Working Draft Permit due to deficiencies being found in the application/permit.

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

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

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

Please notify me when these updates have been submitted.

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

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

---

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Tuesday, March 4, 2025 8:47 AM
To: Samantha Mendez
Cc: Rhyan Stone; Bissonnette, Daniel; Alfredo Mendoza
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant
Attachments: OP-SUMR-Updated.pdf

Samantha,

Attached is the updated OP-SUMR. We will re-certify through STEERS.

Thanks

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Monday, March 3, 2025 3:34 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good afternoon,

I hope this email finds you well.

To replace unit BOI-1 with unit RB-STEAM, I will need form OP-SUMR to reflect this new unit.

Additionally, I will be needing an OP-CRO1 for all previous updates submitted that have not yet been certified.

Please get back to me by **March 7, 2025** with an updated OP-SUMR and OP-CRO1. The application updates can be certified via STEERS in lieu of submitting a hard copy.

If you have any questions or concerns, please feel free to contact me.

Thank you for your cooperation!

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air

(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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---

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Friday, February 14, 2025 8:58 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

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The change to the OP-UA12 is unrelated to this item and is simply a correction.

OP-UA6
Removed BOI-1 and added RB-STEAM.

OP-2
Submitting updated OP-2 form to remove T-501A, T-501B, T-501C, Glytank, Tank 011, Tank 027, BLCS1, BLCS2 and BOI-1. Added RB-STEAM.

OP-PBRSUP
Removed reference to BOI-1. RB-STEAM was already listed on this form.

OP-UA12
Submitting updated OP-UA12 Table L, to indicate that the VRUs are subject to OOOOa.

Please let me know if you have any questions.

Daniel Quesada
Environmental Engineer

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

Enterprise Products

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 2:17 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]

Good afternoon,

I have consulted with a technical specialist over the questions you brought to my attention earlier this morning. Regarding units H-1, H-3, H-5, BOI-1, and DEHYBOI, the current version of the Title V permit has high level MACT DDDDD requirements for these units. Additionally, these units which are currently listed on OP-UA6 (steam generating units) had high-level applicability for 40 CFR Part 63, Subpart DDDDD entered on the previous OP-UA6 in the IMS when the RRT was not developed for this regulation.

I requested unit attributes for MACT DDDDD on OP-UA6 since the unit attribute tables are now available for this regulation which was not submitted in the renewal application.

If these units are considered process heaters for MACT DDDDD (the definition of boiler and process heater are slightly different across the federal rules where a unit can be a process heater under one rule and a steam generating unit in another such as a process heater that heats oil for example), then the MACT DDDDD tables on form OP-UA5 (process heaters) must be completed.

If you have any questions or concerns regarding this information, we can still meet at 4pm for a Teams meeting.

Sincerely,

Samantha Mendez
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(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

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Please feel free to contact me if you have any other questions or concerns you would like to discuss in the meantime.

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Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

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Good afternoon,

I hope this email finds you well.

I can confirm that 09/04/2000 is an accurate effective date for PBR 106.352.

I apologize for any inconvenience this may have caused.

Thank you for your cooperation and understanding!

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Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

I'm working on responding to your questions. One item you mentioned was that PBR 106.352 was not was not adopted or amended on 09/04/2000. However, based on the attached historical PBR document from the TCEQ website, that is a valid effective date. Please confirm whether or not this is accurate.

From: Quesada, Daniel
Sent: Monday, January 20, 2025 7:09 AM
To: 'Samantha Mendez' <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Your request has been received. I'll let you know if I have any questions.

Thanks

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

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Sent: Friday, January 17, 2025 1:57 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>
Subject: [EXTERNAL] Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]

Mr. Quesada,

I have been assigned to the Federal Operating Permit (FOP) renewal application of Permit No. O3184 for Enterprise Hydrocarbons LP, Armstrong Gas Plant. This application has been assigned Project No. 37417. Please address all correspondence pertaining to this permit application, including any updates, to me at the address below, and use both the Permit and Project reference numbers above to facilitate tracking.

In addition, I wanted to let you know that EPA has, on occasion, objected to Title V permits based on the following:
a. NSR permit and PBR monitoring sufficiency –please refer to our periodic monitoring guidance for reference of monitoring that EPA has, so far, considered sufficient.
b. Reference to confidential business information (CBI) in NSR permits and PBR submittals.
c. High level terms in the SOP Applicable Requirement Summary Table. The high-level terms are sometimes used in SOPs when unit attribute forms have not yet been updated due to regulatory amendments.
d. Accuracy of PBR information provided on the supplemental table and in the permit – please refer to Forms OP-PBRSUP and OP-REQ1 Instructions.
If you have any questions or concerns on any of these items or think you need to do any additional updates, let me know and we can discuss further.

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

Please review the WDP and submit to me any comments you have regarding it by February 14, 2025. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments.

In addition to the working draft permit, the following deficiencies were found during my review of the renewal application. **Please respond to the following by February 14, 2025.**

- On form OP-REQ1, the NSR Authorization number 17457, is listed with an issuance date of 04/15/2013.
    - This issuance date should be listed as 01/17/2023.
        - Please update section H and submit a revised version of page 89 on form OP-REQ1.

Enterprise: An updated OP-REQ1 is attached.

- Additionally, on form OP-REQ1, the PBR number 106.352 is listed with a version no./date of 09/04/2000.
    - PBR 106.352 was not adopted or amended on this date.

        - Please remove this date from section I and submit a revised version of page 89 on form OP-REQ1.

Enterprise: Per our discussion, that is a valid date and no changes have been made to it.

- On form OP-PBRSUP, the unit ID "H-1 Vent".
    - Please update Table D to reflect the unit "H-1 Vent" and resubmit Table D of the OP-PBRSUP form.

Enterprise: The OP-PBRSUP has been updated to address this comment as well as your next comment.

- Furthermore, several entries on form OP-PBRSUP, Table D appear to have the Registration Issuance date listed instead of the Registration No. or PBR Version No.
    - Please update OP-PVRSUP, Table D.
        - Once corrections are made to the OP-PBRSUP, the full form (Tables A through D) should be resubmitted for review

Enterprise: See previous response.

- I would like to confirm with you whether emission units, "UNIT 185" and "UNIT 186" respectively, are being deleted or added to OP-UA2.
    - Moreover, on form OP-UA2, there were a few typos that I noted, and wanted to share them with you.
        - The two Unit ID numbers that obtain typos are as follows: Unit 928 on page 4, 5, & 6 – typo found with the Index Number, Unit 932 on page 5 & 6 – typo found with the Index Number.

Enterprise: For Units 185 and Unit 186, we are requesting to remove ZZZZ applicability and maintain JJJJ applicability. We are not removing either emission units. I've added this comment to the WDP as well. I've attached an updated OP-UA2 forms to address the typos.

- On form OP-UA-6, there is missing information for a couple of emission units for Index Numbers 63DDDDD-01 through 63DDDDD-05.
    - Information is needed for the following unit IDs and index numbers respectively: Unit ID: **H-1** – Index No.: **63DDDDD-03**, Unit ID: **H-3** – Index No.: **63DDDDD-04**, Unit ID: **H-5** – Index No.: **63DDDDD-05**, Unit ID: **BOI-1** – Index No.: **63DDDDD-01**, and Unit ID: **DEHYBOI** – Index No.: **63DDDDD-02**.

Enterprise: I've attached updated OP-UA6 forms and an OP-UA5 form.

Note- Some units/modifications/requested items were not included in the Working Draft Permit due to deficiencies being found in the application/permit.

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_fac

tsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

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

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

Please notify me when these updates have been submitted.

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

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov


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

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

Date	Permit No.	Regulated Entity No.
3/7/2025	**O-3184**	**RN100220078**

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	1	UNIT 185	OP-REQ2	Caterpillar, Unit 185		106.512/06/13/2001	
D	2	UNIT 186	OP-REQ2	Caterpillar, Unit 186		106.512/06/13/2001	
D	3	TANK 011	OP-UA3	DEA Tank		57/05/12/1981, 106.352/11/22/2012	
D	4	TANK 027	OP-UA3	Sulfa-Treat Tank		106.352/09/04/2000	
D	5	T-501A	N/A	Methanol Tank		106.352/02/27/2011	
D	6	T-501B	N/A	Methanol Tank		106.352/02/27/2011	
D	7	T-501C	N/A	Methanol Tank		106.352/02/27/2011	
D	8	GLYTANK	N/A	Triethylene Glycol Tank		106.352/02/27/2011	
D	9	BLCS1	N/A	Blowcase Vessel 1		106.352/02/27/2011	
D	10	BLCS2	N/A	Blowcase Vessel 2		106.352/02/27/2011	
D	11	BOI-1	OP-UA5 , OP-UA6	Amine Steam Reboiler Heater		106.352/09/04/2000, 106.352/11/22/2012	
A	12	RB-STEAM	OP-UA5 , OP-UA6	Amine Steam Reboiler Heater		106.352/11/22/2012	

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
3/7/2025	**O-3184**	**RN100220078**

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
3	TANK 011	OP-UA3	D	GRPTK2
4	TANK 027	OP-UA3	D	GRPTK4

From: Samantha Mendez
Sent: Monday, March 3, 2025 3:34 PM
To: Quesada, Daniel
Cc: Rhyan Stone; Bissonnette, Daniel; Alfredo Mendoza
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Good afternoon,

I hope this email finds you well.

To replace unit BOI-1 with unit RB-STEAM, I will need form OP-SUMR to reflect this new unit.

Additionally, I will be needing an OP-CRO1 for all previous updates submitted that have not yet been certified.

Please get back to me by **March 7, 2025** with an updated OP-SUMR and OP-CRO1. The application updates can be certified via STEERS in lieu of submitting a hard copy.

If you have any questions or concerns, please feel free to contact me.

Thank you for your cooperation!

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov


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To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>

Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Attached is the working draft permit with my comments. I've responded to your original request in red text.

In addition, an OP-NOTIFY was submitted in February 2023 and acknowledged by TCEQ on March 22, 2023 that authorized the addition of a 60 MMBtu/hr steam reboiler, RB-STEAM. This unit replaced BOI-1. As a result, I've made the following updates to previously submitted forms beyond your original request.

The change to the OP-UA12 is unrelated to this item and is simply a correction.

OP-UA6
Removed BOI-1 and added RB-STEAM.

OP-2
Submitting updated OP-2 form to remove T-501A, T-501B, T-501C, Glytank, Tank 011, Tank 027, BLCS1, BLCS2 and BOI-1. Added RB-STEAM.

OP-PBRSUP
Removed reference to BOI-1. RB-STEAM was already listed on this form.

OP-UA12
Submitting updated OP-UA12 Table L, to indicate that the VRUs are subject to OOOOa.

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Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

---

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Wednesday, February 5, 2025 1:54 PM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

I'm working on responding to your questions. One item you mentioned was that PBR 106.352 was not was not adopted or amended on 09/04/2000. However, based on the attached historical PBR document from the TCEQ website, that is a valid effective date. Please confirm whether or not this is accurate.

From: Quesada, Daniel
Sent: Monday, January 20, 2025 7:09 AM

To: 'Samantha Mendez' <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Your request has been received. I'll let you know if I have any questions.

Thanks

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

Enterprise Products

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Friday, January 17, 2025 1:57 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>
Subject: [EXTERNAL] Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Mr. Quesada,

I have been assigned to the Federal Operating Permit (FOP) renewal application of Permit No. O3184 for Enterprise Hydrocarbons LP, Armstrong Gas Plant. This application has been assigned Project No. 37417. Please address all correspondence pertaining to this permit application, including any updates, to me at the address below, and use both the Permit and Project reference numbers above to facilitate tracking.

In addition, I wanted to let you know that EPA has, on occasion, objected to Title V permits based on the following:
a. NSR permit and PBR monitoring sufficiency –please refer to our periodic monitoring guidance for reference of monitoring that EPA has, so far, considered sufficient.
b. Reference to confidential business information (CBI) in NSR permits and PBR submittals.

c. High level terms in the SOP Applicable Requirement Summary Table. The high-level terms are sometimes used in SOPs when unit attribute forms have not yet been updated due to regulatory amendments.
d. Accuracy of PBR information provided on the supplemental table and in the permit – please refer to Forms OP-PBRSUP and OP-REQ1 Instructions.
If you have any questions or concerns on any of these items or think you need to do any additional updates, let me know and we can discuss further.

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

Please review the WDP and submit to me any comments you have regarding it by February 14, 2025. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments.

In addition to the working draft permit, the following deficiencies were found during my review of the renewal application. **Please respond to the following by February 14, 2025.**

- On form OP-REQ1, the NSR Authorization number 17457, is listed with an issuance date of 04/15/2013.
    - This issuance date should be listed as 01/17/2023.
        - Please update section H and submit a revised version of page 89 on form OP-REQ1.

Enterprise: An updated OP-REQ1 is attached.

- Additionally, on form OP-REQ1, the PBR number 106.352 is listed with a version no./date of 09/04/2000.
    - PBR 106.352 was not adopted or amended on this date.
        - Please remove this date from section I and submit a revised version of page 89 on form OP-REQ1.

Enterprise: Per our discussion, that is a valid date and no changes have been made to it.

- On form OP-PBRSUP, the unit ID “H-1 Vent”.
    - Please update Table D to reflect the unit “H-1 Vent” and resubmit Table D of the OP-PBRSUP form.

Enterprise: The OP-PBRSUP has been updated to address this comment as well as your next comment.

- Furthermore, several entries on form OP-PBRSUP, Table D appear to have the Registration Issuance date listed instead of the Registration No. or PBR Version No.
    - Please update OP-PVRSUP, Table D.
        - Once corrections are made to the OP-PBRSUP, the full form (Tables A through D) should be resubmitted for review

Enterprise: See previous response.

- I would like to confirm with you whether emission units, “UNIT 185” and “UNIT 186” respectively, are being deleted or added to OP-UA2.
    - Moreover, on form OP-UA2, there were a few typos that I noted, and wanted to share them with you.
        - The two Unit ID numbers that obtain typos are as follows: Unit 928 on page 4, 5, & 6 – typo found with the Index Number, Unit 932 on page 5 & 6 – typo found with the Index Number.

Enterprise: For Units 185 and Unit 186, we are requesting to remove ZZZZ applicability and maintain JJJJ applicability. We are not removing either emission units. I’ve added this comment to the WDP as well. I’ve attached an updated OP-UA2 forms to address the typos.

- On form OP-UA-6, there is missing information for a couple of emission units for Index Numbers 63DDDDD-01 through 63DDDDD-05.
    - Information is needed for the following unit IDs and index numbers respectively: Unit ID: **H-1** – Index No.: **63DDDDD-03**, Unit ID: **H-3** – Index No.: **63DDDDD-04**, Unit ID: **H-5** – Index No.: **63DDDDD-05**, Unit ID: **BOI-1** – Index No.: **63DDDDD-01**, and Unit ID: **DEHYBOI** – Index No.: **63DDDDD-02**.

Enterprise: I’ve attached updated OP-UA6 forms and an OP-UA5 form.

Note- Some units/modifications/requested items were not included in the Working Draft Permit due to deficiencies being found in the application/permit.

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

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

Application updates may now be submitted through Title V STEERS. Any application updates that are submitted by the RO/DAR through STEERS are certified and do not require

the submittal of an original signature OP-CRO1. Application updates that are provided through email or physical mail require certification using an original signature OP-CRO1.

Please notify me when these updates have been submitted.

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

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Friday, February 14, 2025 8:58 AM
To: Samantha Mendez
Cc: Rhyan Stone; Bissonnette, Daniel; Alfredo Mendoza
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant
Attachments: Draft permit_Project 37417_Permit O3184-DEQ.docx; OP-REQ1 - pg 89.pdf; OP-UA5.pdf; OP-PBRSUP.pdf; OP-UA2.pdf; OP-2.pdf; OP-UA12 Table 19L.pdf; OP-UA6.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Samantha,

Attached is the working draft permit with my comments. I've responded to your original request in red text.

In addition, an OP-NOTIFY was submitted in February 2023 and acknowledged by TCEQ on March 22, 2023 that authorized the addition of a 60 MMBtu/hr steam reboiler, RB-STEAM. This unit replaced BOI-1. As a result, I've made the following updates to previously submitted forms beyond your original request.

The change to the OP-UA12 is unrelated to this item and is simply a correction.

OP-UA6
Removed BOI-1 and added RB-STEAM.

OP-2
Submitting updated OP-2 form to remove T-501A, T-501B, T-501C, Glytank, Tank 011, Tank 027, BLCS1, BLCS2 and BOI-1. Added RB-STEAM.

OP-PBRSUP
Removed reference to BOI-1. RB-STEAM was already listed on this form.

OP-UA12
Submitting updated OP-UA12 Table L, to indicate that the VRUs are subject to OOOOa.

Please let me know if you have any questions.

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

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 2:17 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good afternoon,

I have consulted with a technical specialist over the questions you brought to my attention earlier this morning. Regarding units H-1, H-3, H-5, BOI-1, and DEHYBOI, the current version of the Title V permit has high level MACT DDDDD requirements for these units. Additionally, these units which are currently listed on OP-UA6 (steam generating units) had high-level applicability for 40 CFR Part 63, Subpart DDDDD entered on the previous OP-UA6 in the IMS when the RRT was not developed for this regulation.

I requested unit attributes for MACT DDDDD on OP-UA6 since the unit attribute tables are now available for this regulation which was not submitted in the renewal application.

If these units are considered process heaters for MACT DDDDD (the definition of boiler and process heater are slightly different across the federal rules where a unit can be a process heater under one rule and a steam generating unit in another such as a process heater that heats oil for example), then the MACT DDDDD tables on form OP-UA5 (process heaters) must be completed.

If you have any questions or concerns regarding this information, we can still meet at 4pm for a Teams meeting.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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From: Samantha Mendez
Sent: Thursday, February 6, 2025 11:57 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Mr. Quesada,

Thank you for your patience and cooperation! I have just sent out a Teams meeting for the designated time of 4pm today.

Please feel free to contact me if you have any other questions or concerns you would like to discuss in the meantime.

I look forward to meeting with you later this afternoon.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

---

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Thursday, February 6, 2025 11:41 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Today at 4pm works for me.

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 10:38 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Mr. Quesada,

Unfortunately, we are unavailable between 7am-11:30am tomorrow. However, we are available tomorrow at 3pm for a meeting, if that by chance works for you as well.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

---

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Thursday, February 6, 2025 10:30 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Would you be able to have it tomorrow anytime between 7am-1130am? If not, I can do a call today at 4 pm.

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 10:22 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good morning,

Per our phone call, I would like to set up a Teams meeting. Does today at 4 pm work for you by chance?

Thank you for your cooperation!

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov


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---

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Thursday, February 6, 2025 9:32 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Thank you for the response. I just left a message on your phone. I'm looking to confirm what information specifically is missing from the OP-UA6 forms? Feel free to call me back to discuss.

Daniel Quesada
Environmental Engineer

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

Enterprise Products

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Wednesday, February 5, 2025 3:10 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good afternoon,

I hope this email finds you well.

I can confirm that 09/04/2000 is an accurate effective date for PBR 106.352.

I apologize for any inconvenience this may have caused.

Thank you for your cooperation and understanding!

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Wednesday, February 5, 2025 1:54 PM

To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

I'm working on responding to your questions. One item you mentioned was that PBR 106.352 was not was not adopted or amended on 09/04/2000. However, based on the attached historical PBR document from the TCEQ website, that is a valid effective date. Please confirm whether or not this is accurate.

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Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

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

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Friday, January 17, 2025 1:57 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>
Subject: [EXTERNAL] Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Mr. Quesada,

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In addition, I wanted to let you know that EPA has, on occasion, objected to Title V permits based on the following:
a. NSR permit and PBR monitoring sufficiency –please refer to our periodic monitoring guidance for reference of monitoring that EPA has, so far, considered sufficient.
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d. Accuracy of PBR information provided on the supplemental table and in the permit – please refer to Forms OP-PBRSUP and OP-REQ1 Instructions.
If you have any questions or concerns on any of these items or think you need to do any additional updates, let me know and we can discuss further.

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

Please review the WDP and submit to me any comments you have regarding it by February 14, 2025. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments.

In addition to the working draft permit, the following deficiencies were found during my review of the renewal application. **Please respond to the following by February 14, 2025.**

- On form OP-REQ1, the NSR Authorization number 17457, is listed with an issuance date of 04/15/2013.
    - This issuance date should be listed as 01/17/2023.
        - Please update section H and submit a revised version of page 89 on form OP-REQ1.

Enterprise: An updated OP-REQ1 is attached.

- Additionally, on form OP-REQ1, the PBR number 106.352 is listed with a version no./date of 09/04/2000.
    - PBR 106.352 was not adopted or amended on this date.
        - Please remove this date from section I and submit a revised version of page 89 on form OP-REQ1.

Enterprise: Per our discussion, that is a valid date and no changes have been made to it.

- On form OP-PBRSUP, the unit ID "H-1 Vent".
    - Please update Table D to reflect the unit "H-1 Vent" and resubmit Table D of the OP-PBRSUP form.

Enterprise: The OP-PBRSUP has been updated to address this comment as well as your next comment.

- Furthermore, several entries on form OP-PBRSUP, Table D appear to have the Registration Issuance date listed instead of the Registration No. or PBR Version No.
    - Please update OP-PVRSUP, Table D.
        - Once corrections are made to the OP-PBRSUP, the full form (Tables A through D) should be resubmitted for review

Enterprise: See previous response.

- I would like to confirm with you whether emission units, "UNIT 185" and "UNIT 186" respectively, are being deleted or added to OP-UA2.
    - Moreover, on form OP-UA2, there were a few typos that I noted, and wanted to share them with you.
        - The two Unit ID numbers that obtain typos are as follows: Unit 928 on page 4, 5, & 6 – typo found with the Index Number, Unit 932 on page 5 & 6 – typo found with the Index Number.

Enterprise: For Units 185 and Unit 186, we are requesting to remove ZZZZ applicability and maintain JJJJ applicability. We are not removing either emission units. I've added this comment to the WDP as well. I've attached an updated OP-UA2 forms to address the typos.

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    - Information is needed for the following unit IDs and index numbers respectively: Unit ID: **H-1** – Index No.: **63DDDDD-03**, Unit ID: **H-3** – Index No.: **63DDDDD-04**, Unit ID: **H-5** – Index No.: **63DDDDD-05**, Unit ID: **BOI-1** – Index No.: **63DDDDD-01**, and Unit ID: **DEHYBOI** – Index No.: **63DDDDD-02**.

Enterprise: I've attached updated OP-UA6 forms and an OP-UA5 form.

Note- Some units/modifications/requested items were not included in the Working Draft Permit due to deficiencies being found in the application/permit.

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

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

Please notify me when these updates have been submitted.

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

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov


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

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 1)
Federal Operating Permit Program
Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart D: Standards of Performance for Fossil Fuel-Fired Steam Generators
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/14/2025	O-3184	**RN100220078**

Unit ID No.	SOP Index No.	Construction/ Modification Date	Covered Under Subpart Da or KKKK	Changes to Existing Affected Facility	Heat Input Rate	Alternate 42C	PM CEMS	Opacity Monitoring	Gas/Liquid Fuel	Fuels with 0.33 % or Less Sulfur	Specific Site
DEHYBOI	**60D-01**	**78+**	**NO**	**NO**	**250-**						
RB-STEAM	**60D-01**	**78+**	**NO**	**NO**	**250-**						
H-1	**60D-01**	**78+**	**NO**	**NO**	**250-**						
H-3	**60D-01**	**78+**	**NO**	**NO**	**250-**						
H-5	**60D-01**	**78+**	**NO**	**NO**	**250-**						

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 6)
Federal Operating Permit Program
Table 3a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/14/2025	O-3184	**RN100220078**

Unit ID No.	SOP Index No.	Construction/ Modification Date	Heat Input Capacity	Subpart Da	Changes to Existing Affected Facility	Subpart Ea, Eb, AAAA, or CCCC	Subpart KKKK	Subpart Cb or BBBB	Temporary Boiler
DEHYBOI	**60Db-01**	**05+CR**	**100-**						
RB-STEAM	**60Db-01**	**05+CR**	**100-**						
H-1	**60DB-02**	**84-**							
H-3	**60DB-02**	**84-**							
H-5	**60DB-02**	**84-**							

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 11)
Federal Operating Permit Program
Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Dc: Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/14/2025	O-3184	**RN100220078**

Unit ID No.	SOP Index No.	Construction/ Modification Date	Maximum Design Heat Input Capacity	Applicability	Heat Input Capacity	D-Series Fuel Type	D-Series Fuel Type	D-Series Fuel Type	ACF Option SO_2	ACF Option PM	30% Coal Duct Burner
DEHYBOI	**60Dc-01**	**05+**	**10-**								
RB-STEAM	**60Dc-03**	**05+**	**10-100**	**NONE**	**30-75**	**NG**			**55+CL**	**OTHR**	**NO**
H-1	**60D-02**	**89-**									
H-3	**60D-02**	**89-**									
H-5	**60D-02**	**89-**									

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

Date	Permit No.	Regulated Entity No.
2/14/2025	O-3184	**RN100220078**

Unit ID No.	SOP/GOP Index No.	Commence	Table Applicability	HCl Emission	HCl-CMS
DEHYBOI	60DDDDD-01	EXIST	T3.1G1		
RB-STEAM	60DDDDD-01	EXIST	T3.3G1		
H-1	60DDDDD-01	EXIST	T3.2G1		
H-3	60DDDDD-01	EXIST	T3.2G1		
H-5	60DDDDD-01	EXIST	T3.3G1		

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

Date	Permit No.	Regulated Entity No.
2/14/2025	O-3184	**RN100220078**

Unit ID No.	SOP/GOP Index No.	Commence	Table Applicability	HCl Emission	HCl-CMS
DEHYBOI	60DDDDD-01	EXIST	T3.1G1		
RB-STEAM	60DDDDD-01	EXIST	T3.3G1		
H-1	60DDDDD-01	EXIST	T3.2G1		
H-3	60DDDDD-01	EXIST	T3.2G1		
H-5	60DDDDD-01	EXIST	T3.3G1		

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 4)
Federal Operating Permit Program
Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/14/2025	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
Unit 928	63ZZZZ-01	MA.IOR	500+	02-		NORMAL	2SLB
Unit 929	63ZZZZ-01	MAJOR	500+	02-		NORMAL	25LB
Unit 931	63ZZZZ-01	MAJOR	500+	02-		NORMAL	2SLB
Unit 932	63ZZZZ-01	MAJOR	500+	02-		NORMAL	2SLB
Unit 933	63ZZZZ-01	MAJOR	500+	02-		NORMAL	2SLB
EMERGEN	63ZZZZ-03	MAJOR	100-250	06+		EMER-A	
FIREPUMP	63ZZZZ-03	MAJOR	100-250	06+		EMER.A	

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 5)
Federal Operating Permit Program
Table 2b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/14/2025	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Operating Hours	Different Schedule	Emission Limitation	Displacement
Unit 928	63ZZZZ-01					
Unit 929	63ZZZZ-01					
Unit 931	63ZZZZ-01					
Unit 932	63ZZZZ-01					
Unit 933	63ZZZZ-01					
EMERGEN	63ZZZZ-03					
FIREPUMP	63ZZZZ-03					

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 6)
Federal Operating Permit Program
Table 2c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary 32BReciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/14/2025	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Crankcase	Performance Test	Control Technique	Operating Limits	Monitoring System
Unit 928	63ZZZZ-01					
Unit 929	63ZZZZ-01					
Unit 931	63ZZZZ-01					
Unit 932	63ZZZZ-01					
Unit 933	63ZZZZ-01					
EMERGEN	63ZZZZ-03					
FIREPUMP	63ZZZZ-03					

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 180)
Federal Operating Permit Program
Table 19l: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
2/14/2025	3184	RN100220078

		Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)				
		Closed-Vent Systems and Control Devices (continued)				
Unit ID. No.	SOP/GOP Index No.	Vapor Recovery System	AMEL	AMEL ID No.	Complying with 60.482-10a	Control Device ID No.
FUG OOOOA	60OOOOa	YES	NO	NO	NO	NO

Date	Permit No.	Regulated Entity No.
2/14/2025	O-3184	RN100220078

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
17457	01/17/2023				

♦ **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
006	**05/05/1976**	**070**	**05/08/1972**	**106.511**	**09/04/2000**
006	**05/12/1981**	**072**	**05/08/1972**	**106.512**	**06/13/2001**
007	**11/05/1986**	**072**	**05/12/1981**		
009	**05/08/1972**	**082**	**12/01/1972**		
051	**11/05/1986**	**107**	**05/12/1981**		
053	**11/05/1986**	**106.263**	**11/01/2001**		
057	**05/05/1976**	**106.352**	**09/04/2000**		
057	**05/12/1981**	**106.352**	**02/27/2011**		
058	**05/08/1972**	**106.352**	**02/02/2012**		
058	**05/05/1976**	**106.352**	**11/22/2012**		
058	**05/12/1981**	**106.355**	**11/01/2001**		
059	**05/08/1972**	**106.359**	**09/10/2013**		
064	**05/08/1972**	**106.454**	**11/01/2001**		
066	**11/05/1986**	**106.492**	**09/04/2000**		

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 1)

Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area

Date	Permit Number	Regulated Entity Number
2/14/2025	O-3184	RN100220078

Unit ID	Registration Number	PBR No.	Registration Date
FL-1	99582	106.352	06/11/2024
FL-1	99582	106.492	06/11/2024
FL-2	99582	106.352	06/11/2024
FL-2	99582	106.492	06/11/2024
FL-3	99582	106.352	06/11/2024
FL-3	99582	106.492	06/11/2024
FUG-1	99582	106.352	06/11/2024
H-1	99582	106.352	06/11/2024
H-1 VENT	99582	106.352	06/11/2024
H-3	99582	106.352	06/11/2024
TL-1	99582	106.352	06/11/2024
TL-FUG	99582	106.352	06/11/2024

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 2)

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

Date	Permit Number	Regulated Entity Number
2/14/2025	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date
AMNVENT	106.352	09/04/2000
BOI-1S	106.352	09/04/2000
BOI-1S	106.352	11/22/2012
DEHYBOI	106.352	09/04/2000
DEHYBOI	106.352	11/22/2012
DEHYBOIS	106.352	09/04/2000
DEHYBOIS	106.352	11/22/2012
DEHYVENT	106.352	09/04/2000
FLSHTNK	106.352	02/02/2012
FUG KKK	106.352	09/04/2000
FUG KKK	106.352	11/22/2012
FUGOOOOA	106.352	11/22/2012
GO-FLARE1	106.352	11/22/2012
GO-FLARE1	106.492	09/04/2000
LD-L	106.352	09/04/2000
LD-L	106.352	09/04/2000
LD-M	106.352	09/04/2000
T-107	106.352	02/27/2011
931 S	6	5/5/1976
932 S	6	5/5/1976
933 S	6	5/5/1976
924 S	6	5/12/1981
925 S	6	5/12/1981
926 S	6	5/12/1981
927 S	6	5/12/1981
928 S	6	5/12/1981
929 S	6	5/12/1981
CT-1	9	5/8/1972
EMERGEN	106.511	9/4/2000
FIREPUMP	106.511	9/4/2000
FUG	66	11/5/1986
H-1S	107	5/12/1981
H-3S	107	5/12/1981
H-5	7	11/5/1986
H-5S	7	11/5/1986
LD-A	72	5/8/1972

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 2)

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

Date	Permit Number	Regulated Entity Number
2/14/2025	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date
LD-B	51	11/5/1986
LD-C	51	11/5/1986
LD-D	51	11/5/1986
LD-F	53	11/5/1986
LD-G	51	11/5/1986
LD-H	53	11/5/1986
LD-I	51	11/5/1986
LD-J	51	11/5/1986
LD-K	51	11/5/1986
OWSH-1	70	5/8/1972
PRO-AMINE	72	5/12/1981
PRO-FRAC1	72	5/5/1976
PRO-FRAC2	72	5/12/1981
PWSH-1	106.454	11/1/2001
STARTER	106.512	6/13/2001
TANK002	58	5/8/1972
TANK003	58	5/8/1972
TANK004	58	5/8/1972
TANK005	58	5/8/1972
TANK006	72	5/8/1972
TANK007	57	5/12/1981
TANK008	106.352	09/04/2000
TANK 009	57	5/5/1976
TANK 010	57	5/12/1981
TANK 012	106.352	11/22/2012
TANK 013	64	5/8/1972
TANK 015	57	5/12/1981
TANK 014	106.352	09/04/2000
TANK 016	57	5/12/1981
TANK 017	58	5/12/1981
TANK 018	58	5/5/1976
TANK 019	58	5/5/1976
TANK020	58	5/5/1976
TANK 021	59	5/8/1972
TANK022	58	5/5/1976
TANK023	58	5/12/1981
TANK024	59	5/8/1972

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 2)

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

Date	Permit Number	Regulated Entity Number
2/14/2025	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date
TANK025	58	5/8/1972
TANK026	59	5/8/1972
TANK026	106.352	11/22/2012
TANK028	106.352	09/04/2000
TANK 029	106.352	11/22/2012
UNIT 184S	82	12/1/1972
UNIT 184	82	12/1/1972
UNIT 185	106.512	6/13/2001
UNIT 185S	106.512	6/13/2001
UNIT 186	106.512	6/13/2001
UNIT 186S	106.512	6/13/2001
UNIT 924	6	5/12/1981
UNIT 925	6	5/12/1981
UNIT 926	6	5/12/1981
UNIT 927	6	5/12/1981
UNIT 928	6	5/12/1981
UNIT 929	6	5/12/1981
UNIT 931	6	5/5/1976
UNIT 932	6	5/5/1976
UNIT 933	6	5/5/1976
FUG-C3 Dryer	106.352	11/22/2012
TK-1	106.352	11/22/2012
TL-1	106.352	11/22/2012
RB-STEAM	106.352	11/22/2012

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

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

Date	Permit Number	Regulated Entity Number
2/14/2025	O-3184	RN100220078

PBR No.	Version No./Date

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

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

Date	Permit Number	Regulated Entity Number
2/14/2025	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
AMNVENT	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
BOI-1S	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
BOI-1S	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
931 S	6	5/5/1976	Record annual fuel consumption.
932 S	6	5/5/1976	Record annual fuel consumption.
933 S	6	5/5/1976	Record annual fuel consumption.
924 S	6	5/12/1981	Record annual fuel consumption.
925 S	6	5/12/1981	Record annual fuel consumption.
926 S	6	5/12/1981	Record annual fuel consumption.
927 S	6	5/12/1981	Record annual fuel consumption.
928 S	6	5/12/1981	Record annual fuel consumption.
929 S	6	5/12/1981	Record annual fuel consumption.
CT-1	9	5/8/1972	Record annual fuel consumption.
DEHYBOI	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
DEHYBOI	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
DEHYBOIS	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
DEHYBOIS	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
DEHYVENT	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
EMERGEN	106.511	9/4/2000	Record operating hours of the emergency engine whenever it is used to demonstrate that the maximum annual operating hours do not exceed 10% of the normal annual operating schedule of the primary equipment.
FIREPUMP	106.511	9/4/2000	Record operating hours of the emergency engine whenever it is used to demonstrate that the maximum annual operating hours do not exceed 10% of the normal annual operating schedule of the primary equipment.
FL-1	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
FL-1	106.492	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
FL-2	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
FL-2	106.492	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
FL-3	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
FL-3	106.492	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
FLSHTNK	106.352	02/02/2012	Use underlying emission calculation methods to determine actual emissions.
FUG KKK	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
FUG KKK	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
FUGOOOOA	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
FUG-1	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
FUG-1	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
FUG	66	11/5/1986	Use underlying emission calculation methods to determine actual emissions.

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

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

Date	Permit Number	Regulated Entity Number
2/14/2025	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
GO-FLARE1	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
GO-FLARE1	106.492	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
H-1	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
H-1S	107	5/12/1981	Record annual fuel consumption.
H-3	106.352	4/15/1900	Use underlying emission calculation methods to determine actual emissions.
H-3S	107	5/12/1981	Record annual fuel consumption.
H-5	7	11/5/1986	Record annual fuel consumption.
H-5S	7	11/5/1986	Record annual fuel consumption.
LD-A	72	5/8/1972	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-B	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-C	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-D	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-F	53	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-G	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-H	53	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-1	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-J	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-K	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-L	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
LD-M	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
OWSH-1	70	5/8/1972	Use underlying emission calculation methods to determine actual emissions.
PRO-AMINE	72	5/12/1981	Use underlying emission calculation methods to determine actual emissions.
PRO-FRAC1	72	5/5/1976	Use underlying emission calculation methods to determine actual emissions.
PRO-FRAC2	72	5/12/1981	Use underlying emission calculation methods to determine actual emissions.
PWSH-1	106.454	11/1/2001	Use underlying emission calculation methods to determine actual emissions.
STARTER	106.512	6/13/2001	Record annual fuel consumption.
T-107	106.352	02/27/2011	Use underlying emission calculation methods to determine actual emissions.
TANK002	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions

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

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

Date	Permit Number	Regulated Entity Number
2/14/2025	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
TANK003	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK004	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK005	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK006	72	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK007	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK008	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
TANK 009	57	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 010	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 012	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
TANK 013	64	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 014	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
TANK 015	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 016	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 017	58	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 018	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 019	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK020	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 021	59	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK022	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK023	58	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK024	59	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions

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

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

Date	Permit Number	Regulated Entity Number
2/14/2025	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
TANK025	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK026	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
TANK026	59	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK028	106.352	09/04/2000	Use underlying emission calculation methods to determine actual emissions.
TANK 029	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
TL-1	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
TL-FUG	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
UNIT 184S	82	12/1/1972	Record annual fuel consumption.
UNIT 184	82	12/1/1972	Record annual fuel consumption.
UNIT 185	106.512	6/13/2001	Record annual fuel consumption.
UNIT 185S	106.512	6/13/2001	Record annual fuel consumption.
UNIT 186	106.512	6/13/2001	Record annual fuel consumption.
UNIT 186S	106.512	6/13/2001	Record annual fuel consumption.
UNIT 924	6	5/12/1981	Record annual fuel consumption.
UNIT 925	6	5/12/1981	Record annual fuel consumption.
UNIT 926	6	5/12/1981	Record annual fuel consumption.
UNIT 927	6	5/12/1981	Record annual fuel consumption.
UNIT 928	6	5/12/1981	Record annual fuel consumption.
UNIT 929	6	5/12/1981	Record annual fuel consumption.
UNIT 931	6	5/5/1976	Record annual fuel consumption.
UNIT 932	6	5/5/1976	Record annual fuel consumption.
UNIT 933	6	5/5/1976	Record annual fuel consumption.
FUG-C3	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
TK-1	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
TL-1	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
RB-STEAM	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.
H-1 VENT	106.352	11/22/2012	Use underlying emission calculation methods to determine actual emissions.

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

Date: 2/14/2025
Permit No.: O-3184
Regulated Entity No.: RN100220078
Company Name: Enterprise Hydrocarbons L.P.

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	SIG-E	NO	UNIT 185	OP-REQ2	N/A	Removing applicability of 40 CFR Part 63, Subpart ZZZZ.
2	SIG-E	NO	UNIT 186	OP-REQ2	N/A	Removing applicability of 40 CFR Part 63, Subpart ZZZZ.
3	SIG-E	NO	TANK 011	OP-UA3	N/A	Removal of TANK 011 from permit, as it is no longer at facility.
4	SIG-E	NO	TANK 027	OP-UA3	N/A	Removal of TANK 027 from permit, as it is no longer at facility.
5	SIG-E	NO	T-501A	N/A	N/A	Removal of TANK T-501A from permit, as it is no longer at facility.
6	SIG-E	NO	T-501B	N/A	N/A	Removal of TANK T-501B from permit, as it is no longer at facility.
7	SIG-E	NO	T-501C	N/A	N/A	Removal of TANK T-501C from permit, as it is no longer at facility.
8	SIG-E	NO	GLYTANK	N/A	N/A	Removal of TANK GLYTANK from permit, as it is no longer at facility.
9	SIG-E	NO	BLCS1	N/A	N/A	Removal of BLCS1 from permit, as it is no longer at facility.
10	SIG-E	NO	BLCS2	N/A	N/A	Removal of BLCS2 from permit, as it is no longer at facility.
11	SIG-E	NO	BOI-1	OP-UA5 , OP-UA6	N/A	Removal of BOI-1 from permit, as it is no longer at facility.
12	SIG-E	YES	RB-STEAM	OP-UA5 , OP-UA6	N/A	Addition of new unit. Replacing BOI-1.

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Enterprise Hydrocarbons L.P.

AUTHORIZING THE OPERATION OF
Armstrong Gas Plant
Natural Gas Liquid Extraction

LOCATED AT
Dewitt County, Texas
Latitude 29° 8′ 2″ Longitude 97° 2′ 20″
Regulated Entity Number: RN100220078

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O3184 Issuance Date: _____

_____
For the Commission

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Commented [QD1]: General comment throughout : For Units 185 and Unit 186, we are requesting to remove ZZZZ applicability, maintain JJJJ applicability. We are not removing either emission units.

General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

   A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

   B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

   C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

   D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

   E. Emission units subject to 40 CFR Part 63, Subparts A, HH, ZZZZ, and DDDDD as identified in the attached Applicable Requirements Summary table are subject to 30 TAC

Chapter 113, Subchapter C, §§ 113.100, 113.390, 113.1090, and 113.1130, respectively, which incorporates the 40 CFR Part 63 Subpart by reference.

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

   A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

   B. Title 30 TAC § 101.3 (relating to Circumvention)

   C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

   D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

   E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

   F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

   G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

   H. Title 30 TAC § 101.221 (relating to Operational Requirements)

   I. Title 30 TAC § 101.222 (relating to Demonstrations)

   J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

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

   A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

      (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

      (ii) Title 30 TAC § 111.111(a)(1)(E)

      (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

      (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that

does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is

determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

4. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

5. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

6. For oil and natural gas production facilities as specified in 40 CFR Part 63, Subpart HH, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.390 incorporated by reference):

A. Title 40 CFR § 63.760(a)(1)(i) - (iii) (relating to Applicability and Designation of Affected Source)

B. Title 40 CFR § 63.775(d)(9) (relating to Reporting Requirements)

7. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

Additional Monitoring Requirements

8. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

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

A. Are incorporated by reference into this permit as applicable requirements

B. Shall be located with this operating permit

C. Are not eligible for a permit shield

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

11. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air

contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

12. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

13. Use of Discrete Emission Credits to comply with the applicable requirements:

    A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

        (i) Title 30 TAC Chapter 115

        (ii) Title 30 TAC Chapter 117

        (iii) If applicable, offsets for Title 30 TAC Chapter 116

        (iv) Temporarily exceed state NSR permit allowables

    B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

        (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

        (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

        (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

        (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

        (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Permit Location

14. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit off site at Enterprise Products, 1100 Louisiana, Houston, Texas 77002.

Permit Shield (30 TAC § 122.148)

15. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
DEHYVENT	GLYCOL DEHYDRATION	N/A	63HH-01	40 CFR Part 63, Subpart HH	No changing attributes.
EMERGEN	SRIC ENGINES	N/A	60JJJJ-03	40 CFR Part 60, Subpart JJJJ	No changing attributes.
EMERGEN	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FIREPUMP	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FL-1	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
FL-2	FLARES	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FL-2	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
FL-3	FLARES	N/A	R1111-02	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FUG KKK	FUGITIVE EMISSION UNITS	N/A	60KKK-03	40 CFR Part 60, Subpart KKK	No changing attributes.
FUG OOOOA	FUGITIVE EMISSION UNITS	N/A	60OOOOa	40 CFR Part 60, Subpart OOOOa	No changing attributes.
FUG-1	FUGITIVE EMISSION UNITS	N/A	63HH-01	40 CFR Part 63, Subpart HH	No changing attributes.
GO-FLARE1	FLARES	N/A	R1111-02	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GO-FLARE1	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
GO-FLARE1	FLARES	N/A	63A-02	40 CFR Part 63, Subpart A	No changing attributes.
GRP111A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	UNIT 184S	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP111B	EMISSION	BLCS1, BLCS2,	R1111-02	30 TAC Chapter 111, Visible	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	POINTS/STATIONARY VENTS/PROCESS VENTS	BOI-1S, C-1, C-15, C-2, C-3, C-4, C-5, C-6, C-7, C-8, C-9, DEHYBOIS, H-1S, H-3S, H-5S, STARTER, UNIT 185S, UNIT 186S		Emissions	
UNIT 924	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 925	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 926	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 927	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 930	STATIONARY TURBINES	N/A	60GG-02	40 CFR Part 60, Subpart GG	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
DEHYVENT	EU	63HH-01	112(B) HAPS	40 CFR Part 63, Subpart HH	§ 63.765(b)(1)(iii) § 63.11(b) § 63.764(a) § 63.764(j) § 63.765(b)(1)(iii)(A) § 63.771(c)(1) § 63.771(c)(2) § 63.771(f)(1) § 63.771(f)(1)(iii) § 63.771(f)(2) § 63.771(f)(2)(i) § 63.771(f)(2)(ii) [G]§ 63.773(c)(3) § 63.773(c)(4) [G]§ 63.773(c)(5) [G]§ 63.773(c)(6)	The owner or operator must limit BTEX emissions from each existing small glycol dehydration unit process vent, as defined in §63.761, to the limit determined in Equation 1 of this section. The limits determined using Equation 1 must be met in accordance with one of the alternatives specified in paragraphs (b)(1)(iii)(A) through (D) of this section.	[G]§ 63.772(c) § 63.772(d)(1) § 63.772(e) [G]§ 63.772(e)(2) § 63.772(e)(4)(ii) [G]§ 63.772(f) [G]§ 63.773(c)(2)(i) [G]§ 63.773(c)(2)(ii) [G]§ 63.773(d)(1) § 63.773(d)(3) § 63.773(d)(3)(i)(C) § 63.773(d)(3)(iii) § 63.773(d)(4) § 63.773(d)(6) § 63.773(d)(6)(i) § 63.773(d)(6)(iv) § 63.773(d)(7)	§ 63.771(e)(1) § 63.771(e)(2) § 63.771(e)(3)(i) [G]§ 63.774(b)(1) § 63.774(b)(10) § 63.774(b)(11) § 63.774(b)(2) [G]§ 63.774(b)(3) § 63.774(b)(4) § 63.774(b)(4)(i) § 63.774(b)(4)(ii)(A) § 63.774(b)(5) § 63.774(b)(6) § 63.774(b)(7) § 63.774(b)(7)(i) § 63.774(b)(7)(ii) § 63.774(b)(7)(iii) § 63.774(b)(7)(iv) § 63.774(b)(7)(v) § 63.774(b)(7)(vi) § 63.774(b)(7)(vii) § 63.774(b)(7)(viii) § 63.774(g)	§ 63.764(b) [G]§ 63.773(c)(2)(i) [G]§ 63.773(c)(2)(ii) [G]§ 63.775(b)(1) § 63.775(b)(2) § 63.775(b)(3) § 63.775(b)(4) § 63.775(b)(5) § 63.775(b)(6) § 63.775(d) § 63.775(d)(10) § 63.775(d)(11) [G]§ 63.775(d)(2) § 63.775(d)(6) § 63.775(d)(7) § 63.775(e) § 63.775(e)(1) § 63.775(e)(2) § 63.775(e)(2)(i) § 63.775(e)(2)(ii) § 63.775(e)(2)(ii)(A) § 63.775(e)(2)(ii)(D) § 63.775(e)(2)(iii) [G]§ 63.775(e)(2)(vii) § 63.775(e)(2)(viii) § 63.775(e)(2)(x) § 63.775(e)(2)(xi) [G]§ 63.775(f) § 63.775(g)(1)
EMERGEN	EU	60JJJJ-03	CO	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table 1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(i) [G]§ 60.4243(d) § 60.4243(g)	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than or equal to 100 HP and less than 130 HP and were manufactured on or after 01/01/2009 must comply with a CO emission limit of 387 g/HP-hr, as listed in	§ 60.4237(c) § 60.4243(b)(2)(i) § 60.4243(f) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(e)	§ 60.4243(b)(2)(i) § 60.4245(a) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4) § 60.4245(b)	§ 60.4245(d) [G]§ 60.4245(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						Table 1 to this subpart.			
EMERGEN	EU	60JJJJ-03	HC and NO_x	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table 1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(i) [G]§ 60.4243(d) § 60.4243(g)	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than or equal to 100 HP and less than 130 HP and were manufactured on or after 01/01/2009 must comply with an HC+NOx emission limit of 10 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4237(c) § 60.4243(b)(2)(i) § 60.4243(f) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(d)	§ 60.4243(b)(2)(i) § 60.4245(a) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4) § 60.4245(b)	§ 60.4245(d) [G]§ 60.4245(e)
EMERGEN	EU	63ZZZZ-03	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
FIREPUMP	EU	63ZZZZ-03	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
FL-1	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
FL-2	CD	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
FL-2	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
FL-3	CD	R1111-02	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						§101.222(b).			
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in light liquid service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k)	Comply with the requirements for connectors as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d)	Comply with the requirements for pressure relief devices in light liquid service as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9(a) § 60.482-9(b) § 60.486(k)				
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in gas/vapor service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a)	Comply with the requirements for pumps in light liquid service as stated in §60.482-2 and §60.482-1(a), (b) and (d), except as provided in §60.633.	[G]§ 60.482-2(a) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k)				
FUG OOOOA	EU	60OOOOa	VOC	40 CFR Part 60, Subpart OOOOa	§ 60.5400a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-6a(a)(1) § 60.482-6a(a)(2) § 60.482-6a(b) § 60.482-6a(c) § 60.482-6a(d) § 60.482-6a(e) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.5370a(a) § 60.5370a(b) § 60.5400a(a) § 60.5400a(d) § 60.5400a(e) § 60.5400a(f) § 60.5410a § 60.5410a(f) § 60.5415a(f)	Except as provided in §60.5401 open-ended valves or lines must comply with the requirements of §60.482-6a. Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, except as provided in §60.482-1a(c) and paragraphs §60.482-6a(d) and §60.482-6a(e) of this section.	§ 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(d) § 60.485a(d)(2) § 60.485a(d)(3) [G]§ 60.5401a(f) § 60.5401a(g)	§ 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e) § 60.5420a(a) § 60.5420a(a)(1) § 60.5422a(a)
FUG OOOOA	EU	60OOOOa	VOC	40 CFR Part 60, Subpart OOOOa	§ 60.5400a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-7a(a)(1) [G]§ 60.482-7a(a)(2) § 60.482-7a(b) [G]§ 60.482-7a(c) [G]§ 60.482-7a(d) [G]§ 60.482-7a(e) [G]§ 60.482-7a(f)	Except as provided in §60.5401 valves in gas/vapor service or light liquid service must comply with the requirements of §60.482-7a. At a valve in gas/vapor service or light liquid service, if an instrument reading of 500 ppm or greater is measured, a leak is detected.	§ 60.482-1a(f)(1) § 60.482-1a(f)(2) [G]§ 60.482-1a(f)(3) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) § 60.485a(d) § 60.485a(d)(2) § 60.485a(d)(3) [G]§ 60.485a(e)	§ 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) [G]§ 60.486a(e)(8) § 60.486a(f) § 60.486a(f)(1)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(2) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(ii) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-7a(g) [G]§ 60.482-7a(h) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.5370a(a) § 60.5370a(b) § 60.5400a(a) § 60.5400a(d) § 60.5400a(e) § 60.5400a(f) § 60.5401a(d) § 60.5410a § 60.5410a(f) § 60.5415a(f)		[G]§ 60.5401a(f) § 60.5401a(g)	§ 60.486a(f)(2)	§ 60.487a(e) § 60.5420a(a) § 60.5420a(a)(1) § 60.5422a(a)
FUG OOOOA	EU	60OOOOa	VOC	40 CFR Part 60, Subpart OOOOa	§ 60.5400a(a) § 60.482-11a(b)(2) § 60.482-11a(b)(3) § 60.482-11a(b)(3)(i) § 60.482-11a(d) [G]§ 60.482-11a(e) [G]§ 60.482-11a(f)(1) § 60.482-11a(f)(2) § 60.482-11a(g) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.5370a(a) § 60.5370a(b) § 60.5400a(a)	Except as provided in §60.5401 connectors in gas and vapor and light liquid service must comply with the requirements of §60.482-11a. If an instrument reading greater than or equal to 500 ppm is measured in connectors in gas and vapor and light liquid service, a leak is detected.	§ 60.482-11a(a) § 60.482-11a(b) § 60.482-11a(b)(1) § 60.482-11a(b)(3) § 60.482-11a(b)(3)(ii) [G]§ 60.482-11a(b)(3)(iii) § 60.482-11a(b)(3)(iv) § 60.482-11a(c) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(d) § 60.485a(d)(2) § 60.485a(d)(3) [G]§ 60.485a(e) [G]§ 60.5401a(f)	§ 60.482-11a(b)(3)(v) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8) § 60.486a(e)(9) § 60.486a(f) § 60.486a(f)(1)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(5) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(vii) § 60.487a(c)(2)(viii) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e) § 60.5420a(a) § 60.5420a(a)(1) § 60.5422a(a)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.5400a(d) § 60.5400a(e) § 60.5400a(f) § 60.5401a(d) § 60.5410a § 60.5410a(f) § 60.5415a(f)		§ 60.5401a(g)		
FUG-1	EU	63HH-01	112(B) HAPS	40 CFR Part 63, Subpart HH	§ 63.764(e)(2)(i) § 63.764(a) § 63.764(e)(2) § 63.764(j)	Any ancillary equipment or compressors that contain or contact a fluid with a total VHAP concentration of <10% by weight are exempt from the equipment leak requirements of § 63.764(c)(3).	[G]§ 63.772(a)	§ 63.774(d)(2) § 63.774(d)(2)(i)	None
GO-FLARE1	CD	R1111-02	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
GO-FLARE1	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
GO-FLARE1	CD	63A-02	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(8)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part	§ 63.11(b)(4) § 63.11(b)(5)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						60 of this chapter shall be used.			
GRP111A	EP	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRP111B	EP	R1111-02	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
UNIT 924	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 925	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 926	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 927	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 930	EU	60GG-02	NO_X	40 CFR Part 60, Subpart GG	§ 60.332(a)(2) § 60.332(a)(3) § 60.332(k)	No owner or operator shall discharge into the atmosphere from any stationary gas turbine, any	[G]§ 60.335(a) § 60.335(b)(1) § 60.335(b)(2) § 60.335(c)(1)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						gases which contain nitrogen oxides in excess of the amount as determined from the specified equation.	** See Periodic Monitoring Summary		
UNIT 930	EU	60GG-02	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP111A	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: N/A	
Deviation Limit: If alternative fuel is fired for > 24 consecutive hours, report as a deviation, or conduct observation using Test Method 22. Report as a deviation if visible emissions are observed using Test Method 22 and opacity > 30% using Test Method 9.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP111B	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-02
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: N/A	
Deviation Limit: If alternative fuel is fired for > 24 consecutive hours, report as a deviation, or conduct observation using Test Method 22. Report as a deviation if visible emissions are observed using Test Method 22 and opacity > 20% using Test Method 9.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 930	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG-02
Pollutant: NO_X	Main Standard: § 60.332(a)(2)
Monitoring Information	
Indicator: Fuel Consumption	
Minimum Frequency: once per week	
Averaging Period: N/A	
Deviation Limit: 2.428 MMscf per week	
Periodic Monitoring Text: Measure and record fuel consumption. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 930	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG-02
Pollutant: NO_X	Main Standard: § 60.332(a)(2)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: every 15,000 hours of operation	
Averaging Period: N/A	
Deviation Limit: Maximum NOX Concentration = 150 ppm	
Periodic Monitoring Text: Measure and record the nitrogen oxides concentration of the exhaust gas on a biennial calendar basis using the method specified in 30 TAC § 117.8000(c). The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Permit Shield

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
AMNVENT	N/A	30 TAC Chapter 112, Sulfur Compounds	The sweetening unit is not a sulfur recovery plant.
AMNVENT	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
AMNVENT	N/A	40 CFR Part 60, Subpart LLL	The facility does not process sour natural gas.
AMNVENT	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
BOI-1	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
BOI-1	N/A	40 CFR Part 60, Subpart D	Heat input rate is less than 250 MMBtu/hr.
BOI-1	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
BOI-1	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
BOI-1	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/9/1989.
CT-1	N/A	40 CFR Part 63, Subpart Q	Cooling tower does not use chromium compounds after 09/08/1994.
DEHYBOI	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
DEHYBOI	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
DEHYBOI	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
DEHYBOI	N/A	40 CFR Part 60, Subpart Db	Heat input capacity is less than 100 MMBtu/hr.

Commented [QD2]: An OP-NOTIFY was submitted in February 2023 and acknowledged by TCEQ on March 22, 2023 that authorized the addition of a 60 MMBtu/hr steam reboiler, RB-STEAM. This unit replaced BOI-1. This is reflected in the updated OP-2.

Commented [QD3]: 40 CFR CFR 63 DDDDD is applicable to RB-STEAM, DEHYBOI, H-1, H-3, H-5. I've included an updated OP-UA5 and OP-UA6 to reflect this.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
DEHYBOI	N/A	40 CFR Part 60, Subpart Dc	Heat input capacity is less than 10 MMBtu/hr.
DEHYVENT	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
FLSHTNK	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
FLSHTNK	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified before 06/11/1973.
FLSHTNK	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified before 05/18/1978.
FLSHTNK	N/A	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 07/23/1984.
FLSHTNK	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
FUG	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not located in an applicable ozone non-attainment county.
FUG	N/A	40 CFR Part 60, Subpart KKK	Facility did not commence construction, reconstruction or modification after 1/20/1984.
FUG-1	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not located in an applicable ozone non-attainment county.
FUG-1	N/A	40 CFR Part 60, Subpart KKK	The facility is not a natural gas processing plant as defined in 60.631.
FUG-1	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GLYTANK	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GLYTANK	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GLYTANK	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
GLYTANK	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
GLYTANK	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
GLYTANK	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRP111B	BLCS1, BLCS2, BOI-1S, C-1, C-15, C-2, C-3, C-4, C-5, C-6, C-7, C-8, C-9, DEHYBOIS, H-1S, H-3S, H-5S, STARTER, UNIT 185S, UNIT 186S	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county/area.
GRPLOAD	LD-A, LD-B, LD-C, LD-D, LD-F, LD-G, LD-H, LD-I, LD-J, LD-K, LD-L, LD-M, TL-1	30 TAC Chapter 115, Loading and Unloading of VOC	Loading and unloading of VOC (except gasoline) is exempt in De Witt County.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified before 6/11/1973.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified before 5/18/1978.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart Ka	Capacity is less than 40,000 gallons.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
H-1	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
H-1	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-1	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
H-1	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-1	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/09/1989.
H-3	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
H-3	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-3	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
H-3	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-3	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/9/1989.
H-5	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
H-5	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-5	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
H-5	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-5	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/09/1989.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OWSH-1	N/A	30 TAC Chapter 115, Water Separation	Facility is not located in a Chapter 115 applicable county.
PRO-AMINE	N/A	30 TAC Chapter 112, Sulfur Compounds	The sweetening unit is not a sulfur recovery plant.
PRO-AMINE	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
PRO-AMINE	N/A	40 CFR Part 60, Subpart LLL	The facility does not process sour natural gas.
PRO-AMINE	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
PRO-FRAC1	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
PRO-FRAC2	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
PWSH-1	N/A	30 TAC Chapter 115, Degreasing Processes	Facility is not located in a Chapter 115 applicable county.
PWSH-1	N/A	40 CFR Part 63, Subpart T	Halogenated HAPs are not used for solvent cleaning.
T-107	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-107	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-107	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-107	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-107	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
T-107	N/A	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501A	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501A	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501A	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-501A	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501A	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501A	N/A	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501B	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501B	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501B	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-501B	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501B	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501B	N/A	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential

Commented [QD4]: I've submitted an updated OP-2 form to remove T-501A, T-501B, T-501C, Glytank BLCS1, BLCS2 Tank 11 and Tank 27 as these units no longer exist.

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501C	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501C	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501C	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-501C	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501C	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501C	N/A	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
TL-FUG	N/A	40 CFR Part 60, Subpart KKK	Truck loading equipment is not part of a natural gas processing plant as defined in §60.631.
TL-FUG	N/A	40 CFR Part 63, Subpart HH	Truck loading equipment is not part of a natural gas processing plant as defined in §60.761.
UNIT 184	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 184	N/A	40 CFR Part 60, Subpart GG	Constructed, reconstructed, or modified before October 3, 1977.
UNIT 184	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
UNIT 184	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 924	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 924	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 924	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 925	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 925	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 925	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 926	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 926	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 926	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 927	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
UNIT 927	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 927	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 928	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 928	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 928	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 929	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 929	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 929	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 930	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 930	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 930	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			turbine constructed or reconstructed before 01/14/2003.
UNIT 931	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 931	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 931	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 932	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 932	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 932	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 933	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 933	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 933	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.

New Source Review Authorization References

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 17457	Issuance Date:
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 6	Version No./Date: 05/05/1976
Number: 6	Version No./Date: 05/12/1981
Number: 7	Version No./Date: 11/05/1986
Number: 9	Version No./Date: 05/08/1972
Number: 51	Version No./Date: 11/05/1986
Number: 53	Version No./Date: 11/05/1986
Number: 57	Version No./Date: 05/05/1976
Number: 57	Version No./Date: 05/12/1981
Number: 58	Version No./Date: 05/08/1972
Number: 58	Version No./Date: 05/05/1976
Number: 58	Version No./Date: 05/12/1981
Number: 59	Version No./Date: 05/08/1972
Number: 64	Version No./Date: 05/08/1972
Number: 66	Version No./Date: 11/05/1986
Number: 70	Version No./Date: 05/08/1972
Number: 72	Version No./Date: 05/08/1972
Number: 72	Version No./Date: 05/05/1976
Number: 72	Version No./Date: 05/12/1981
Number: 82	Version No./Date: 12/01/1972
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.352	Version No./Date: 09/04/2000
Number: 106.352	Version No./Date: 02/27/2011
Number: 106.352	Version No./Date: 02/02/2012
Number: 106.352	Version No./Date: 11/22/2012
Number: 106.355	Version No./Date: 11/01/2001
Number: 106.359	Version No./Date: 09/10/2013
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.492	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Number: 106.512	Version No./Date: 06/13/2001
Number: 107	Version No./Date: 05/12/1981

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
AMNVENT	ARMSTRONG INLET ACID GAS VENT	106.352/09/04/2000
BLCS1	BLOWCASE VESSEL 1	106.352/02/27/2011
BLCS2	BLOWCASE VESSEL 2	106.352/02/27/2011
BOI-1	AMINE STEAM REBOILER HEATER	106.352/09/04/2000, 106.352/11/22/2012
BOI-1S	AMINE STEAM REBOILER HEATER STACK	106.352/09/04/2000, 106.352/11/22/2012
C-1	MEP-10, UNIT #931 STACK	6/05/05/1976
C-15	SATURN, UNIT #930 STACK	17457
C-2	MEP-10, UNIT #932 STACK	6/05/05/1976
C-3	MEP-10, UNIT #933 STACK	6/05/05/1976
C-4	CENTAUR, UNIT #924 STACK	6/05/12/1981
C-5	CENTAUR, UNIT #925 STACK	6/05/12/1981
C-6	CENTAUR, UNIT #926 STACK	6/05/12/1981
C-7	CENTAUR, UNIT #927 STACK	6/05/12/1981
C-8	MEP-6, UNIT #928 STACK	6/05/12/1981
C-9	MEP-6, UNIT #929 STACK	6/05/12/1981
CT-1	COOLING TOWER	9/05/08/1972
DEHYBOI	DEHYDRATOR REBOILER HEATER	106.352/09/04/2000, 106.352/11/22/2012
DEHYBOIS	DEHYDRATOR REBOILER HEATER STACK	106.352/09/04/2000, 106.352/11/22/2012
DEHYVENT	ARMSTRONG INLET GLYCOL DEHYDRATION UNIT VENT	106.352/09/04/2000
EMERGEN	EMERGENCY GENERATOR	106.511/09/04/2000
FIREPUMP	FIREPUMP ENGINE	106.511/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
FL-1	PLANT FLARE NO. 1	106.352/11/22/2012, 106.492/09/04/2000
FL-2	PLANT FLARE NO. 2	106.352/11/22/2012, 106.492/09/04/2000
FL-3	PLANT FLARE NO. 3	106.352/11/22/2012, 106.492/09/04/2000
FLSHTNK	CONDENSATE FLASH TANK	106.352/02/02/2012
FUG	PLANT FUGITIVES	66/11/05/1986
FUG KKK	PLANT FUGITIVES KKK	106.352/09/04/2000, 106.352/11/22/2012
FUG OOOOA	PLANT FUGITIVES OOOOA	106.352/11/22/2012
FUG-1	ARMSTRONG INLET FUGITIVES	106.352/09/04/2000, 106.352/11/22/2012
GLYTANK	TRIETHYLENE GLYCOL TANK	106.352/02/27/2011
GO-FLARE1	FACILITY FLARE	106.352/11/22/2012, 106.492/09/04/2000
H-1	REGENERATION GAS HEATER NO. 1	106.352/11/22/2012
H-1S	REGENERATION GAS HEATER NO. 1 STACK	107/05/12/1981
H-3	REGENERATION GAS HEATER NO. 3	106.352/11/22/2012
H-3S	REGENERATION GAS HEATER NO. 3 STACK	107/05/12/1981
H-5	REGENERATION GAS HEATER NO. 5	7/11/05/1986
H-5S	REGENERATION GAS HEATER NO. 5 STACK	7/11/05/1986
LD-A	LOADING AREA A GASOLINE	72/05/08/1972
LD-B	LOADING AREA B	51/11/05/1986
LD-C	LOADING AREA C	51/11/05/1986
LD-D	LOADING AREA D	51/11/05/1986
LD-F	LOADING AREA F	53/11/05/1986

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
LD-G	LOADING AREA G	51/11/05/1986
LD-H	LOADING AREA H	53/11/05/1986
LD-I	LOADING AREA I	51/11/05/1986
LD-J	LOADING AREA J	51/11/05/1986
LD-K	LOADING AREA K	51/11/05/1986
LD-L	LOADING AREA L	106.352/09/04/2000
LD-M	LOADING AREA M	106.352/09/04/2000
OWSH-1	OIL-WATER SEPARATOR	70/05/08/1972
PRO-AMINE	ARMSTRONG GAS PLANT AMINE TREATING PROCESS	72/05/12/1981
PRO-FRAC1	ARMSTRONG I PLANT FRACTIONATION PROCESS	72/05/05/1976
PRO-FRAC2	ARMSTRONG II PLANT FRACTIONATION PROCESS	72/05/12/1981
PWSH-1	PARTS WASHER / DEGREASER	106.454/11/01/2001
STARTER	COMPRESSOR ENGINE STARTER	106.512/06/13/2001
T-107	CONDENSATE/PRODUCED WATER TANK 107	106.352/02/27/2011
T-501A	METHANOL TANK T-501A	106.352/02/27/2011
T-501B	METHANOL TANK T-501B	106.352/02/27/2011
T-501C	METHANOL TANK T-501C	106.352/02/27/2011
TANK 002	LEAN OIL TANK	58/05/08/1972
TANK 003	RUNDOWN WATER TANK	58/05/08/1972
TANK 004	PRODUCED WATER TANK	58/05/08/1972
TANK 005	DISTILLATE TANK	58/05/08/1972

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
TANK 006	GASOLINE STORAGE TANK	72/05/08/1972
TANK 007	AMINE MIX TANK	57/05/12/1981
TANK 008	AMINE STORAGE TANK	106.352/09/04/2000
TANK 009	ANTIFREEZE TANK	57/05/05/1976
TANK 010	BSW TANK	57/05/12/1981
TANK 012	4060 GAL DIESEL TANK	106.352/11/22/2012
TANK 013	GASOLINE TANK	64/05/08/1972
TANK 014	GLYCOL TANK	106.352/09/04/2000
TANK 015	HEAT MEDIUM OIL TANK	57/05/12/1981
TANK 016	HOT OIL MIX TANK	57/05/12/1981
TANK 017	LUBE OIL TANK 1	58/05/12/1981
TANK 018	LUBE OIL TANK 2	58/05/05/1976
TANK 019	LUBE OIL TANK 3	58/05/05/1976
TANK 020	LUBE OIL TANK 4	58/05/05/1976
TANK 021	LUBE OIL TANK 5	59/05/08/1972
TANK 022	LUBE OIL TANK 6	58/05/05/1976
TANK 023	LUBE OIL TANK 7	58/05/12/1981
TANK 024	LUBE OIL TANK 8	59/05/08/1972
TANK 025	R.O. WATER STORAGE TANK	58/05/08/1972
TANK 026	SLOP OIL TANK 1	59/05/08/1972, 106.352/11/22/2012
TANK 028	TRIGLYCOL TANK	106.352/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
TANK 029	1,270 GAL LUBE OIL TANK	106.352/11/22/2012
TL-1	SLOP OIL TRUCK LOADING	106.352/11/22/2012
TL-FUG	TRUCK LOADING FUGITIVES	106.352/11/22/2012
UNIT 184	TURBINE UNIT 184	82/12/01/1972
UNIT 184S	TURBINE UNIT 184 STACK	82/12/01/1972
UNIT 185S	CATERPILLAR, UNIT 185 STACK	106.512/06/13/2001
UNIT 186S	CATERPILLAR, UNIT 186 STACK	106.512/06/13/2001
UNIT 924	CENTAUR, UNIT 924	6/05/12/1981
UNIT 925	CENTAUR, UNIT 925	6/05/12/1981
UNIT 926	CENTAUR, UNIT 926	6/05/12/1981
UNIT 927	CENTAUR, UNIT 927	6/05/12/1981
UNIT 928	MEP-6, UNIT #928	6/05/12/1981
UNIT 929	MEP-6, UNIT #929	6/05/12/1981
UNIT 930	SATURN, UNIT #930	17457
UNIT 931	MEP-10, UNIT #931	6/05/05/1976
UNIT 932	MEP-10, UNIT #932	6/05/05/1976
UNIT 933	MEP-10, UNIT #933	6/05/05/1976

Appendix A

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Thursday, February 6, 2025 3:15 PM
To: Samantha Mendez
Cc: Rhyan Stone; Bissonnette, Daniel; Alfredo Mendoza
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

That clears things up, no need for the meeting today. I will complete the appropriate tables and return them to you.

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

Enterprise Products

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 2:17 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>; Alfredo Mendoza <alfredo.mendoza@tceq.texas.gov>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good afternoon,

I have consulted with a technical specialist over the questions you brought to my attention earlier this morning. Regarding units H-1, H-3, H-5, BOI-1, and DEHYBOI, the current version of the Title V permit has high level MACT DDDDD requirements for these units. Additionally, these units which are currently listed on OP-UA6 (steam generating units) had high-level applicability for 40 CFR Part 63, Subpart DDDDD entered on the previous OP-UA6 in the IMS when the RRT was not developed for this regulation.

I requested unit attributes for MACT DDDDD on OP-UA6 since the unit attribute tables are now available for this regulation which was not submitted in the renewal application.

If these units are considered process heaters for MACT DDDDD (the definition of boiler and process heater are slightly different across the federal rules where a unit can be a process heater under one rule and a steam generating unit in another such as a process heater that heats oil for example), then the MACT DDDDD tables on form OP-UA5 (process heaters) must be completed.

If you have any questions or concerns regarding this information, we can still meet at 4pm for a Teams meeting.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

---

From: Samantha Mendez
Sent: Thursday, February 6, 2025 11:57 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Mr. Quesada,

Thank you for your patience and cooperation! I have just sent out a Teams meeting for the designated time of 4pm today.

Please feel free to contact me if you have any other questions or concerns you would like to discuss in the meantime.

I look forward to meeting with you later this afternoon.

Sincerely,

Samantha Mendez

Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Thursday, February 6, 2025 11:41 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Today at 4pm works for me.

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 10:38 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Mr. Quesada,

Unfortunately, we are unavailable between 7am-11:30am tomorrow. However, we are available tomorrow at 3pm for a meeting, if that by chance works for you as well.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Thursday, February 6, 2025 10:30 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Would you be able to have it tomorrow anytime between 7am-1130am? If not, I can do a call today at 4 pm.

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Thursday, February 6, 2025 10:22 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good morning,

Per our phone call, I would like to set up a Teams meeting. Does today at 4 pm work for you by chance?

Thank you for your cooperation!

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Thursday, February 6, 2025 9:32 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Thank you for the response. I just left a message on your phone. I'm looking to confirm what information specifically is missing from the OP-UA6 forms? Feel free to call me back to discuss.

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

Enterprise Products

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Wednesday, February 5, 2025 3:10 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: [EXTERNAL] RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Good afternoon,

I hope this email finds you well.

I can confirm that 09/04/2000 is an accurate effective date for PBR 106.352.

I apologize for any inconvenience this may have caused.

Thank you for your cooperation and understanding!

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Wednesday, February 5, 2025 1:54 PM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

I'm working on responding to your questions. One item you mentioned was that PBR 106.352 was not was not adopted or amended on 09/04/2000. However, based on the attached historical PBR document from the TCEQ website, that is a valid effective date. Please confirm whether or not this is accurate.

From: Quesada, Daniel
Sent: Monday, January 20, 2025 7:09 AM
To: 'Samantha Mendez' <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Your request has been received. I'll let you know if I have any questions.

Thanks

Daniel Quesada
Environmental Engineer

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

Enterprise Products

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Friday, January 17, 2025 1:57 PM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>
Subject: [EXTERNAL] Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]

Mr. Quesada,

I have been assigned to the Federal Operating Permit (FOP) renewal application of Permit No. O3184 for Enterprise Hydrocarbons LP, Armstrong Gas Plant. This application has been assigned Project No. 37417. Please address all correspondence pertaining to this permit application, including any updates, to me at the address below, and use both the Permit and Project reference numbers above to facilitate tracking.

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

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

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

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

Please review the WDP and submit to me any comments you have regarding it by February 14, 2025. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments.

In addition to the working draft permit, the following deficiencies were found during my review of the renewal application. **Please respond to the following by February 14, 2025.**

- On form OP-REQ1, the NSR Authorization number 17457, is listed with an issuance date of 04/15/2013.
    - This issuance date should be listed as 01/17/2023.
        - Please update section H and submit a revised version of page 89 on form OP-REQ1.
- Additionally, on form OP-REQ1, the PBR number 106.352 is listed with a version no./date of 09/04/2000.
    - PBR 106.352 was not adopted or amended on this date.
        - Please remove this date from section I and submit a revised version of page 89 on form OP-REQ1.
- On form OP-PBRSUP, the unit ID "H-1 Vent".
    - Please update Table D to reflect the unit "H-1 Vent" and resubmit Table D of the OP-PBRSUP form.
- Furthermore, several entries on form OP-PBRSUP, Table D appear to have the Registration Issuance date listed instead of the Registration No. or PBR Version No.
    - Please update OP-PVRSUP, Table D.
        - Once corrections are made to the OP-PBRSUP, the full form (Tables A through D) should be resubmitted for review
- I would like to confirm with you whether emission units, "UNIT 185" and "UNIT 186" respectively, are being deleted or added to OP-UA2.
    - Moreover, on form OP-UA2, there were a few typos that I noted, and wanted to share them with you.
        - The two Unit ID numbers that obtain typos are as follows: Unit 928 on page 4, 5, & 6 – typo found with the Index Number, Unit 932 on page 5 & 6 – typo found with the Index Number.
- On form OP-UA-6, there is missing information for a couple of emission units for Index Numbers 63DDDDD-01 through 63DDDDD-05.
    - Information is needed for the following unit IDs and index numbers respectively: Unit ID: **H-1** – Index No.: **63DDDDD-03**, Unit ID: **H-3** – Index No.: **63DDDDD-04**, Unit ID: **H-5** – Index No.: **63DDDDD-05**, Unit ID: **BOI-1** – Index No.: **63DDDDD-01**, and Unit ID: **DEHYBOI** – Index No.: **63DDDDD-02**.

Note- Some units/modifications/requested items were not included in the Working Draft Permit due to deficiencies being found in the application/permit.

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

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

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

Please notify me when these updates have been submitted.

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

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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From: Samantha Mendez
Sent: Thursday, February 6, 2025 2:17 PM
To: Quesada, Daniel
Cc: Rhyan Stone; Bissonnette, Daniel; Alfredo Mendoza
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Good afternoon,

I have consulted with a technical specialist over the questions you brought to my attention earlier this morning. Regarding units H-1, H-3, H-5, BOI-1, and DEHYBOI, the current version of the Title V permit has high level MACT DDDDD requirements for these units. Additionally, these units which are currently listed on OP-UA6 (steam generating units) had high-level applicability for 40 CFR Part 63, Subpart DDDDD entered on the previous OP-UA6 in the IMS when the RRT was not developed for this regulation.

I requested unit attributes for MACT DDDDD on OP-UA6 since the unit attribute tables are now available for this regulation which was not submitted in the renewal application.

If these units are considered process heaters for MACT DDDDD (the definition of boiler and process heater are slightly different across the federal rules where a unit can be a process heater under one rule and a steam generating unit in another such as a process heater that heats oil for example), then the MACT DDDDD tables on form OP-UA5 (process heaters) must be completed.

If you have any questions or concerns regarding this information, we can still meet at 4pm for a Teams meeting.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov


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Sent: Thursday, February 6, 2025 11:57 AM
To: Quesada, Daniel <DEQuesada@eprod.com>

Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Mr. Quesada,

Thank you for your patience and cooperation! I have just sent out a Teams meeting for the designated time of 4pm today.

Please feel free to contact me if you have any other questions or concerns you would like to discuss in the meantime.

I look forward to meeting with you later this afternoon.

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Good afternoon,

I hope this email finds you well.

I can confirm that 09/04/2000 is an accurate effective date for PBR 106.352.

I apologize for any inconvenience this may have caused.

Thank you for your cooperation and understanding!

Sincerely,

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Mr. Quesada,

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

a. NSR permit and PBR monitoring sufficiency –please refer to our periodic monitoring guidance for reference of monitoring that EPA has, so far, considered sufficient.
b. Reference to confidential business information (CBI) in NSR permits and PBR submittals.
c. High level terms in the SOP Applicable Requirement Summary Table. The high-level terms are sometimes used in SOPs when unit attribute forms have not yet been updated due to regulatory amendments.
d. Accuracy of PBR information provided on the supplemental table and in the permit – please refer to Forms OP-PBRSUP and OP-REQ1 Instructions.
If you have any questions or concerns on any of these items or think you need to do any additional updates, let me know and we can discuss further.

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

Please review the WDP and submit to me any comments you have regarding it by February 14, 2025. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments.

In addition to the working draft permit, the following deficiencies were found during my review of the renewal application. **Please respond to the following by February 14, 2025.**

- On form OP-REQ1, the NSR Authorization number 17457, is listed with an issuance date of 04/15/2013.
    - This issuance date should be listed as 01/17/2023.
        - Please update section H and submit a revised version of page 89 on form OP-REQ1.
- Additionally, on form OP-REQ1, the PBR number 106.352 is listed with a version no./date of 09/04/2000.
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        - Please remove this date from section I and submit a revised version of page 89 on form OP-REQ1.
- On form OP-PBRSUP, the unit ID “H-1 Vent”.
    - Please update Table D to reflect the unit “H-1 Vent” and resubmit Table D of the OP-PBRSUP form.
- Furthermore, several entries on form OP-PBRSUP, Table D appear to have the Registration Issuance date listed instead of the Registration No. or PBR Version No.
    - Please update OP-PVRSUP, Table D.
        - Once corrections are made to the OP-PBRSUP, the full form (Tables A through D) should be resubmitted for review

- I would like to confirm with you whether emission units, “UNIT 185” and “UNIT 186” respectively, are being deleted or added to OP-UA2.
    - Moreover, on form OP-UA2, there were a few typos that I noted, and wanted to share them with you.
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Note- Some units/modifications/requested items were not included in the Working Draft Permit due to deficiencies being found in the application/permit.

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

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

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

Please notify me when these updates have been submitted.

As required on Form OP-1, question IV.D, please remember the FOP application and all application updates must be submitted to EPA Region 6 at R6AirPermitsTX@epa.gov and to the TCEQ regional office having jurisdiction. This

submittal information can be found on our website at Where to Submit FOP Applications and Permit-Related Documents.

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

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(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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Sent: Thursday, February 6, 2025 9:32 AM
To: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>; Bissonnette, Daniel <dmbissonnette@eprod.com>
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

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(O) 713-381-6770
(C) 832-504-6078

Enterprise Products

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To: Samantha Mendez
Cc: Rhyan Stone; Bissonnette, Daniel
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Would you be able to have it tomorrow anytime between 7am-1130am? If not, I can do a call today at 4 pm.

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To: Quesada, Daniel <DEQuesada@eprod.com>
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Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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From: Samantha Mendez
Sent: Thursday, February 6, 2025 10:22 AM
To: Quesada, Daniel
Cc: Rhyan Stone; Bissonnette, Daniel
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Good morning,

Per our phone call, I would like to set up a Teams meeting. Does today at 4 pm work for you by chance?

Thank you for your cooperation!

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Enterprise Products

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

Please review the WDP and submit to me any comments you have regarding it by February 14, 2025. Please submit a written response by this deadline, even if you are not making any comments on the content of the WDP. Note that any application updates necessary to make requested changes must accompany the WDP comments.

In addition to the working draft permit, the following deficiencies were found during my review of the renewal application. **Please respond to the following by February 14, 2025.**

- On form OP-REQ1, the NSR Authorization number 17457, is listed with an issuance date of 04/15/2013.
    - This issuance date should be listed as 01/17/2023.
        - Please update section H and submit a revised version of page 89 on form OP-REQ1.
- Additionally, on form OP-REQ1, the PBR number 106.352 is listed with a version no./date of 09/04/2000.

    - PBR 106.352 was not adopted or amended on this date.
        - Please remove this date from section I and submit a revised version of page 89 on form OP-REQ1.
- On form OP-PBRSUP, the unit ID "H-1 Vent".
    - Please update Table D to reflect the unit "H-1 Vent" and resubmit Table D of the OP-PBRSUP form.
- Furthermore, several entries on form OP-PBRSUP, Table D appear to have the Registration Issuance date listed instead of the Registration No. or PBR Version No.
    - Please update OP-PVRSUP, Table D.
        - Once corrections are made to the OP-PBRSUP, the full form (Tables A through D) should be resubmitted for review
- I would like to confirm with you whether emission units, "UNIT 185" and "UNIT 186" respectively, are being deleted or added to OP-UA2.
    - Moreover, on form OP-UA2, there were a few typos that I noted, and wanted to share them with you.
        - The two Unit ID numbers that obtain typos are as follows: Unit 928 on page 4, 5, & 6 – typo found with the Index Number, Unit 932 on page 5 & 6 – typo found with the Index Number.
- On form OP-UA-6, there is missing information for a couple of emission units for Index Numbers 63DDDDD-01 through 63DDDDD-05.
    - Information is needed for the following unit IDs and index numbers respectively: Unit ID: **H-1** – Index No.: **63DDDDD-03**, Unit ID: **H-3** – Index No.: **63DDDDD-04**, Unit ID: **H-5** – Index No.: **63DDDDD-05**, Unit ID: **BOI-1** – Index No.: **63DDDDD-01**, and Unit ID: **DEHYBOI** – Index No.: **63DDDDD-02**.

Note- Some units/modifications/requested items were not included in the Working Draft Permit due to deficiencies being found in the application/permit.

Please review the "SOP Technical Review Fact Sheet" located at http://www.tceq.texas.gov/assets/public/permitting/air/Guidance/Title_V/sop_wdp_factsheet.pdf. This guidance contains important information regarding the review process, application updates, WDP review and comment procedures.

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

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

Please notify me when these updates have been submitted.

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

Contact me if you have any questions regarding the guidelines, the project schedule, or any other details regarding your application or permit.

Thank you for your cooperation.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov


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Permit by Rule, Chapter 106 - September 4, 2000

30 TAC Chapter 106 - Exemptions from Permitting

SUBCHAPTER A: GENERAL REQUIREMENTS
Section Section 106.1, 106.2, 106.4, 106.5, 106.6, 106.13
Effective September 4, 2000

Section 106.1. Purpose.

This chapter identifies certain types of facilities or changes within facilities which the commission has determined will not make a significant contribution of air contaminants to the atmosphere pursuant to the Texas Health and Safety Code, the Texas Clean Air Act (TCAA), Section 382.057 and Section 382.05196.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.2. Applicability.

This chapter applies to certain types of facilities or changes within facilities listed in this chapter where construction is commenced on or after the effective date of the relevant permit by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.4. Requirements for Permitting by Rule.

(a) To qualify for an exemption, the following general requirements must be met.

(1) Total actual emissions authorized under permit by rule from the facility shall not exceed 250 tons per year (tpy) of carbon monoxide (CO) or nitrogen oxides (NOx); or 25 tpy of volatile organic compounds (VOC) or sulfur dioxide (SO2) or inhalable particulate matter (PM10); or 25 tpy of any other air contaminant except carbon dioxide, water, nitrogen, methane, ethane, hydrogen, and oxygen.

(2) Any facility or group of facilities, which constitutes a new major stationary source, as defined in Section 116.12 of this title (relating to Nonattainment Review Definitions), or any modification which constitutes a major modification, as defined in Section 116.12 of this title, under the new source review requirements of the Federal Clean Air Act (FCAA), Part D (Nonattainment) as amended by the FCAA
Amendments of 1990, and regulations promulgated thereunder, must meet the permitting requirements of Chapter 116, Subchapter B of this title (relating to New Source Review Permits) and cannot qualify for a permit by rule under this chapter. Persons claiming a permit by rule under this chapter should see the requirements of Section 116.150 of this title (relating to New Major Source or Major Modification in Ozone Nonattainment Areas) to ensure that any applicable netting requirements have been satisfied.

(3) Any facility or group of facilities, which constitutes a new major stationary source, as defined in 40 Code of Federal Regulations (CFR) Section 52.21, or any change which constitutes a major modification, as defined in 40 CFR Section 52.21, under the new source review requirements of the FCAA, Part C (Prevention of Significant Deterioration) as amended by the FCAA Amendments of 1990, and
regulations promulgated thereunder, must meet the permitting requirements of Chapter 116, Subchapter B of this title and cannot qualify for a permit by rule under this chapter.

(4) Unless at least one facility at an account has been subject to public notification and comment as required in Chapter 116, Subchapter B or Subchapter D of this title (relating to New Source Review Permits or Permit Renewals), total actual emissions from all facilities permitted by rule at an account shall not exceed 250 tpy of CO or NO x ; or 25 tpy of VOC or SO2 or PM10 ; or 25 tpy of any other air contaminant except carbon dioxide, water, nitrogen, methane, ethane, hydrogen, and oxygen.

(5) Construction or modification of a facility commenced on or after the effective date of a revision of this Section or the effective date of a revision to a specific permit by rule in this chapter must meet the revised requirements to qualify for a permit by rule.

(6) A facility shall comply with all applicable provisions of the FCAA, Section 111 (Federal New Source Performance Standards) and Section 112 (Hazardous Air Pollutants), and the new source review requirements of the FCAA, Part C and Part D and regulations promulgated
thereunder.

(7) There are no permits under the same commission account number that contain a condition or conditions precluding the use of a permit by rule under this chapter.

(b) No person shall circumvent by artificial limitations the requirements of Section 116.110 of this title (relating to Applicability).

(c) The emissions from the facility shall comply with all rules and regulations of the commission and with the intent of the TCAA, including protection of health and property of the public, and all emissions control equipment shall be maintained in good condition and operated properly during operation of the facility.

(d) Facilities permitted by rule under this chapter are not exempted from any permits or registrations required by local air pollution control agencies. Any such requirements must be in accordance with TCAA, Section 382.113 and any other applicable law.
Adopted March 7, 2001 Effective March 29, 2001

Section 106.5. Public Notice.

(a) Any registration subject to this chapter that is declared administratively complete on or after September 1, 1999 is subject to the current version of this chapter. Any registration that is declared administratively complete before September 1, 1999 is subject to the December 24, 1998 version of this chapter, and that version of this chapter is continued in effect for this purpose.

(b) Facilities constructed under this chapter that consist of permanently or temporarily located concrete plants that accomplish wet batching, dry batching, or central mixing, or specialty wet batch, concrete, mortar, grout mixing, or pre-cast concrete products, shall conduct public notice of the proposed construction unless exempted from public notice requirements by TCAA, Section 382.058(b). In all
cases, public notice shall comply with the requirements under Chapter 39 of this title (relating to Public Notice) and public articipation shall be subject to Chapter 55 of this title (relating to Requests for Reconsideration and Contested Case Hearing; Public Comment).
Adopted September 2, 1999 Effective September 23, 1999

Section 106.6. Registration of Emissions.

(a) An owner or operator may certify and register the maximum emission rates from facilities exempted under this chapter in order to establish enforceable allowable emission rates which are below the emission limitations in 106.4 of this title (relating to Requirements for Exemption from Permitting).

(b) All representations with regard to construction plans, operating procedures, and maximum emission rates in any certified registration under this Section become conditions upon which the exempt facility shall be constructed and operated.

(c) It shall be unlawful for any person to vary from such representation if the change will cause a change in the method of control of emissions, the character of the emissions, or will result in an increase in the discharge of the various emissions, unless the certified registration is first revised.

(d) The certified registration must include documentation of the basis of emission estimates and a written statement by the registrant certifying that the maximum emission rates listed on the registration reflect the reasonably anticipated maximums for operation of the facility.

(e) The certified registration shall be maintained on-site and be provided immediately upon request by representatives of the Texas Natural Resource Conservation Commission or any air pollution control agency having jurisdiction. If the plant site is unmanned, the regional manager may authorize an alternative site to maintain this documentation. Copies of the certified registration shall be included in applications for permits subject to review under the undesignated heads in Chapter 116, 30 TAC 106 - Subchapter B of this title (relating to New Source Review Permits).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.13. References to Standard Exemptions and Exemptions from Permitting.

The authorizations formerly known as standard exemptions and exemptions from permitting are referred to as permits by rule in this title. Types of facilities and changes within facilities authorized by those standard exemptions and exemptions from permitting continue to be authorized unless modifications or changes to those facilities has caused them to no longer meet the conditions of the former standard exemption or exemption from permitting and the general requirements of this subchapter.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER C : DOMESTIC AND COMFORT HEATING AND COOLING
Section Section 106.101 - 106.103
Effective September 4, 2000

Section 106.101. Domestic Use Facilities.

Any facility constructed and operated at a domestic residence for domestic use is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.102. Comfort Heating.

This Section permits by rule combustion units designed and used exclusively for comfort heating purposes employing liquid petroleum gas, natural gas, solid wood, or distillate fuel oil. Distillate fuel oil includes diesel fuel, kerosene, and heating oil Grades 4 and lighter. Distillate fuel oil does not include heavier residual oils such as Grades 5 and 6 fuel oil. Combustion of bark chips, sawdust, wood chips, treated wood, or wood contaminated with chemicals is not included. Used oil that has not been mixed with hazardous waste may be used as fuel in space heaters provided that:

(1) the space heater or combination of space heaters at the same account have a maximum capacity of 1.0 Million Btu per hour (MMBtu/hr) provided each individual heater is not greater than 0.5 MMBtu/hr;

(2) the combustion gases from the heater(s) are vented to the ambient air in accordance with the following requirements:

(A) through an unobstructed vertical vent; or

(B) for a stack with a cap;

(i) for a flat roof, through a minimum of a three-foot stack; or

(ii) for a sloped roof, through a stack that is three feet higher than a point extending ten feet horizontally from the roof; and

(3) the heater(s) burns only used oil that the owner or operator generates on-site or used oil received from household do-it-yourself used oil generators.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.103. Air Conditioning and Ventilation Systems.

Comfort air conditioning systems or comfort ventilating systems which are not used to remove air contaminants generated by or released from specific units of equipment are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER D : ANALYSIS AND TESTING
Section Section 106.121 - 106.124
Effective September 4, 2000

Section 106.121. Hydraulic and Hydrostatic Testing Equipment.

Equipment used for hydraulic or hydrostatic testing is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.122. Bench Scale Laboratory Equipment.

Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analyses are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.123. Vacuum-producing Devices for Laboratory Use.

Vacuum-producing devices used in laboratory operations are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.124. Pilot Plants.

Any new or modified pilot plant is permitted by rule, provided the following conditions of this Section are met.

(1) For purposes of this Section , a pilot plant is defined as a facility that is constructed and operated only for one of the following purposes:

(A) testing the manufacturing or marketing potential of a proposed product; or

(B) defining the design of a larger plant; or

(C) studying the behavior of an existing plant through modeling in the pilot plant.

(2) The sum of product, co-product, and by-product production design capacity from the pilot plant shall not exceed five million pounds per year.

(3) Operation of the pilot plant for purposes of testing market potential of a product, co-product, or by-product may not occur beyond the end of the fifth calendar year from the year of initial production (year 1) of the specific product, co-product, or by-product, unless a permit is obtained under Section 116.110 of this title (relating to Applicability). This five-year limit on pilot plant activity applies to equipment devoted to development of one specific product or process; therefore, that equipment can be subsequently used for development of other process(es) or product(s), setting a new time limit for its use.

(4) The pilot plant shall be located at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.

(5) New or increased emissions shall not exceed 6.0 pounds per hour (lb/hr) and ten tons per year in total (including fugitives) and shall not exceed 1.0 lb/hr at any single stack (excluding fugitives). In addition, total new or increased emissions of each specific chemical shall not exceed the most stringent applicable requirement of the following:

(A) the chemical-specific emission limits determined by Section 106.262(3) of this title (relating to Facilities (Emission and Distance Limitations));

(B) the chemical-specific emission limits determined by Section 106.261(4) of this title (relating to Facilities (Emission Limitations)); or

(C) 6.0 lb/hr for any simple asphyxiant as defined by the American Conference of Governmental Industrial Hygienists.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER E: AGGREGATE AND PAVEMENT
Section Section 106.141 - 106.150
Effective September 4, 2000

Section 106.141. Batch Mixers.

Batch mixers with rated capacity of five cubic feet or less for mixing cement, sand, aggregate, additives, and/or water or similar materials are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.142. Rock Crushers.

Any rock crusher with a maximum rated capacity of 200 tons per hour or less that operates according to the following conditions of this Section is permitted by rule:

(1) operating schedule of the plant does not exceed 1,600 hours per year;

(2) all in-plant haul roads and stockpiles are sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions;

(3) water sprays are located at all belt transfer points, shaker screens, and inlet and outlet of all crushers and used as necessary to achieve maximum control of dust emissions;

(4) the plant is located at least 1/2 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located;

(5) the plant is located at least 1,000 feet from any state or federal highway not currently under maintenance or construction;

(6) before construction of the facility begins, written site approval is received from the executive director and the facility shall be registered with the commission using Form PI-7, including a current Table 17.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.143. Wet Sand and Gravel Production.

Any wet sand and gravel production facility that obtains its material from subterranean and subaqueous beds where the deposits of sand and gravel are consolidated granular materials resulting from natural disintegration of rock and stone and whose production rate is 500 tons per hour or less is permitted by rule. All permanent in-plant roads shall be paved and cleaned as necessary or watered as necessary to achieve maximum control of dust emissions.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.144. Bulk Mineral Handling.

All bulk mineral product (except asbestos) handling facilities that operate in compliance with the following conditions of this Section are permitted by rule.

(1) All material shall be transported in a closed conveying system and all exhaust air to the atmosphere shall be vented through a fabric filter having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with automatic air cleaning.

(2) All permanent in-plant roads and vehicle work areas shall be watered, treated with dust-suppressant chemicals, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(3) The facility (including associated stationary equipment and stockpiles) shall be located at least 300 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the property upon which the facility is located.

(4) Before construction begins, written site approval must be received from the executive director and the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.

Adopted August 9, 2000 Effective September 4, 2000

Section 106.145. Bulk Sand Handling.

All oil well servicing bulk sand handling facilities that operate according to the following conditions of this Section are permitted by rule.

(1) All sand shall be prewashed.

(2) All handling of sand shall be mechanical or, if conveyed pneumatically, the conveying air shall be vented to the atmosphere through a fabric filter(s) having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with air cleaning.

(3) All permanent in-plant roads and vehicle work areas shall be watered, treated with dust- suppressant chemicals, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(4) The facility (including associated stationary equipment and stockpiles) shall be located at least 300 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the property upon which the facility is located.

(5) Before construction begins, the owner or operator shall file with the commission's Office of Permitting, Remediation, and Registration in Austin a completed Form PI-7 and supporting documentation demonstrating that all of the requirements of the permit by rule will be met.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.146. Soil Stabilization Plants.

Any soil stabilization facility that operates according to the following conditions of this Section is permitted by rule.

(1) All bulk storage silos shall be equipped with fabric filter(s) having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with automatic air cleaning.

(2) All conveyor belts transferring dry material to the pug mill shall be top covered.

(3) The pug mill used to mix the materials shall be covered.

(4) All permanent in-plant roads and vehicle work areas shall be watered, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(5) An audible and/or visible mechanism shall be installed on the storage silo(s) to notify operators that the silo is full.

(6) All stockpiles shall be sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions.

(7) When emulsified asphalt is used as the stabilizing admixture, the emulsified asphalt shall be stored in a container used exclusively for emulsified asphalt storage. Transfer of emulsified asphalt from the storage tank to the pug mill shall be accomplished by means of a pump and metering device.

(8) Before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Permitting, Remediating, and Registration in Austin using Form PI-7.

(9) The facility shall be located at least 300 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located. This distance limitation does not apply to structures within the boundaries of the project for which the facility is to process stabilized soil when the facility is located on or contiguous to the project.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.147. Asphalt Concrete Plants.

Any asphalt concrete facility that complies with 40 Code of Federal Regulations Part 60, Subparts A and I and operates according to the following conditions of this Section is exempt.

(1) A New Source Performance Standard pretest meeting concerning the required stack sampling shall be held with commission personnel before the required tests are performed. Air contaminants to be tested for will be determined at the pretest meeting. Stack sampling requirements will not be required by the executive director, provided that:

(A) the applicant submits adequate documentation (including copies of previous test results of the model hot mix plant proposed, including a description of the aggregate materials used in previous tests) demonstrating compliance with the 0.04 grain per dry standard cubic feet allowable;

(B) visible emissions from the exhaust stack are documented at 5.0% or less opacity averaged over six consecutive minutes.

(2) Fuel for dryers shall be sweet natural gas as defined in Chapter 101 of this title (relating to General Rules) or liquid petroleum gas, diesel, or fuel oil with a maximum sulfur content of 1.5%.

(3) All aggregate stockpiles shall be sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions.

(4) All permanent in-plant roads shall be watered, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(5) The plant is located at least 1/2 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.

(6) Before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7, including a current Table 22.

(7) Emissions of particulate matter, sulfur dioxide, or organic compounds shall not exceed 25 tons per year each. Adopted August 9, 2000 Effective September 4, 2000

Section 106.148. Material Unloading.

Railcar or truck unloading of wet sand, gravel, aggregate, coal, lignite, and scrap iron or scrap steel (but not including metal ores, metal oxides, battery parts, or fine dry materials) into trucks or other railcars for transportation to other locations is permitted by rule, provided the following conditions of this Section are met.

(1) Bulk materials shall not be stored on-site.

(2) Water sprays or the equivalent must be installed and used as necessary at material handling operations to achieve maximum control of dust emissions.

(3) All permanent in-plant roads and vehicle work areas shall be watered, treated with dust-suppressant chemicals, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.149. Sand and Gravel Processing.

Any sand and gravel production facility that obtains its material from deposits of sand and gravel consisting of natural disintegration of rock and stone is permitted by rule, provided that the ollowing conditions of this Section are satisfied:

(1) crushing or breaking operations are not used;

(2) no blasting is conducted to obtain the material;

(3) water sprays are installed on the plant at all screens and transfer points and used as necessary to achieve maximum control of dust emissions;

(4) the area where the sand and gravel is obtained shall be sprinkled with water as necessary to achieve maximum control of dust emissions before the material is removed and transported for processing;

(5) all in-plant roads shall be paved and cleaned or sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions;

(6) the plant is located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located;

(7) the production rate is 50 tons per hour or less.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.150. Asphalt Silos.

Any silo used to store hot mix asphalt or asphalt emulsion concrete mixtures which meets the following conditions of this Section is permitted by rule:

(1) no cutback asphalt mixtures are stored;

(2) for silos on location for more than six months, all truck traffic areas are paved and cleaned as necessary to achieve maximum control of dust emissions and for those silos on location for six months or less, the truck traffic areas are sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions;

(3) fuel used for heating the silo is sweet natural gas as defined in Chapter 101 of this title (relating to General Air Quality Rules) or liquid petroleum gas or first run refinery grade diesel or Number 2 fuel oil that is not a blend containing waste oils or solvents and that contains less that 0.5% by weight sulfur;

(4) the silo(s) is located at least 300 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the property upon which the silo(s) is located;

(5) before construction begins, written site approval is received from the executive director and the facility is registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER F : ANIMAL CONFINEMENT
Section Section 106.161 - 106.163
Effective September 4, 2000

Section 106.161. Animal Feeding Operations.

Animal feeding operations which confine animals in numbers specified in paragraph (1) of this Section and any associated on-site feed handling and/or feed milling operations which satisfy the following conditions of this Section are permitted by rule.

(1) Operations designed to feed no more than:

(A) 1,000 cattle;

(B) 1,000 horses and mules;

(C) 2,500 swine weighing more than 55 pounds;

(D) 10,000 sheep and goats; or

(E) 1,000 animal equivalents.

(2) Where a combination of cattle, swine weighing over 55 pounds, horses and mules, or sheep and goats are present, animal equivalents shall be calculated by adding the following numbers.

1.0 x (number of cattle)
+ 0.4 x (number of swine weighing over 55 pounds)
+ 2.0 x (number of horses and mules)
+ 0.1 x (number of sheep and goats)
==========
Total = animal equivalents.

(3) In determining the number of animals or animal equivalents, mothers with nursing young shall be counted as a single animal while the young are nursing. Once removed from the mother, the young animals shall be counted when determining the number of animals or animal equivalents. Swine weighing 55 pounds or less shall be allowed, but not counted in determining the number of animals or animal equivalents. Animals on pasture are not considered as part of the animal feeding operation.

(4) Operations designed to feed no more than 55,000 turkeys or other birds, excluding ducks, concentrated on open lots.

(5) Operations designed to feed no more than 5,000 ducks.

(6) All caged poultry operations designed to feed no more than 30,000 birds.

(7) All housed poultry operations when wood shavings or similar material is used as litter.

(8) All caged poultry operations designed to feed more than 30,000 birds when a dry manure storage and handling system is used and when located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the egg laying or caged pullet operation. Before construction of the caged laying and caged pullet operations begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration using Form PI-7.

(9) For the associated on-site feed handling and/or feed milling operations to be covered under this Section , no products from the feed handling and or feed milling shall be shipped off-site.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.162. Livestock Auction Facilities.

Livestock auction sales facilities are permitted by rule, provided the following conditions of this Section are satisfied.

(1) All holding pens shall be covered by a roof.

(2) All traffic areas shall be paved and cleaned, oiled, or sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions.

(3) Manure shall be cleaned from pens as necessary to prevent an odor nuisance and disposed of in a manner which will not create a nuisance.

(4) Dead animals shall be properly disposed of within 24 hours after death.

(5) The facility shall be located at least 600 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of this facility.

(6) Before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.163. Race Tracks, Zoos, and Animal Shelters.

All animal racing facilities, domestic animal shelters, zoos, and their associated confinement areas, stables, feeding areas, and waste collection and treatment facilities are permitted by rule. Incineration units are not authorized under this Section .
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER G: COMBUSTION
Section Section 106.181 - 106.183
Effective September 4, 2000

Section 106.181. Used-Oil Combustion Units.

Small boilers and heaters burning used oil that has not been mixed with hazardous waste are permitted by rule provided that all of the following conditions are met:

(1) the combustion unit or combination of combustion units at the same account have a maximum capacity of 1.0 million Btu per hour (MMBtu/hr) and each individual combustion unit is not greater than 0.5 MMBtu/hr;

(2) the combustion gases from the combustion unit(s) are vented to the ambient air in accordance with the following requirements:

(A) through an unobstructed vent; or

(B) through a vertical vent with a cap; and

(i) a flat roof, through a minimum of a three-foot stack; or

(ii) a sloped roof, through a stack that is at least three feet higher than the highest point on the roof or three feet higher than a point extending ten feet horizontally from the roof; and

(3) the combustion unit(s) burns only used oil the owner or operator generates on-site or used oil received from household do-it-yourself used oil generators.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.182. Ceramic Kilns.

Kilns used for firing ceramic ware, heated exclusively by natural gas, liquid petroleum gas, electricity, or any combination thereof are permitted by rule where the conditions of this Section are met:

(1) the total heat input is ten million British thermal units per hour or less; and

(2) there are no emissions of lead, beryllium, or fluorides, and emissions of sulfur dioxide and particulate matter from both the material being fired and fuel burned do not exceed 25 tons per year of either air contaminant.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.183. Boilers, Heaters, and Other Combustion Devices.

Boilers, heaters, drying or curing ovens, furnaces, or other combustion units, but not including stationary internal combustion engines or turbines are permitted by rule, provided that the following conditions are met.

(1) The only emissions shall be products of combustion of the fuel.

(2) The maximum heat input shall be 40 million British thermal unit (Btu) per hour with the fuel being:

(A) sweet natural gas;

(B) liquid petroleum gas;

(C) fuel gas containing no more than 0.1 grain of total sulfur compounds, calculated as sulfur, per dry standard cubic foot; or

(D) combinations of the fuels in subparagraphs (A) - (C) of this paragraph.

(3) Distillate fuel oil shall be fired as a backup fuel only. Firing shall be limited to 720 hours per year. The fuel oil shall contain less than 0.3% sulfur by weight and shall not be blended with waste oils or solvents.

(4) All gas fired heaters and boilers with a heat input greater than ten million Btu per hour (higher heating value) shall be designed such that the emissions of nitrogen oxides shall not exceed 0.1 pounds per million Btu heat input.

(5) Records of hours of fuel oil firing and fuel oil purchases shall be maintained on-site on a two-year rolling retention period and made available upon request to the commission or any local air pollution control agency having jurisdiction.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER H : CONCRETE BATCH PLANTS
Section Section 106.201 - 106.203
Effective September 4, 2000

Section 106.201 Permanent and Temporary Concrete Batch Plants

Any permanently or temporarily located concrete plant that accomplishes wet batching, dry batching, or central mixing, and operates in compliance with the following conditions of this Section is exempt. For purposes of this Section , a temporarily located concrete facility is one that occupies a designated site for not more than 180 consecutive days or supplies concrete for a single public works project or for the same contractor for related project segments, but not other unrelated projects.

(1) All stockpiles shall be sprinkled with water and/or dust-suppressant chemicals as necessary to achieve maximum control of dust emissions. The stockpile sprinkler system shall be operable at all times.

(2) A mechanism shall be installed on each bulk storage silo to warn operators when the silo is full.

(3) All permanent in-plant roads (batch truck and material delivery truck roads) shall be paved with a cohesive hard surface that can be repeatedly swept, washed, and maintained intact and cleaned as necessary to achieve maximum control of dust emissions. All batch trucks and material delivery trucks shall remain on a paved surface when entering, conducting primary functions, and leaving the property. Other areas on the property subject to vehicle traffic shall be watered, treated with dust-suppressant chemicals, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(4) The cement weigh hopper shall be vented to its own fabric filter or the central collection system specified in paragraph (6) of this Section .

(5) All bulk storage silos shall be equipped with fabric filter(s) having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with automatic air cleaning or shall be vented to the central collection system specified in paragraph (6) of this Section .

(6) The dust emissions at the batch drop point (drum feed for central mix plants) shall be controlled by a shroud or other pickup device delivering a minimum of 4,000 actual cubic feet per minute of air to a fabric filter with automatic air cleaning and a 7.0 ft/min maximum filtering velocity, or automatic sequenced mechanical cleaning (not manually activated) and a 5.25 ft/min maximum filtering velocity.

(7) Unless the facility is to be located temporarily in or contiguous to the right-of-way of a public works project, public notice and opportunity for public hearing, as specified in Section 106.5 of this title (relating to Public Notice), must be published and documentation provided to the commission. A temporarily located plant exempt from public notice may provide concrete for the same contractor for project segments with the same governmental entity, but may not produce concrete for other unrelated projects or other governmental entities.

(8) Spillage of cement and fly ash used in the batch shall be cleaned up immediately and contained or dampened so that dust emissions from wind erosion and/or vehicle traffic are minimized.

(9) All open-bodied vehicles transporting material from a dry batch plant to the paving mixer(s) shall be loaded with a final layer of wet sand and/or the truck shall be covered with a tarp to reduce the emissions of dust to the minimum level possible under existing conditions.

(10) Before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7, including a current Table 20.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.202 Temporary Concrete Batch Plants

Any temporarily located concrete facility that accomplishes wet batching, dry batching, or central mixing and operates according to the following conditions of this Section is exempt. For purposes of this Section , a temporarily located concrete facility is one that occupies a designated site for not more than 180 consecutive days or supplies concrete for a single public works project or for the same contractor for related project segments, but not other unrelated projects.

(1) All bulk storage silos, including auxiliary bulk storage trailers (pigs), shall be equipped with fabric filter(s) having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with automatic air cleaning or are vented to the central collection system specified in paragraph (6) of this Section .

(2) The cement weigh hopper shall be vented to a control device which eliminates visible emissions or vented inside the charging hopper of the transit mix truck if controlled by a suction shroud.

(3) A visible and/or audible warning mechanism shall be installed on each silo or auxiliary bulk storage trailer to warn operators that the silo or trailer (pig) is full.

(4) All in-plant roads (batch truck and material delivery truck roads) and areas between stockpiles and conveyor hoppers shall be watered, treated with dust-suppressant chemicals, oiled, or paved with a cohesive hard surface that can be repeatedly swept, washed, and maintained intact and cleaned as necessary to achieve maximum control of dust emissions.

(5) All stockpiles shall be sprinkled with water and/or dust-suppressant chemicals as necessary to achieve maximum control of dust emissions. An operable stockpile watering system shall be on-site at all times.

(6) Loading of rotary mix trucks at wet batch plants shall be through a discharge spout equipped with a water fog ring having low-velocity fog nozzles spaced to create a continuous fog curtain that controls dust emissions, or through a suction shroud which is vented to a central collection system with a minimum of 4,000 actual cubic feet per minute (acfm) of air to a fabric filter with air cleaning and a 7.0 ft/min maximum filtering velocity or automatic sequenced mechanical cleaning and a 5.25 ft/min maximum filtering velocity.

(7) Dust emissions from the loading of open-bodied trucks at the batch drop point of dry batch plants, or dust emissions from the drum feed for central mix plants shall be controlled by a suction shroud which is vented to a central collection system with a minimum of 4,000 acfm of air to a fabric filter with air cleaning and a 7.0 ft/min maximum filtering velocity or automatic sequenced mechanical cleaning (not manually activated) and a 5.25 ft/min maximum filtering velocity. Suction shrouds at dry batch plants shall be used for closure over the receiving vehicle compartment or bed.

(8) Spillage of cement and fly ash used in the batch shall be cleaned up immediately and contained or dampened so that dust emissions from wind erosion and/or vehicle traffic are minimized.

(9) The facility (including associated stationary equipment and stockpiles) shall be located at least 300 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the property upon which the facility is located. This distance limitation does not apply to structures within the boundaries of the project for which the facility is to pour concrete when the facility is located on or contiguous to the project.

(10) Unless the facility is to be located temporarily in or contiguous to the right-of-way of a public works project, public notice and opportunity for public hearing, as specified in Section 106.5 of this title (relating to Public Notice), must be published and documentation provided to the commission. The temporarily located plant exempt from public notice may provide concrete for the same contractor for project segments with the same governmental entity, but may not produce concrete for other unrelated projects or other governmental entities.

(11) All open-bodied vehicles transporting material from a dry batch plant to the paving mixer(s) shall be loaded with a final layer of wet sand and/or the truck shall be covered with a tarp to reduce the emissions of dust to the minimum level possible under existing conditions.

(12) Before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7, including a current Table 20. The current Table 20 shall be on file at each plant site.

(13) The appropriate regional office and local air pollution agency shall be notified when the plant changes location and prior to starting operations at each plant site.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.203 Specialty Batch Plants

Any specialty wet batch, concrete, mortar, grout mixing, or pre-cast concrete products plant that operates according to the following conditions of this Section is exempt.

(1) Plant capacity shall not exceed 30 cubic yards per hour with mixer size not to exceed 2.5 cubic yards.

(2) All stockpiles are sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions.

(3) Dust emissions at the batch mixer feed shall be controlled by a water spray device which eliminates visible emissions, or a pickup device delivering air to a fabric filter with automatic air cleaning and a 7.0 feet per minute (ft/min) maximum filtering velocity, or automatic sequenced mechanical cleaning and a 5.25 ft/min maximum filtering velocity, or the entire mixing operation is conducted inside the enclosed process building such that no visible emissions from the building occur during mixing activities, or the batch mixer feed is enclosed such that no visible emissions occur.

(4) Fabric filter(s) with a maximum filtering velocity of 4.0 ft/min with an acceptable method of cleaning shall be installed on each storage silo or the silo shall be vented to the control collection system.

(5) A visible and/or audible warning mechanism shall be installed on each silo for warning operators that the silo is full, so that it will not be overloaded at any time.

(6) All permanent in-plant roads (batch truck and material delivery truck roads) are oiled or paved and cleaned as necessary to achieve maximum control of dust emissions. Other areas on the property subject to vehicle traffic shall be oiled or sprinkled with water as necessary to achieve maximum control of dust emissions.

(7) The transfer of cement from the storage silo(s) shall be handled through closed conveying systems with no visible fugitive emissions.

(8) The cement weigh hopper shall be vented to a control device which eliminates visible emissions, or shall be vented inside the batch mixer.

(9) Good housekeeping measures shall be maintained at all times.

(10) Before construction of the facility begins, written site approval is received from the executive director and the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7, including a current Table 20.

(11) Unless the plant is to be located temporarily in the right-of-way of a public works project, public notice and opportunity for public hearing, as specified in Section 106.5 of this title (relating to Public Notice), has been published and documentation thereof has been provided to the commission.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER I : MANUFACTURING
Section Section 106.221, 106.223 - 106.229, 106.231
Effective September 4, 2000

Section 106.221. Extrusion Presses.

Presses used exclusively for extruding metals, minerals, plastics, rubber, or wood are permitted by rule except where halogenated carbon compounds or hydrocarbon solvents are used as foaming agents. Presses used for extruding scrap materials or reclaiming scrap materials are not permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.223. Saw Mills.

Sawmills processing no more than 25 million board feet, green lumber tally of wood per year, in which no mechanical drying of lumber is performed and which meet all of the following provisions of this Section are permitted by rule.

(1) The mill shall be located at least 500 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.

(2) All in-plant roads and vehicle work areas shall be watered, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(3) All sawmill residues (sawdust, shavings, chips, bark) from debarking, planing, saw areas, etc., shall be removed or contained to minimize fugitive particulate emissions. Spillage of wood residues shall be cleaned up as soon as possible and contained such that dust emissions from wind erosion and/or vehicle traffic are minimized.

(4) All sawmill residues shall be mechanically conveyed by belts and/or drag chains to a collection area for disposal or if a pneumatic collection system is utilized, the air must exhaust to a fabric or cartridge filter with air cleaning and a filtering velocity no greater than 7.0 ft/min (air-to-cloth ratio = 7.0), or automatic sequenced mechanical cleaning and a filtering velocity no greater than 5.0 ft/min (airto-cloth ratio = 5.0), or a system found to be equivalent by the appropriate regional office.

(5) Disposal of collected sawmill residues must be accomplished in a manner which will prevent the material from becoming airborne. Disposal by means of burning is prohibited unless it is conducted in an approved incinerator.

(6) All open-bodied vehicles transporting sawmill residues (sawdust, shavings, chips, bark) shall be covered with a tarp to achieve maximum control of particulate emissions.

(7) There will be no visible emissions at the property line from the facility or equipment.

(8) Before construction of the facility begins, written site approval must be received from the director of the commission's Office of Permitting, Remediation, and Registration in Austin and the facility shall be registered with that office using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.224. Aerospace Equipment and Parts Manufacturing.
Any new aerospace equipment and parts manufacturing plant, or physical and operational change to an existing aerospace equipment and parts manufacturing plant are permitted by rule, provided that the following conditions of this Section are satisfied.

(1) For purposes of this Section , aerospace equipment and parts manufacturing plant means the entire operation on the property which engages in the fabrication or assembly of parts, tools, or completed components of any aircraft, helicopter, dirigible, balloon, missile, drone, rocket, or space vehicle. This permit by rule will not include composite aerospace equipment and parts manufacturing plants. Composite plants are defined to be plants whose products are less than 50% metal, by weight, based on annual production figures. This definition excludes those operations specifically authorized by other permits by rule. For example, a boiler would not be considered a part of the aerospace manufacturing plant, but could be authorized under Section 106.181 of this title (relating to Small Boilers, Heaters, and Other Combustion Devices), if all pertinent requirements were met.

(2) Emission points associated with the aerospace equipment and parts manufacturing plant or changes to that plant shall be located at least 100 feet from any off-plant receptor. Off-plant receptor means any recreational area or residence or other structure not occupied or used solely by the owner or operator of the aerospace equipment and parts manufacturing plant or the owner of the property upon which the aerospace plant is located. Controlled access recreational areas owned by the property owner or the owner or operator of the aerospace plant are not off-plant receptors.

(3) The total annual emissions, in tons per year, of the following air contaminants authorized under this Section , on a cumulative basis, from the entire aerospace manufacturing plant shall not exceed the values specified:

(A) inhalable particulate matter - five tons per year (tpy);

(B) volatile organic compounds (VOC) - 15 tpy;

(C) acid gases or vapors - five tpy;

(D) non-VOC carbon compound emissions - ten tpy;

(E) total of air contaminants in subparagraphs (A) - (D) of this paragraph - 25 tpy.

(4) Hourly emissions of total new or increased emissions, including fugitives, of particulate matter or chemicals listed or referenced in Table 262 of Section 106.262 of this title (relating to Facilities (Emission Distance Limitations)), shall not exceed the hourly emission rate, E, as determined using the equation, E = L/K lb/hr and Table 224A, where:

E = maximum allowable hourly emission, lb/hr,
L = limit value (see Table 262), milligrams per cubic meter,
K = value from Table 224A (interpolate intermediate values), and
D = distance to the nearest off-plant receptor from the closest affected emission point.

TABLE 224A

D,Feet	K
100	326
200	200
300	139
400	104
500	81
600	65
700	54
800	46
900	39
1,000	34
2,000	14
3,000 or more	8

(5) Before construction or change in operation begins, registration shall be submitted to the commission's Office of Permitting, Remediation, and Registration in Austin using a completed Form PI-7. The emission data provided in the PI-7 shall include all process emission sources at the plant, both existing and proposed, and shall be the maximum allowed emissions for permitted units, the actual emissions for existing grandfathered units or units permitted by rule, and the projected maximum allowable emissions for proposed units. Emissions shall be speciated by chemical compound and the stack parameters, as appropriate, for each emission source shall be provided. Registration shall include a description of the project, calculations, and data identifying specific chemical names, "L" values, "D" values, and a description of pollution control equipment, if any.

(6) An emissions inventory shall be compiled and/or updated on an annual basis for all process emission sources on the property, maintained on a two-year rolling retention cycle, and made available upon request by the executive director. The inventory records should include the basis for all emissions estimates, sample calculations, and material usage records. Material and solvent usage records shall be maintained in sufficient detail to document compliance with this Section .

(7) There shall be no visible emissions from each existing and proposed stack, hood, vent, or opening to the atmosphere.

(8) Any facility in which any chemical listed in subparagraph (D) of this paragraph will be handled or stored as a liquid or a compressed gas in a compound mixture of a concentration greater than 10% by weight or an aqueous solution of any chemical listed in subparagraph (D) of this paragraph greater than 50% by weight shall comply with subparagraphs (A) - (C) of this paragraph.

(A) The facility shall be located at least 300 feet from the nearest property line and 600 feet from any off-plant receptor.

(B) The cumulative amount of any one of the chemicals listed in subparagraph (D) of this paragraph, resulting from one or more authorizations under this Section , shall not exceed 500 pounds on the plant property.

(C) Any chemical listed in subparagraph (D) of this paragraph shall be handled only in containers operated in compliance with United States Department of Transportation regulations (49 Code of Federal Regulations, Parts 171-178).

(D) Listed chemicals are: acrolein, ammonia, bromine, carbon disulfide, chlorine, ethy mercaptan, hydrogen chloride, hydrogen bromide, hydrogen cyanide, hydrogen fluoride, hydrogen sulfide, phosphine, sulfur dioxide, methyl bromide, methyl isocyanate, methyl mercaptan, nickel carbonyl, phosgene.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.225. Semiconductor Manufacturing.

Modifications, additions, or relocations of equipment (excluding add-on controls) used for semiconductor manufacturing operations that result in the addition, increase, or substitution of an air contaminant are permitted by rule provided the following conditions of this Section are satisfied.

(1) The following is a list of definitions for this Section .

(A) **Permitted air contaminants** - The individual chemical compounds represented in the latest permit or permit amendment application approved by the executive director.

(B) **Ground Level Contaminant (GLC1)(max) new** - The maximum hourly offproperty GLC resulting from the new emission rate of air contaminant 1.

(C) **GLC1(receptor) new** - The maximum hourly off-property GLC at the sensitive receptor with the highest possible impacts resulting from the new emission rate of air contaminant 1.

(D) **GLC2(max)** - The maximum hourly off-property GLC resulting from the emission rate of air contaminant 2.

(E) **GLC2(receptor)** - The maximum hourly off-property GLC at the sensitive receptor with the highest possible impacts resulting from the emission rate of air contaminant 2.

(F) **ESL1** - The 30-minute Effects Screening Level (ESL) published in the commission's ESL list dated April 10, 1995, for air contaminant 1.

(G) **ESL2** - The 30-minute ESL published in the commission's ESL list dated April 10, 1995, for air contaminant 2.

(2) New emissions or an emission increase of any air contaminant less than 0.04 pounds per hour (sitewide) are exempt from all conditions of this Section except paragraphs (3), (11), and (l2) of this Section .

(3) A permit has been issued by the commission for at least one emission source owned by the person using this Section on the same property for which this Section is being claimed.

(4) The facility's baseline GLCs of the permitted air contaminants have been determined using air dispersion modeling or other methods.

(5) New emission points are not authorized by this Section .

(6) There will be no change in method of control for any air contaminants as represented in the latest permit or permit amendment application approved by the executive director.

(7) Increases of a permitted air contaminant shall meet all of the following criteria:

(A) GLC1(max)new # 2ESL1;

(B) GLC1(receptor)new # ESL1.

(8) Additions of a non-permitted air contaminant, substitutions of a non-permitted air contaminant for a permitted air contaminant, and substitutions of one permitted air contaminant for another permitted air contaminant shall meet all of the following criteria:

(A) GLC2(max)new # 2ESL2;

(B) GLC2(receptor)new # ESL2.

(9) If the commission ESL list dated April 10, 1995, does not include the air contaminant to be added or substituted, the permittee must use an ESL derived by the commission's Toxicology and Risk Assessment Division. The ESL shall be obtained in writing prior to the use of the new substance.

(10) The cumulative net annual emission increases of the following categories of air contaminants from multiple uses of this Section shall not exceed the following values:

(A) particulate matter - five tons per year (tpy);

(B) volatile organic compounds (VOCs) - 15 tpy;

(C) non-VOCs - five tpy;

(D) acids/bases - ten tpy;

(E) any other air contaminant - five tpy;

(F) total of all emission increases - 25 tpy.

(11) The applicable ground-level concentration limits in Chapters 111, 112, and 113 of this title (relating to Control of Air Pollution from Visible Emissions and Particulate Matter; Sulfur Compounds; and Toxic Materials) shall not be exceeded.

(12) Within 30 days of use of this Section , the permittee shall maintain documentation that demonstrates all applicable conditions of this Section were satisfied. The documentation shall be made available to the commission upon request.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.226. Paints, Varnishes, Ink, and Other Coating Manufacturing.

Coating manufacturing operations including raw material storage, weighing, mixing, milling, grinding, thinning, and packaging are permitted by rule, provided the conditions of this Section are met.
Coating manufacturing is defined as combining ingredients that are manufactured off-site to make paints, varnishes, sealants, stains, adhesives, inks, pigments, maskants, and paint strippers, etc.
Resin manufacturing is not permitted by rule under this Section .

(1) Materials usage shall not exceed the following rates:

(A) 345,000 gallons per year of solvent for all operations at a coating manufacturing site; and

(B) 200,000 pounds of dry powder per year for all operations at a coating manufacturing site.

(2) Operations involving powders which contain more than 0.1% by weight of chromium, cadmium, asbestos, lead, arsenic, cobalt, or strontium are not authorized by this Section .

(3) The following conditions must be met to prevent and control emissions.

(A) There shall be no visible emissions from any emission point.

(B) Bags or sacks of dry powders shall be opened within an enclosed bag slitter or within an enclosed area.

(C) Material transfer, storage operations, or other similar operations shall be conducted in enclosed or covered containers which are opened only as necessary for transfer of ingredients.

(D) Mixing, milling, packaging, and filling operations shall be conducted under a hood or within an enclosure designed to capture emissions, which shall then be vented externally or through a carbon adsorption system.

(E) Operations which involve dry powders or pigments shall be vented through a filter.

(F) Any spills of dry powders or solvents shall be cleaned up promptly in a manner designed to control emissions.

(G) Waste materials shall be stored in covered containers and disposed of properly.

(4) Emissions from any operation which are vented externally shall be exhausted using forced air through a stack with an unobstructed vertical discharge. The stack must be, at a minimum, four feet above the peak of the roofline.

(5) The owner or operator of the facility shall keep records of all liquid and solid material usage rates on a monthly basis to demonstrate compliance with paragraph (1) of this Section . The usage data shall be maintained for the most recent 24-month period.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.227. Soldering, Brazing, Welding.

Brazing, soldering, or welding equipment, except those which emit 0.6 ton per year or more of lead, are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.228. Platen Presses for Laminating.

Platen presses used for laminating are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.229. Textile Dyeing and Stripping Equipment.

Equipment used exclusively for the dyeing or stripping of textiles is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.231. Manufacturing, Refinishing, and Restoring Wood Products.

Facilities, including drying or curing ovens, and hand-held or manually operated equipment, used for manufacturing, refinishing, and/or restoring wood products that meet the following requirements are permitted by rule.

(1) If a pneumatic sawdust collection system is used, it must be followed by a filter with no visible emissions.

(2) Waste materials shall be stored and disposed of properly. There shall be no visible emissions leaving the property.

(3) If the total coatings, solvents, and stripping agents used exceeds six gallons per day (gpd) or one gpd of methylene chloride, the following requirements must be met:

(A) the application area must be exhausted using forced air through a stack with an unobstructed vertical discharge above the peak of the roof line; and

(B) in addition to the requirements of subparagraph (A) of this paragraph, if application is made by spraying, the application area must also be vented through a filter system with a minimum particulate removal efficiency of 95%.

(4) Purchase receipts for total coatings, solvents, and stripping agents for the most recent 24 months must be kept on site and be made immediately available upon request of personnel from the agency or any other air pollution control agency having jurisdiction. If the total materials purchased exceeds 550 gallons in any one month, records of the amount of materials used per month must be kept on-site to demonstrate that total emissions do not exceed 25 tons per year in any consecutive 12 months.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER J : FOOD PREPARATION AND PROCESSING
Section Section 106.241 - 106.245
Effective September 4, 2000

Section 106.241. Slaughterhouses.

Any facility where animals or poultry are slaughtered and prepared for human consumption provided that waste products such as blood, offal, and feathers are stored in such a manner as to prevent the creation of a nuisance condition and these waste products are removed from the premises daily or stored under refrigeration until removed are permitted by rule. In addition, areas used to hold animals or poultry for slaughter shall be kept dry and clean to control odors.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.242. Food Preparation.

Equipment used in eating establishments for the purpose of preparing food for human consumption is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.243. Smokehouses.

Smokehouses in which the maximum horizontal inside cross-Section al area does not exceed 100 square feet are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.244. Ovens, Barbecue Pits, and Cookers.

Ovens, mixers, blenders, barbecue pits, and cookers if the products are edible and intended for human consumption are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.245. Ethyl Alcohol Facilities.

Ethyl alcohol (ethanol) production facilities having a capacity of less than 200 gallons of ethanol per day when natural gas, liquid petroleum gas, or Number 2 fuel oil is used to supply heat for cooking and distillation are permitted by rule. Drying of spent (distillers) grain and water stillage is not authorized under this Section .
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER K: GENERAL
Section Section 106.261 - 106.266
Effective November 1, 2001

Section 106.261. Facilities (Emission Limitations).

Facilities, or physical or operational changes to a facility, are permitted by rule provided that all of the following conditions of this Section are satisfied.

(1) This Section shall not be used to authorize construction of or any change to a facility authorized in another Section of this chapter (see Section 106.262(1) of this title (relating to Facilities (Emission and Distance Limitations)).

(2) The facilities or changes shall be located at least 100 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located.

(3) Total new or increased emissions, including fugitives, shall not exceed 6.0 pounds per hour (lb/hr) and ten tons per year of the following materials: acetylene, argon, butane, crude oil, refinery petroleum fractions (except for pyrolysis naphthas and pyrolysis gasoline) containing less than ten volume percent benzene, carbon monoxide, cyclohexane, cyclohexene, cyclopentane, ethyl acetate, ethanol, ethyl ether, ethylene, fluorocarbons Numbers 11, 12, 13, 14, 21, 22, 23, 113, 114, 115, and 116, helium, isohexane, isopropyl alcohol, methyl acetylene, methyl chloroform, methyl cyclohexane, neon, nonane, oxides of nitrogen, propane, propyl alcohol,

propylene, propyl ether, sulfur dioxide, alumina, calcium carbonate, calcium silicate, cellulose fiber, cement dust, emery dust, glycerin mist, gypsum, iron oxide dust, kaolin, limestone, magnesite, marble, pentaerythritol, plaster of paris, silicon, silicon carbide, starch, sucrose, zinc stearate, or zinc oxide.

(4) Total new or increased emissions, including fugitives, shall not exceed 1.0 lb/hr of any chemical having a limit value (L) greater than 200 milligrams per cubic meter (mg/m3) as listed and referenced in Table 262 of Section 106.262 of this title or of any other chemical
not listed or referenced in Table 262. Emissions of a chemical with a limit value of less than 200 mg/m3 are not allowed under this Section .

(5) For physical changes or modifications to existing facilities, there shall be no changes to or additions of any air pollution abatement equipment.

(6) Visible emissions, except uncombined water, to the atmosphere from any point or fugitive source shall not exceed 5.0% opacity in any five-minute period.

(7) For emission increases of five tons per year or greater, notification must be provided using Form PI-7-261 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.

(8) For emission increases of less than five tons per year, notification must be provided using either:

(A) Form PI-7-261 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any; or

(B) Form PI-7-261(a) by March 31 of the following year summarizing all uses of this permit by rule in the previous calendar year. This annual notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.262. Facilities (Emission and Distance Limitations).

Facilities, or physical or operational changes to a facility, are exempt provided that all of the following conditions of this Section are satisfied.

(1) This Section shall not be used to authorize construction or any change to a facility specifically authorized in another Section of this chapter, but not meeting the requirements of that Section . However, once the requirements of a Section of this chapter are met, paragraphs (3) and (4) of this Section may be used to qualify the use of other chemicals at the facility.

(2) Emission points associated with the facilities or changes shall be located at least 100 feet from any off-plant receptor. Off-plant receptor means any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located.

(3) New or increased emissions, including fugitives, of chemicals shall not be emitted in a quantity greater than five tons per year nor in a quantity greater than E as determined using the equation E = L/K and the following table. Figure: 30 TAC **Section 106.262(3)**

D,Feet	**K**	
100	326	
200	200	E = maximum allowable hourly emission, and never to exceed 6 pounds per hour.
300	139	
400	104	
500	81	
600	65	L = value as listed or referenced in Table 262
700	54	
800	46	
900	39	K = value from the table on this page.

		(interpolate intermediate values)
1,000	34	
2,000	14	
3,000 or more	8	D = distance to the nearest off-plant receptor.

TABLE 262
LIMIT VALUES (L) FOR USE WITH EXEMPTIONS FROM PERMITTING Section 106.262

The values are not to be interpreted as acceptable health effects values relative to the issuance of any permits under Chapter 116 of this title (relating to Control of Air Pollution by Permits for New Construction or Modification).

COMPOUND	**LIMIT (L) MILLIGRAMS PER CUBIC METER**
Acetone	590.
Acetaldehyde	9.
Acetone Cyanohydrin	4.
Acetonitrile	34.
Acetylene	2662.
N-Amyl Acetate	2.7
Sec-Amyl Acetate	1.1
Benzene	3.
Beryllium and Compounds	0.0005
Boron Trifluoride, as HF	0.5
Butyl Alcohol, –	76.
Butyl Acrylate	19.
Butyl Chromate	0.01
Butyl Glycidyl Ether	30.
Butyl Mercaptan	0.3
Butyraldehyde	1.4
Butyric Acid	1.8
Butyronitrile	22.
Carbon Tetrachloride	12.
Chloroform	10.
Chlorophenol	0.2
Chloroprene	3.6
Chromic Acid	0.01
Chromium Metal, Chromium II and III Compounds	0.1
Chromium VI Compounds	0.01

COMPOUND	LIMIT (L) MILLIGRAMS PER CUBIC METER
Coal Tar Pitch Volatiles	0.1
Creosote	0.1
Cresol	0.5
Cumene	50.
Dicyclopentadiene	3.1
Diethylaminoethanol	5.5
Diisobutyl Ketone	63.9
Dimethyl Aniline	6.4
Dioxane	3.6
Dipropylamine	8.4
Ethyl Acrylate	0.5
Ethylene Dibromide	0.38
Ethylene Glycol	26.
Ethylene Glycol Dinitrate	0.1
Ethylidene-2-norbornene, 5-	7.
Ethyl Mercaptan	0.08
Ethyl Sulfide	1.6
Glycolonitrile	5.
Halothane	16
Heptane	350.
Hexanediamine,1,6-	0.32
Hydrogen Chloride	1.
Hydrogen Fluoride	0.5
Hydrogen Sulfide	1.1
Isoamyl Acetate	133.
Isoamyl Alcohol	15.
Isobutyronitrile	22.
Kepone	0.001
Kerosene	100.
Malononitrile	8.
Mesityl Oxide	40.
Methyl Acrylate	5.8
Methyl Amyl Ketone	9.4
Methyl-t-butyl ether	45.

COMPOUND	LIMIT (L) MILLIGRAMS PER CUBIC METER
Methyl Butyl Ketone	4.
Methyl Disulfide	2.2
Methylenebis (2-chloroaniline) (MOCA)	0.003
Methylene Chloride	26.
Methyl Isoamyl Ketone	5.6
Methyl Mercaptan	0.2
Methyl Methacrylate	34.
Methyl Propyl Ketone	530.
Methyl Sulfide	0.3
Mineral Spirits	350.
Naphtha	350.
Nickel, Inorganic Compounds	0.015
Nitroglycerine	0.1
Nitropropane	5.
Octane	350.
Parathion	0.05
Pentane	350.
Perchloroethylene	33.5
Petroleum Ether	350
Phenyl Mercaptan	0.4
Propionitrile	14.0
Propyl Acetate	62.6
Propylene Oxide	20.
Propyl Mercaptan	0.23
Silica-amorphous- precipitated, silica gel	4.
Silicon Carbide	4.
Stoddard Solvent	350.
Styrene	21.
Succinonitrile	20.
Tolidine	0.02
Trichloroethylene	135.
Trimethylamine	0.1
Valeric Acid	0.34
Vinyl Acetate	15.

COMPOUND	LIMIT (L) MILLIGRAMS PER CUBIC METER
Vinyl Chloride	2.

NOTE: The time weighted average (TWA) Threshold Limit Value (TLV) published by the American Conference of Governmental Industrial Hygienists (ACGIH), in its TLVs and BEIs guide (1997 Edition) shall be used for compounds not included in the table. The Short Term Exposure Level (STEL) or Ceiling Limit (annotated with a "C") published by the ACGIH shall be used for compounds that do not have a published TWA TLV. This Section cannot be used if the compound is not listed in the table or does not have a published TWA TLV, STEL, or Ceiling Limit in the ACGIH TLVs and BEIs guide.

(4) Notification must be provided using Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, and data identifying specific chemical names, L values, D values, and a description of pollution control equipment, if any.

(5) The facilities in which the following chemicals will be handled shall be located at least 300 feet from the nearest property line and 600 feet from any off-plant receptor and the cumulative amount of any of the following chemicals resulting from one or more authorizations under this Section (but not including permit authorizations) shall not exceed 500 pounds on the plant property and all listed chemicals shall be handled only in unheated containers operated in compliance with the United States Department of Transportation regulations (49 Code of Federal Regulations, Parts 171- 178): acrolein, allyl chloride, ammonia (anhydrous), arsine, boron trifluoride, bromine, carbon disulfide, chlorine, chlorine dioxide, chlorine trifluoride, chloroacetaldehyde, chloropicrin, chloroprene, diazomethane, diborane, diglycidyl ether, dimethylhydrazine, ethyleneimine, ethyl mercaptan, fluorine, formaldehyde (anhydrous), hydrogen bromide, hydrogen chloride, hydrogen cyanide, hydrogen fluoride, hydrogen selenide, hydrogen sulfide, ketene, methylamine, methyl bromide, methyl hydrazine, methyl isocyanate, methyl mercaptan, nickel carbonyl, nitric acid, nitric oxide, nitrogen dioxide, oxygen difluoride, ozone, pentaborane, perchloromethyl mercaptan, perchloryl fluoride, phosgene, phosphine, phosphorus trichloride, selenium hexafluoride, stibine, liquified sulfur dioxide, sulfur pentafluoride, and tellurium hexafluoride. Containers of these chemicals may not be vented or opened directly to the atmosphere at any time.

(6) For physical changes or modifications to existing facilities, there shall be no ch anges or additions of air pollution abatement equipment.

(7) Visible emissions, except uncombined water, to the atmosphere from any point or fugitive source shall not exceed 5.0% opacity in any five-minute period.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.263. Repairs and Maintenance.

Repairs or maintenance not involving structural changes where no new or permanent facilities are installed are exempt.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.264. Replacements of Facilities.

A facility which replaces an existing facility is permitted by rule provided that the following conditions of this Section are satisfied:

(1) the replacement facility functions in the same or similar manner as the facility to be replaced;

(2) the emissions from the replacement facility are not more than nor have different characteristics than those from the facility to be replaced;

(3) the emissions from the replacement facility will not exceed 25 tons per year of any air contaminant;

(4) the physical location of the replacement facility is the same or immediately adjacent to the facility being replaced;

(5) there will be no increase in capacity, production rate, or throughput as a result of the replacement;

(6) notwithstanding the provisions of paragraph (3) of this Section , the emissions from the replacement facility will not contain any compounds (other than carbon monoxide, nitrogen oxide, or sulfur dioxide) listed or proposed to be listed as hazardous constituents in 40 Code of Federal Regulations 261, Appendix VIII;

(7) notification of the replacement is provided to the executive director within ten days following installation of the replacement facility.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.265. Hand-held and Manually Operated Machines.

Hand-held or manually operated equipment used for buffing, polishing, carving, cutting, drilling, machining, routing, sanding, sawing, surface grinding, or turning of ceramic art work, ceramic precision parts, leather, metals, plastics, fiber board, masonry, carbon, glass, graphite, or wood is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.266. Vacuum Cleaning Systems.

Vacuum cleaning systems used exclusively for industrial, commercial, or residential housekeeping purposes are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER L : FEED, FIBER, AND FERTILIZER
Effective September 4, 2000

DIVISION 1 : FEED
Section Section 106.281 - 106.283

Section 106.281. Feed Milling.

Modifications to feed milling operations which satisfy the following conditions of this Section are permitted by rule.

(1) In conjunction with the installation of additional grain or feed storage silos, including bins used for loading out finished feed, all materials shall be transported in a closed conveying system when handled mechanically or pneumatically. Exhaust air to the atmosphere shall be vented through a fabric filter having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with automatic air cleaning.

(2) In conjunction with the installation of a pellet mill/pellet cooler system, the air from the pellet cooler shall be vented through a high efficiency cyclone collector which has a cone length at least twice the diameter of the cyclone.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.282. Feed Grinding Facilities.

Any feed grinding operation which is used only for noncommercial purposes is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.283. Grain Handling, Storage, and Drying.

Any grain handling, storage, and drying facility which meets paragraphs (1) - (3) of this Section is permitted by rule.

(1) The facility is in noncommercial use only - that is, used only to handle, dry, and/or store grain produced by the owner(s) of the facility if the following conditions are satisfied:

(A) the total storage capacity does not exceed 750,000 bushels;

(B) the grain handling capacity does not exceed 4,000 bushels per hour;

(C) the facility is located at least 500 feet from any recreational area or residence or business not occupied or used solely by the owner of the facility.

(2) The facility is in commercial use and the following conditions are satisfied:

(A) the total storage capacity of the new and any existing facility or facilities does not exceed 1.5 million bushels;

(B) the facility shall be located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located;

(C) before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission using Form PI-7.

(3) The installation of additional grain storage capacity which satisfies the following conditions:

(A) there shall be no increase in hourly grain handling capacity;

(B) existing grain receiving and loadout facilities are utilized;

(C) grain shall be conveyed by closed conveying systems and air suction shall not be pulled on any conveying unit;

(D) written site approval shall be received from the executive director before construction begins for facilities utilizing existing grain receiving facilities when new gravity or auger loadout systems are to be installed.
Adopted August 9, 2000 Effective September 4, 2000

DIVISION 2 : FIBER
Section 106.291

Section 106.291. Cotton Gin Stands.

Replacement or addition of cotton gin stands where no other equipment change or additions are involved are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

DIVISION 3 : FERTILIZER
Section 106.301, Section 106.302

Section 106.301. Aqueous Fertilizer Storage.

All aqueous fertilizer storage tanks are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.302. Portable Pipe Reactor.

Portable pipe reactor facilities used to process liquid fertilizer that operate according to the following conditions of this Section are permitted by rule.

(1) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.

(2) All valves, piping, flanges, hoses, and disconnects must be free of leaks.

(3) Opacity from any process vent shall not exceed 20% except for those periods of start-up described in Section 111.111(a)(1)(E) of this title (relating to Requirement for Specified Sources).

(4) Emissions from the facility shall not cause or contribute to a condition of air pollution as defined in Texas Health and Safety Code, Section 382.003(3).

(5) The operating schedule must not exceed 72 hours within a four-month period.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER M : METALLURGY
Section Section 106.311 - 116.322
Effective September 4, 2000

Section 106.311. Crucible or Pot Furnace.

Crucible or pot furnaces with a brim full capacity of less than 450 cubic inches of any molten metal are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.312. Wax Melting and Application.

Equipment used exclusively for the melting or application of wax is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.313. Tumblers for Cleaning or Deburring Metal.

All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 pounds or less are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.314. Shell Core and Mold Machines.

Shell core and shell mold manufacturing machines are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.315. Sand or Investment Molds.

Sand or investment molds with a capacity of 100 pounds or less used for the casting of metals are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.316. Metal Inspection.

Equipment used for inspection of metal products is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.317. Miscellaneous Metal Equipment.

Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.318. Die Casting Machines.

Die casting machines are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.319. Foundry Sand Mold Forming Equipment.

Foundry sand mold forming equipment to which no heat is applied is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.320. Miscellaneous Metallic Treatment.

Electrically heated or sweet natural gas or liquid petroleum gas fueled equipment used exclusively for heat treating, soaking, case hardening, or surface conditioning of metal objects, such as carbonizing, cyaniding, nitriding, carbon nitriding, siliconizing, or diffusion treating is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.321. Metal Melting and Holding Furnaces.

Metal melting and holding furnaces as specified in this Section are permitted by rule.

(1) crucible furnaces, pot furnaces, or induction furnaces with a holding capacity of 1,000 pounds or less, with the following limitations:

(A) no smelting, reduction, sweating, metal separation, or distilling is conducted;

(B) in ferrous melting furnaces where gray iron or steel is melted:

(i) ductile iron is produced only when emissions are captured by a vent hood and filtered or within a crucible with a lid which allows no visible emissions; and

(ii) the furnace charge is free of oil, grease, and paint;

(C) in nonferrous melting furnaces, only the following metals are melted, poured, or held in a molten state:

(i) aluminum or any alloy containing over 50% aluminum;

(ii) magnesium or any alloy containing over 50% magnesium;

(iii) tin or any alloy containing over 50% tin;

(iv) zinc or any alloy containing over 50% zinc;

(v) copper, brass, or bronze; or

(vi) precious metals;

(D) no lead, leaded brass, leaded bronze, or manganese bronze is melted, poured, or held in a molten state;

(2) aluminum melting or holding furnaces with a holding capacity of 2,000 pounds or less that melt only clean aluminum ingots or pigs and in which no refining, smelting, metal separation, sweating, distilling, or fluxing with chlorine bearing gases is performed.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.322. Furnaces to Reclaim Aluminum or Copper.

Dry hearth reverberatory type holding chamber aluminum or copper metal reclamation/sweat furnaces in which no fluxing, degassing, or refining is conducted, which operate according to the following conditions and limitations of this Section are permitted by rule.

(1) Scrap metal charges shall consist primarily of copper or aluminum metal. Operation of the furnace for reclamation or lead, tin, zinc, or magnesium metals is prohibited.

(2) The maximum furnace charging rate shall be 2,000 pounds per hour or less.

(3) The furnace charge door shall remain closed except during charging and furnace cleaning operations.

(4) The furnace shall be equipped with an afterburner which will provide a minimum retention time of 0.1 second at a minimum temperature of 1,300 degrees Fahrenheit for all furnace exhaust gases.

(5) The incineration of any insulated wire or cable containing chlorine compounds in the insulation, such as polyvinyl chloride insulation, is expressly prohibited.

(6) The owner or operator of the furnace shall initiate and maintain a program of furnace operator training in the recognition of chlorine-bearing wire or cable insulation and shall demonstrate, upon request by the executive director, acceptable proficiency in the recognition of chlorine-bearing wire or cable insulation such as polyvinyl chloride insulation.

(7) Fuel for the furnace shall be sweet natural gas as defined in Chapter 101 of this title (relating to General Air Quality Rules) or liquid petroleum gas, diesel, or Number 2 fuel oil.

(8) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER N : MIXERS, BLENDERS, AND PACKAGING
Section Section 106.331 - 106.333
Effective September 4, 2000

Section 106.331. Cosmetics Packaging and Pharmaceutical Packaging and Coating.

Equipment used exclusively to package pharmaceuticals and cosmetics or to coat pharmaceutical tablets is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.332. Chlorine Repackaging.

Facilities that repackage chlorine are permitted by rule, provided all the following conditions of this Section are satisfied:

(1) the repackaging shall be in United States Department of Transportation approved chlorine cylinders not exceeding one ton in capacity;

(2) there shall be no more than two tons of chlorine on the property at any time;

(3) all handling of chlorine shall be in accordance with applicable Chlorine Institute Guidelines;

(4) the facilities shall be located no closer than 300 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located;

(5) the repackaging system shall be operated under vacuum at all times and all venting of lines and cylinders shall be routed to a caustic scrubbing system that prevents release of chlorine to the atmosphere during all operating and maintenance activities. When the scrubbing system is not operating properly, no chlorine shall be repackaged;

(6) chlorine gas shall not be vented directly to the atmosphere under any circumstances.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.333. Water-based Adhesive Mixers.

Equipment used exclusively for the mixing and blending of materials at ambient temperature to make water-based adhesives is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER O: OIL AND GAS
Section Section 106.351 - 106.355
Effective June 13, 2001

Section 106.351. Salt Water Disposal (Petroleum).

Salt water disposal facilities used to handle aqueous liquid wastes from petroleum production operations and water injection facilities are permitted by rule, provided that the following conditions of this Section are met.

(1) Any facility processing salt water which emits a sour gas shall be located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located.

(2) Any open storage of salt water shall be operated in such a manner as to prevent the occurrence of a nuisance condition off-property.

(3) All plant roads and truck loading and unloading areas must be operated and/or maintained as necessary to prevent dust emissions from the property which would cause or contribute to a nuisance condition. Appropriate operating activities may include reduction of speed of vehicles, use of alternate routes, and covering of dust-producing loads being hauled. Appropriate maintenance activities may include watering, treatment with dust suppressant chemicals, oiling, paving, and cleaning dust-producing surfaces.

(4) Before construction of the facility begins under this Section , registration of the permit by rule shall be submitted to the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7, unless one of the following exceptions applies:

(A) all delivery of salt water to the site takes place through enclosed hoses or lines, and all storage and handling of salt water takes place in enclosed conduits, vessels, and storage, so that the salt water is not exposed to the atmosphere; or

(B) delivery of salt water from outside a site to all facilities at a site in any calendar day does not exceed 540,000 gallons.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.352. Oil and Gas Production Facilities.

Any oil or gas production facility, carbon dioxide separation facility, or oil or gas pipeline facility consisting of one or more tanks, separators, dehydration units, free water knockouts, gunbarrels, heater treaters, natural gas liquids recovery units, or gas sweetening and other gas conditioning facilities, including sulfur recovery units at facilities conditioning produced gas containing less than two long tons per day of sulfur compounds as sulfur are permitted by rule, provided that the following conditions of this Section are met. This Section applies only to those facilities named which handle gases and liquids associated with the production, conditioning, processing, and pipeline transfer of fluids found in geologic formations beneath the earth's surface.

(1) Compressors and flares shall meet the requirements of Section 106.512 and Section 106.492 of this title (relating to Stationary Engines and Turbines, and Flares).

(2) Total emissions, including process fugitives, combustion unit stacks, separator, or other process vents, tank vents, and loading emissions from all such facilities constructed at a site under this Section shall not exceed 25 tons per year (tpy) each of sulfur dioxide (SO_2), all other sulfur compounds combined, or all volatile organic compounds (VOC) combined; and 250 tpy each of nitrogen oxide and carbon monoxide. Emissions of VOC and sulfur compounds other than SO_2 must include gas lost by equilibrium flash as well as gas lost by conventional evaporation.

(3) Any facility handling sour gas shall be located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located.

(4) Total emissions of sulfur compounds, excluding sulfur oxides, from all vents shall not exceed 4.0 pounds per hour (lb/hr) and the height of each vent emitting sulfur compounds shall meet the following requirements, except in no case shall the height be less than 20 feet:

Total as Hydrogen Sulfide, lb/hr	**Minimum vent height, feet**
0.27	20
0.60	30
1.94	50
3.00	60
4.00	68

NOTE: Other values may be interpolated.

(5) Before operation begins, facilities handling sour gas shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7 along with supporting documentation that all requirements of this Section will be met. For facilities constructed under Section 106.353 of this title (relating to Temporary Oil and Gas Facilities), the registration is required before operation under this Section can begin. If the facilities cannot meet this Section , a permit under Chapter 116 of this title (relating to Control of Air Pollution by Permits for New Construction or Modification) is required prior to continuing operation of the facilities.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.353. Temporary Oil and Gas Facilities.

Temporary separators, tanks, meters, and fluid-handling equipment used for a period not to exceed 90 operating days are permitted by rule, provided that all the following conditions of this Section are satisfied.

(1) The purpose of the 90-day period is to test the content of a subsurface stratum believed to contain oil or gas and/or to establish the proper design of a permanent fluid-handling facility.

(2) Any sour gas produced during this test period shall be burned in a smokeless flare which meets the requirements of conditions of Section 106.492(1)(C) and (2)(A) and (C) of this title (relating to Flares).

(3) Total emissions of reduced sulfur compounds, excluding sulfur oxides, but including hydrogen sulfide, shall not exceed 4.0 pounds per hour and the emission point height of any vent of reduced sulfur compounds shall meet the requirements of Section 106.352(4) of this title (relating to Oil and Gas Production Facilities).

(4) Operation of a facility authorized by this Section beyond the 90-day period shall not be allowed unless such operation is authorized under exemption from permitting or is permitted under Chapter 116 of this title (relating to Control of Air Pollution by Permits for New Construction or Modification).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.354. Iron Sponge Gas Treating Unit.

Iron sponge gas treating units processing streams containing less than 60 pounds per hour of hydrogen sulfide are permitted by rule provided that the following conditions of this Section are satisfied:

(1) the plant is located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located;

(2) during replacement of the iron oxide impregnated chips, the unit is:

(A) isolated from the main system and the pressure is reduced to 0.5 psia or less through a gas-fired flare; or

(B) sulfur compound emissions to the atmosphere do not exceed one ton per replacement;

(3) the spent iron oxide chips being replaced are properly handled to avoid spontaneous ignition and avoid an odor nuisance.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.355. Metering, Purging, and Maintenance of Pipelines.

Metering, purging, and maintenance operations for gaseous and liquid petroleum pipelines (including ethylene, propylene, butylene, and butadiene pipelines) are exempt provided that operations are conducted according to the following conditions of this Section :

(1) emissions of volatile organic compounds, except fugitive emissions, are burned in a smokeless flare; or

(2) total emissions of any air contaminant will not exceed one ton during any metering, purging, or maintenance operation;

(3) venting of sweet, commercial grade natural gas from pipelines is exempt from paragraphs (1) and (2) of this Section . Care must be taken not to vent the gas in an area where an ignition source may exist or where accidental ignition of the venting gas may increase risk of fire at nearby tanks or other facilities.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER P : PLANT OPERATIONS
Section Section 106.371 - 106.376
Effective September 4, 2000

Section 106.371. Cooling Water Units.

Water cooling towers, water treating systems for process cooling water or boiler feedwater, and water tanks, reservoirs, or other water containers designed to cool, store, or otherwise handle water (including rainwater) that have not been used in direct contact with gaseous or liquid process streams containing carbon compounds, sulfur compounds, halogens or halogen compounds, cyanide compounds, inorganic acids, or acid gases are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.372. Industrial Gases.

Any air separation, or other industrial gas production, storage, or packaging facility is permitted by rule. Industrial gases, for purposes of this Section , include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.373. Refrigeration Systems.

Refrigeration systems, including storage tanks used in refrigeration systems, that use one of the following categories of refrigerant are permitted by rule:

(1) simple asphyxiants limited to argon, carbon dioxide, ethane, helium, hydrogen, methane, neon, nitrogen, propane, propylene, or liquefied natural gas; or

(2) any other chemical, excluding anhydrous ammonia, with a short-term effects screening level (ESL) published in the commission’s ESL list greater than 150Fg/m3;

(3) anhydrous ammonia (ammonia) provided:

(A) the facility is registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7; and

(B) the system is maintained in good working order and such that ammonia leaks are not detectable beyond the operator's property line.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.374. Lime Slaking Facilities.

Any lime slaking facility used to mix quicklime with water is permitted by rule, provided the following conditions of this Section are met:

(1) the mixing vessel shall be horizontal;

(2) the mixing vessel shall use interior mechanical agitation parallel to the bottom and agitate the water over the full length of the vessel;

(3) quicklime shall be injected into the mixing vessel as follows:

(A) where injection is from a pneumatic transfer system, the quicklime shall be injected at a point at least 12 inches under the surface of the agitated water; or

(B) where injection is from a non-pneumatic conveying system unloading at the top of the vessel, emissions from any vent on the vessel shall be controlled by an appropriately sized wet scrubber;

(4) there shall be no visible emissions (other than uncombined water).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.375. Aqueous Solutions for Electrolytic and Electroless Processes.

Equipment using aqueous solutions is permitted by rule, providing the conditions of this Section are met.

(1) This Section authorizes the following operations:

(A) anodizing, chromate conversion coating processes, electroplating, electrodeposition, electroless plating, electrolytic polishing, and electrolytic stripping, as follows.

(i) For plating onto or stripping from any basis substrate, only brass, bronze, cadmium, copper, iron, lead, nickel, tin, zinc, and precious metals may be used.

(ii) Chromic acid shall not be used in any step of a process which involves electrical current, air agitation, or any other factor which causes the chromic acid to bubble or mist.

(B) cleaning, electroless stripping, etching, or other surface preparation and finishing, not including chemical milling or electrolytic metal recovery and reclaiming systems.

(2) Operating conditions.

(A) Hydrochloric acid tank operating conditions shall not exceed:

(i) a temperature of 100 degrees Fahrenheit and a hydrochloric acid concentration of 19.0% by solution weight; or

(ii) a partial pressure of 0.5 millimeters of mercury.

(B) Hydrochloric acid in any state, and any aqueous solution which bubbles or mists due to electrical current, air agitation, or any other factor shall be used in an enclosed building. If the doors and windows of the building are open for any reason other than temporarily for access, emissions shall either be:

(i) captured and exhausted using forced air through a stack with an unobstructed minimum vertical discharge of four feet above the peak of the roofline; or

(ii) controlled with a fume suppressant.

(3) If a facility cannot comply with the hydrochloric acid temperature and concentration limits in paragraph (2)(A)(i) of this Section , then to demonstrate compliance with paragraph (2)(A)(ii) of this Section , the maximum hydrochloric acid temperature and concentration for each tank shall be recorded daily. At least once per month, the recorded data shall be converted to partial pressure. All data shall be maintained for the most recent 24-month period.

Adopted August 9, 2000 Effective September 4, 2000

Section 106.376. Decorative Chrome Plating.

Decorative chromium electroplating operations that have a maximum combined rated capacity for all decorative chrome plating rectifiers of not more than 5,000 amperes and which use a fume suppressant or other equivalent control as sufficient to meet Section 113.190 of this title (relating to Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks (40 CFR 63, Subpart N)) are permitted by rule. This permit by rule may not be used at any site where other chrome plating or chromic acid anodizing operations are conducted.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER Q : PLASTICS AND RUBBER
Section 106.391 - 106.396
Effective September 4, 2000

Section 106.391. Rubber and Plastic Curing Presses.

Presses used for the curing of rubber products and plastic products are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.392. Thermoset Resin Facilities.

Facilities using thermoset resins (excluding resins that do not emit air contaminants) to manufacture or repair products are permitted by rule, provided that the following conditions of this Section are satisfied for paragraph (1) and either paragraph (2) or (3) of this Section .

(1) The following requirements shall apply to all thermoset resin facilities.

(A) Before construction begins, the facility must be registered with the commission using Form PI-7.

(B) Records of resin and acetone usage shall be kept on a monthly and calendar year-to-date basis to show compliance with this Section , and shall be maintained for the most recent 24 months.

(C) All resin spraying and cleaning operations shall be conducted between two hours before sunrise and two hours after sunset. The exhaust fan(s) must be operating during and for at least 30 minutes after any usage of resin and/or cleaning solvents.

(D) All solid trim grinding operations shall be vented through a dry filter system or a water wash system which has a particulate removal efficiency of at least 95%. Particulates trapped in the dry filter system or water wash sludge shall be handled and stored in a way to minimize the escape of fugitive dust emissions.

(E) No more than five tons of acetone shall be used per year (gross usage minus waste disposal).

(2) The following requirements shall apply to facilities that have spraying operations (the facilities may include non-spraying operations).

(A) No more than 75 tons of resin and gelcoat combined shall be used per year (gross usage minus waste disposal).

(B) All resin spraying operations shall be conducted in a booth or an enclosed work area and the emissions shall be exhausted through elevated stack(s). All stacks shall discharge vertically to the atmosphere with no restrictions or obstructions to flow. Each stack shall meet one of the following minimum requirements:

(i) a flow rate of 20,000 actual cubic feet per minute (acfm) and the greater of six feet above the peak of the manufacturing building or 25 feet above ground level; or

(ii) a flow rate of 15,000 acfm and the greater of six feet above the peak of the manufacturing building or 30 feet above ground level.

(C) No more than 1,000 pounds per year of resin shall be used outdoors.

(D) If annual resin usage is less than 1,000 pounds, a facility is exempt from all requirements of this Section except recordkeeping (paragraph (1)(B) of this Section).

(3) The following requirements shall apply only to non-spraying operations.

(A) No more than 150 tons of resin and gelcoat combined shall be used per year (gross usage minus waste disposal).

(B) All resin operations shall be conducted in a booth or an enclosed work area or the manufacturing building and the emissions shall be exhausted through elevated stack(s). All stacks shall discharge vertically to the atmosphere with no restrictions or obstructions to flow. Each stack shall meet one of the following minimum requirements:

(i) a flow rate of 20,000 acfm and the greater of six feet above the peak of the manufacturing building or 25 feet above ground level; or

(ii) a flow rate of 15,000 acfm and the greater of six feet above the peak of the manufacturing building or 30 feet above ground level.

(C) No more than 3,000 pounds per year of resin shall be used outdoors.

(D) If annual resin usage is less than 3,000 pounds, a facility is exempt from all requirements of this Section except recordkeeping (paragraph (1)(B) of this Section).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.393. Conveyance and Storage of Plastic and Rubber Material.

Equipment used exclusively for conveying and storing plastic and/or rubber solid materials is permitted by rule, provided that no visible emissions occur and all the conditions of this Section are met:

(1) equipment used for conveying of powders or resins to storage silos must be equipped with fabric filter(s) having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical shaking or 7.0 ft/min with air cleaning; and

(2) transfer of powders or resins is accomplished in an enclosed system.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.394. Plastic Compression and Injection Molding.

Equipment used for compression molding and injection molding of plastics is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.395. Equipment for Mixing Plastic and Rubber (No Solvent).

Mixers, blenders, roll mills, or calenders for rubber or plastics are permitted by rule, provided the following conditions of this Section are satisfied. Mixers, blenders, roll mills, or calenders handling or adding asbestos shall not be eligible to be permitted by rule under this Section .

(1) Organic solvents, diluents, or thinners shall not be used.

(2) Material in powder form shall not be added unless the mixer, blender, roll mill, or calender is vented to a fabric filter having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning, or 7.0 ft/min with automatic air cleaning.

(3) There shall be no visible emissions.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.396. Equipment for Mixing Plastic and Rubber (With Solvent).

Roll mills or calenders for rubber or plastics in which organic solvents, diluents, or thinners are used are permitted by rule, provided that before construction begins, the facility is registered with Form PI-7 and information regarding process rate and type of material emitted is submitted.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER R : SERVICE INDUSTRIES
Section Section 106.411 - 116.419
Effective September 4, 2000

Section 106.411. Steam or Dry Cleaning Equipment.

Equipment used exclusively for steam or dry cleaning of fabrics, plastics, rubber, wood, or vehicle engines or drive trains is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.412. Fuel Dispensing.

Equipment used exclusively to store and dispense motor fuels into heavy and light-duty motor vehicles and marine vessels or other watercraft, aircraft, and railroad locomotive engines is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.413. Bond Lining to Brake Shoes.

Equipment used exclusively for bonding lining to brake shoes is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.414. Packaging Lubes and Greases.

Equipment used exclusively for the packaging of lubricants or greases is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.415. Laundry Dryers.

Laundry dryers, extractors, or tumblers used for fabrics cleaned with water solutions of bleach or detergents are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.416. Uranium Recovery Facilities.

A uranium in-situ solution recovery facility producing yellowcake is permitted by rule, provided that the facility operates according to the following conditions of this Section .

(1) The facility is located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property Upon which the facility is located.

(2) The facility shall have no emissions other than:

(A) ammonia which shall not exceed an emission rate of 2.0 pounds per hour (lb/hr); and

(B) particulate dust from yellowcake drying not to exceed 0.1 lb/hr.

(3) The facility shall have no visible particulate emissions from any part of the process.

(4) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.417. Ethylene Oxide Sterilizers.

Ethylene oxide (EO) sterilizing chambers/operations located on the same or contiguous property and under common ownership that use 1,000 pounds or less of EO per year are permitted by rule provided that the following conditions of this Section are satisfied.

(1) Any sterilizer usage that is less than 0.04 pounds of EO (20 milliliters liquid EO) per charge and the annual usage is 4.0 pounds or less of EO for the entire facility, is exempted from all requirements.

(2) All sterilizers must meet the following conditions.

(A) EO shall only be handled by medical professionals or appropriately trained personnel in medical and industrial use areas.

(B) Written records shall be maintained for a minimum of two years and shall be made available to representatives of the commission upon request. Records shall include:

(i) documentation of the date and time of each sterilizer operation cycle;

(ii) the total pounds of EO purchased and used per calendar year listed as monthly totals;

(iii) leak test results.

(C) Leak tests of each sterilizer system shall be performed at least every six months. Results of the tests shall be made available to the commission upon request.

(D) EO shall only be used alone or in combination with carbon dioxide, nitrogen, chlorofluorocarbon, hydrochlorofluorocarbon diluent gases, or other mixtures as approved by the executive director.

(E) The sterilizer vent system exhaust stack shall meet the following conditions.

(i) The stack shall be uncapped and exhaust vertically upward.

(ii) The stack height shall be extended to at least 15 feet above the roof line of the building; and the stack tip shall be located at least 25 feet from any opening to the building interior, such as fresh air intake, unsealed windows, or pedestrian traffic areas. Stacks on multi-level roofs must only extend 15 feet above the roof upon which the stack is located.

(iii) Stack exit velocity shall be at least 50 feet per second.

(3) The following conditions apply only to sterilizers that use more than four pounds, but less than 100 pounds of EO per year.

(A) Sterilizer systems which vent entirely to atmosphere shall not exceed 0.5 pounds of EO used per cycle. Sterilizer systems which use nonrecirculating, water sealed vacuum systems shall not exceed two pounds of EO charged per cycle. For facilities with multiple sterilizers, the usage rate is based on total EO usage at any given time.

(B) Any combination of sterilizers located on the same or contiguous property under common ownership shall not exceed a total EO usage of less than 100 pounds per year.

(4) The following conditions apply only to sterilizers that use between 100 and 1,000 pounds of EO per year.

(A) Before construction begins, the facility shall be registered with the commission using Form PI-7.

(B) The sterilizer chamber exhaust shall vent through an emission control device that will continuously achieve a minimum EO removal efficiency of 99%. Thermal incineration shall not be used to control sterilizer exhaust emissions if chlorofluorocarbons are used as a diluent.

(C) There shall be no discharge of water containing dissolved EO through a sanitary sewer system.

(D) Any combination of sterilizers located on the same or contiguous property under common ownership shall be limited to a total EO usage of 1,000 pounds per year.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.418. Printing Presses.

Printing operations (including, but not limited to, screen printers, ink-jet printers, presses using electron beam or ultraviolet light curing, and labeling operations) and supporting equipment (including, but not limited to, corona treaters, curing lamps, preparation, and cleaning equipment) which directly supports the printing operation are permitted by rule, provided that all the following conditions of this Section are satisfied.

(1) The uncontrolled emission of volatile organic compounds (VOC) and solvents (including, but not limited to, those used for printing, cleanup, or makeup) shall not exceed the following rates:

(A) 15 tons per year (tpy) for any single printing operation proposed to be covered by this Section ; and

(B) 25 tpy for all printing operations on the property covered by permits by rule.

(2) Facilities which release ten tpy or more of VOC emissions from all printing operations permitted by rule at the site must register with the commission using Form PI-7.

(3) Copying and duplicating equipment employing the xerographic method are exempt from paragraphs (4) - (6) of this Section .

(4) Printing presses covered by this Section shall not utilize heat set, thermo set, or ovendried inks. Heated air may be used to shorten drying time, provided the temperature does not exceed 194 degrees Fahrenheit (90 degrees Celsius).

(5) Records of ink and solvent usage shall be kept in sufficient detail to show compliance with paragraph (1) of this Section and shall be maintained for a two-year rolling retention period.

(6) Screen printing operations requiring temperatures greater that 194 degrees Fahrenheit (90 degrees Celsius) to set the ink are exempt from paragraph (4) of this Section .

(7) Facilities located in ozone nonattainment areas shall meet the requirements of Chapter 115, Subchapters B and E of this title (relating to General Volatile Organic Compound Sources and Solvent-Using Processes).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.419. Photographic Process Equipment.

Photographic process equipment by which an image is reproduced upon material sensitized to radiant energy is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER S : SURFACE COATING
Section Section 106.431 - 106.436
Effective September 4, 2000

Section 106.431. Milling and Grinding of Coatings and Molding Compounds.

Equipment used exclusively to mill or grind coatings and molding compounds where all materials charged are in a paste form is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.432. Dipping Tanks and Containers.

Containers, reservoirs, or tanks used exclusively for dipping operations for coating objects with oils, waxes, or greases where no organic solvents, diluents, or thinners are used; or dipping operations for applying coatings of natural or synthetic resins which contain no organic solvents are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.433. Surface Coat Facility.

Surface coating or stripping facilities, excluding vehicle repair and refinishing shops, shall meet the following conditions of this Section to be permitted by rule.

(1) This Section does not cover metalizing (spraying molten metal onto a surface to form a coating). However, this Section does cover the use of coatings which contain metallic pigments.

(2) All facilities covered by this Section at a site shall implement good housekeeping procedures to minimize fugitive emissions, including the following.

(A) All spills shall be cleaned up immediately.

(B) The booth or work area exhaust fans shall be operating when cleaning spray guns and other equipment.

(C) All new and used coatings and solvents shall be stored in closed containers. All waste coatings and solvents shall be removed from the site by an authorized disposal service or disposed of at a permitted on-site waste management facility.

(3) Drying or curing ovens shall either be electric or meet the following conditions:

(A) The maximum heat input to any oven must not exceed 40 million British thermal units per hour (Btu/hr).

(B) Heat shall be provided by the combustion of one of the following: sweet natural gas; liquid petroleum gas; fuel gas containing no more than 5.0 grains of total sulfur compounds (calculated as sulfur) per 100 dry standard cubic foot; or Number 2 fuel oil with not more than 0.3% sulfur by weight.

(4) No add-on control equipment shall be used to meet the emissions limits of this Section . The total uncontrolled emissions from the coating materials (as applied) and cleanup solvents shall not exceed the following for all operations:

(A) 25 tons per year (tpy) of volatile organic compounds (VOC) and ten tpy of exempt solvents for all surface coating and stripping operations covered by Section at a site;

(B) 30 pounds per hour (lb/hr) of VOC and 5.0 lb/hr of exempt solvents for all surface coating and stripping operations covered by this Section at a site;

(C) if emissions are less than 0.25 lb/hr of VOC and/or exempt solvents, a facility is exempt from the remaining requirements of this Section , including paragraphs (5) - (9) of this Section .

(5) Opacity of visible emissions shall not exceed 5.0%. Compliance shall be determined by the United States Environmental Protection Agency Method 9 averaged over a six-minute period.

(6) The following conditions apply to surface coating operations performed indoors, in a booth, or in an enclosed work area:

(A) no more than six lb/hr of VOC emissions, averaged over any five-hour period, and 500 pounds per week per booth or enclosed work area;

(B) minimum face velocity at the intake opening of each booth or work area is 100 feet per minute (ft/min). Emissions shall be exhausted through elevated stacks that extend at least 1.5 times the building height above ground level. All stacks shall discharge vertically; rain protection shall not restrict or obstruct vertical flow;

(C) for spraying operations, emissions of particulate matter must be controlled using either a water wash system or a dry filter system with a 95% removal efficiency as documented by the manufacturer. The face velocity at the filter shall not exceed 250 ft/min or that specified by the filter manufacturer, whichever is less. Filters shall be replaced whenever the pressure drop across the filter no longer meets the manufacturer’s recommendation.

(7) For surface coating operations that are performed outdoors or in a non-enclosed work area, or for indoor operations that do not meet the conditions of paragraph (6) of this Section , the following conditions apply.

(A) No more than six lb/hr of VOC emissions, averaged over any five-hour period, and 500 pounds per week shall be emitted at any time for all operations authorized by this paragraph.

(B) If coatings applied with spray equipment contain more than 0.1% by weight of chromates, lead, cadmium, selenium, strontium, or cobalt, then total VOC emissions shall be further limited to 240 pounds per week and 2,000 pounds per year. If coatings are applied with non-spray equipment (such as brushes, rollers, dipping or flow coating), the additional restrictions in this paragraph do not apply.

(C) Coating operations shall be conducted at least 50 feet from the property line and at least 250 feet from any recreational area, residence, or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located.

(D) Before construction of the facility begins, written site approval shall be received from the appropriate regional office of the commission or any local program having jurisdiction.

(8) The following records shall be maintained at the plant site for the most recent 24 months and be made immediately available to the commission or any pollution control agency with jurisdiction:

(A) material safety data sheets for all coating materials and solvents;

(B) data of daily coatings and solvent use and the actual hours of operation of each coating or stripping operation;

(C) a monthly report that represents actual hours of operation each day, and emissions from each operation in the following categories:

(i) pounds per hour;

(ii) pounds per day;

(iii) pounds per week; and

(iv) tons emitted from the site during the previous 12 months;

(D) examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions.

(9) Before construction begins, the facility shall be registered with the commission using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.434. Powder Coating Facility.

Surface coating operations utilizing powder coating materials with the powder applied by an electrostatic powder spray gun or an electrostatic fluidized bed are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.435. Classic or Antique Automobile Restoration Facility.

“Classic” or “Antique” vehicle restoration facilities (the terms “classic” and “antique” vehicle as determined by the Texas Department of Public Safety Vehicle Inspection and Registration Section under Texas Transportation Code, Chapter 502, Section 502.274 (concerning Classic Motor Vehicles) or Section 502.275 (concerning Certain Antique Vehicles; Offense)) qualify for this permit by rule if all of the following conditions of this Section are met.

(1) All automobile body/chassis abrasive blast cleaning and coating operations shall be performed in a closed building or enclosure that is located at least 50 feet away from any property lines; or the facility shall be located a minimum of 300 feet from any recreational area or residence not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located, except that structures occupied by security or watch personnel may be located contiguously.

(2) Total abrasive usage shall be less than 100 pounds per hour, 500 pounds per day, and five tons per year.

(3) Combined clean-up material and paint usage, including solvents used for cleaning or thinning purposes, shall be less than five gallons per day and 100 gallons per year.

(4) All waste coatings, solvents, and spent automotive fluids shall be stored in covered containers and disposed of properly.

(5) The owner or operator of the restoration facilities shall maintain daily and annual records in sufficient detail to verify the usage limits in paragraphs (2) and (3) of this Section . These records shall be maintained for a minimum of two years and made available at the request of personnel from the commission or any local pollution control program having jurisdiction.

(6) Facilities conducting vehicle repair and refinishing operations under Section 106.436 of this title (relating to Auto Body Refinishing Facility) may also conduct classic or antique vehicle restoration.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.436. Auto Body Refinishing Facility.

Body repair and refinishing of motorcycle, passenger car, van, light truck and heavy truck and other vehicle body parts, bodies, and cabs is permitted by rule, provided that all the following conditions of this Section are met.

(1) Before construction begins, the facility shall be registered with the commission’s Office of Permitting, Remediation, and Registration in Austin using Form PI-7-124.

(2) Facilities which satisfy one of the following conditions.

(A) Spray operations that use less than 1/2 pint of coatings and solvents per hour are exempt from all of the requirements of this Section except for paragraphs (3), (4), (16), and (17) of this Section .

(B) Spray operations that use less than two gallons of coatings and solvents per week are exempt from all of the requirements of this Section except for paragraphs (3), (4), (8), (11), (12), (14), (16), and (17) of this Section unless additional controls are specified in Section 115.421 of this title (relating to Emission Specifications). Additionally, all overspray emissions must be vented through a filter system that meets the requirements of paragraph (7) of this Section .

(3) Good housekeeping is practiced: spills are cleaned up as soon as possible, equipment is maintained according to manufacturers' instructions, and property is kept clean. In addition, all waste coatings, solvents, and spent automotive fluids including, but not limited to, engine oil, gear oil, transmission fluid, brake fluid, anti-freeze, fresh or waste fuels, and spray booth filters or water wash sludge are disposed of properly. Prior to disposal, all liquid waste shall be stored in covered containers.

(4) There are no visible emissions leaving the property.

(5) All spray coating operations which coat more than nine square feet (one panel) shall be performed in a totally enclosed filtered spray booth or totally enclosed filtered spray area with an air intake area of less than 100 square feet. All spray areas shall be equipped with a fan that achieves one of the following requirements:

(A) a flow capacity of at least 10,000 cubic feet per minute;

(B) a face velocity of at least 100 feet per minute.

(6) All spray coating operations which coat less than nine square feet (one panel) and are not in a totally enclosed booth shall be performed on or in a dedicated preparation area which meets the following requirements.

(A) The preparation area ventilation system shall be operating during spraying, and the exhaust air shall either be vented through a stack to the atmosphere or the air shall be recirculated back into the shop through a carbon adsorption system.

(B) If the preparation area is equipped with a carbon adsorption system, the carbon shall be replaced at the manufacturer's recommended intervals to minimize solvent emissions.

(C) The preparation area ventilation system shall be equipped with a filter or filter system to control paint overspray.

(7) All paint booth, spray area, and preparation area overspray (exhaust) filters or filter systems shall have a particulate control efficiency of at least 90%.

(8) High transfer efficiency coating application equipment shall be used, such as high volume low pressure spray guns. Electrostatic spray guns or other methods, if demonstrated to provide equivalent or better transfer efficiency are acceptable.

(9) Cleanup emissions shall be minimized by implementing the following procedures:

(A) spray and other equipment cleanup is totally enclosed during washing, rinsing, and draining. Non-enclosed cleaners may be used if the vapor pressure of the cleaning solvent is less than 100 millimeters of mercury at 68 degrees Fahrenheit and the solvent is directed toward a drain that leads directly to a remote reservoir;

(B) all wash solvents are kept in an enclosed reservoir that is covered at all times, except when being refilled with fresh solvents;

(C) all waste solvents and other cleaning materials are kept in closed containers.

(10) All spray booth spray area, preparation area, and shop heaters that are not electrically heated must use pipeline quality natural gas or liquified petroleum gas only and the heaters are five million British thermal units per hour or smaller. No firing of waste coatings, solvents, oils, or other automotive fluids shall be permitted on-site.

(11) All spray booth, spray area, and preparation area stack heights shall meet the following requirements.

(A) If the stack is located within 200 feet of a building that is taller than the body shop building, the stack height shall be at least 1.2 times the height of the tallest building or higher as measured from ground level.

(B) If the stack is located greater than 200 feet from a building taller than the body shop building, the stack height shall be at least 1.2 times the height of the body shop building as measured from ground level.

(C) If any ground level elevation within 250 feet of the spray booth stack is greater than the stack height required in subparagraphs (A) and (B) of this paragraph, this Section cannot be used.

(12) Spray booth, spray area, and preparation area stacks shall be located at least 50 feet away from any residence, recreation area, church, school, child care facility, or medical or dental facility.

(13) Rain caps, goose neck exhaust, or other stack heads that would restrict or obstruct vertical discharge of air contaminants shall not be allowed.

(14) The volatile organic compound (VOC) content limits specified in Section 115.421 of this title, concerning automobile and light-duty truck coatings, shall apply to the facility regardless of its location.

(15) Definitions of the coating types specified in subparagraphs (A) - (H) of this paragraph are based on Section 115.10 of this title (relating to Definitions), and the VOC content limits shall be those listed in Section 115.421 of this title. Shop use of the coating categories listed in subparagraphs (A) - (H) of this paragraph in gallons per month shall not be exceeded:

(A) cleanup solvents - 50 gallons per month;

(B) wipe solvents - 50;

(C) precoat - 50;

(D) pretreatment - 50;

(E) sealers - 50;

(F) primers/primer surfacer - 175;

(G) top coats - 320;

(H) specialty coatings - 50.

(16) The following records and reports shall be maintained at the shop site for a consecutive 24-month period and be made immediately available upon request of personnel from the commission or any other air pollution control agency with jurisdiction:

(A) material safety data sheet (MSDS) or other coating data sheets on paint and solvent systems used during the previous 24-month period or currently in use at the shop. The MSDS or coating data sheets should clearly indicate the VOC content of the product and the VOC content of multiple component coatings when mixed according to manufacturers instructions;

(B) records of monthly coating and solvent purchases (invoices from suppliers are acceptable);

(C) records of monthly paint and solvent use if purchase volumes are above the levels specified for any category in paragraph (15) of this Section ;

(D) additional records are kept in sufficient detail, if necessary, to allow an annual emission inventory to be submitted according to the requirements in Section 101.10 of this title (relating to Emissions Inventory Requirements);

(E) records of the United States Environmental Protection Agency and the commission's Office of Permitting, Remediation, and Registration registration or identification numbers for each waste generator.

(17) Compliance with the requirements of this Section does not eliminate the requirement to comply with all rules of the commission, including Section 101.4 of this title (relating to Nuisance). The commission may require a facility to cease operation until the matter is resolved.

(18) After December 31, 1994, the conditions of this permit by rule are effective as to facilities in existence prior to the adoption of this Section .
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER T: SURFACE PREPARATION
Section Section 106.451 - 106.454
Effective September 4, 2000

Section 106.451. Wet Blast Cleaning.

Blast cleaning equipment using a suspension of abrasives in water is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.452. Dry Abrasive Cleaning.

Any abrasive cleaning operation that will satisfy paragraph (1) or (2) of this Section is permitted by rule:

(1) enclosed abrasive cleaning:

(A) the particulate matter emissions are evacuated through a fabric filter with a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with air cleaning; and

(B) there are no visible fugitive emissions from the facility.

(2) outside blast cleaning:

(A) abrasive usage rate shall not exceed 150 tons per year, 15 tons per month, and one ton per day; and

(B) the blast cleaning is performed at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located; and

(C) records shall be maintained of operating hours and abrasive material usage; and

(D) before construction begins, the facility is registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7; and

(E) before construction of the facility begins, written site approval shall be received from the executive director.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.453. Washing and Drying of Glass and Metal.

Equipment used for washing or drying products fabricated from metal or glass is permitted by rule, provided no volatile organic materials are used in the process and no oil or solid fuel is burned.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.454. Degreasing Units.

Any degreasing unit that satisfies the following conditions of this Section is permitted by rule.

(1) The following general requirements are applicable to all degreasers unless specifically noted by the conditions of this Section .

(A) Units subject to paragraphs (3) - (5) of this Section shall meet the following:

(i) register with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7 and a Degreasing Unit Checklist;

(ii) on a monthly basis, records shall be kept of total solvent makeup (gross usage minus waste disposal).

(B) Waste solvent from all degreasing operations shall be stored in covered containers, and be removed by a licensed disposal service or until emptying into an authorized on-site waste management facility.

(C) Porous or absorbent materials, such as cloth, leather, wood, or rope shall not be degreased.

(D) Leaks shall be repaired immediately, or the degreaser shall be shut down until repairs are completed.

(E) A permanent and conspicuous label summarizing proper operating procedures to minimize emissions shall be posted on or near the degreaser.

(F) Each unit, regardless of the county in which it is located, shall meet the requirements of Section 115.412 and Section 115.415 of this title (relating to Control Requirements and Testing Requirements).

(2) The following conditions apply only to remote reservoir cleaners.

(A) The cleaner shall be designed to prevent exposure of the solvent reservoir to the atmosphere except for the drain openings. The drain openings shall not exceed 3.0% of the total cleaner open area and shall under no conditions exceed 16 square inches.

(B) All solvent sprays shall be a solid fluid stream (not a fine, atomized, or shower type spray) and at a minimal operating pressure that is necessary to prevent excessive splashing, but not to exceed ten pounds per square inch, gauge (psig).

(C) The true vapor pressure of the solvent shall not exceed 0.6 pounds per square inch, absolute (psia) as measured or calculated at an operating temperature of 100 degrees Fahrenheit.

(D) The solvent shall not be heated.

(3) The following conditions apply only to cold solvent cleaners, not including remote reservoirs.

(A) The cleaner shall have a freeboard that has a minimum four-inch water cover or provides a freeboard ratio (the distance from top of the solvent level to the top edge of the degreasing tank divided by the degreaser width) equal to or greater than 0.7. For water covers, the solvent must be insoluble in and heavier than water.

(B) The unit shall be equipped with a cover which is closed whenever parts are not being handled in the cleaner. Also, the cover must be designed for easy one-handed operation if any of the following conditions are present:

(i) the true vapor pressure of the solvent is greater than 0.3 psia as measured or calculated at 100 degrees Fahrenheit;

(ii) the solvent is agitated;

(iii) the solvent is heated.

(C) If a solvent spray is used, it shall be a solid fluid stream (not a fine, atomized, or shower-type spray) with a minimal operating pressure that is necessary to prevent splashing above the acceptable freeboard. The operating pressure shall not exceed ten psig.

(D) An internal-cleaned parts drainage rack or facility, for enclosed draining under a cover, shall be provided. An external-cleaned parts drainage rack or facility, for enclosed draining under a cover, may be used if the vapor pressure of the solvent is less than 0.6 psia at 100 degrees Fahrenheit. In all cases, parts shall be drained for at least 15 seconds or until dripping ceases.

(E) The Form PI-7 registration is not required if total solvent makeup (gross usage minus waste disposal) is 110 gallons per year (gallon/yr) or less.

(F) Total solvent makeup shall not exceed the following:

(i) chlorinated solvents - 660 gallons/yr;

(ii) all other solvents - 1,500 gallons/yr.

(4) The following conditions apply only to open top solvent vapor degreasers.

(A) The surface area of the solvent shall not exceed 15 square feet.

(B) The unit shall be equipped with a cover that can be opened and closed easily without disturbing the vapor zone. If the degreaser opening exceeds ten square feet, a powered cover shall be required.

(C) The cover shall be closed at all times except when parts are moved into and out of the degreaser.

(D) The unit shall be equipped with a properly sized refrigerated chiller, or the unit shall have a freeboard ratio (the distance from top of the vapor level to the top edge of the degreasing tank divided by the degreaser width) equal to or greater than 0.75.

(E) Exhaust ventilation for the unit shall operate between 50 and 65 cubic feet per minute (cfm) per square foot of degreaser open area unless this conflicts with Occupational Safety and Health Administration (OSHA) requirements. Ventilation fans or other sources of air agitation shall not be operated near the degreaser opening.

(F) The exhaust stacks shall discharge vertically with no restrictions or obstructions to flow. The stack height shall extend at least 1.3 times the building height as measured from ground level.

(G) Total solvent makeup (gross usage minus waste disposal) shall not exceed the following:

(i) chlorinated solvents - 660 gallons/yr;

(ii) all other solvents - 1500 gallons/yr.

(5) The following conditions apply only to conveyorized degreasers.

(A) The inlet and outlet openings shall be closed at all times except when processing work through the degreaser.

(B) The unit shall be equipped with a properly sized refrigerated chiller which has a volatile organic compound removal efficiency of at least 85%, or the unit shall have a freeboard ratio (the distance from top of the vapor level to the top edge of the degreasing tank divided by the degreaser width) equal to or greater than 0.75.

(C) A drying tunnel or other means of control shall be used to limit liquid or vapor carry-out.

(D) Entrances and exits to the degreaser shall be designed to silhouette work loads.

(E) Exhaust ventilation for the unit shall operate between 50 and 65 cfm per square foot of degreaser opening unless this conflicts with OSHA requirements. Ventilation fans or other sources of air agitation shall not be operated near the degreaser openings.

(F) The exhaust stacks shall discharge vertically with no restrictions or obstructions to flow. The stack height shall extend at least 1.5 times the building height as measured from ground level.

(G) Total solvent makeup (gross usage minus waste disposal) shall not exceed the following:

(i) chlorinated solvents - 660 gallons/yr;

(ii) all other solvents - 1,500 gallons/yr.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER U : TANKS, STORAGE, AND LOADING
Section Section 106.471 - 106.478
Effective September 4, 2000

Section 106.471. Storage or Holding of Dry Natural Gas.

Equipment used exclusively to store or hold dry natural gas is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.472. Organic and Inorganic Liquid Loading and Unloading.

Liquid loading or unloading equipment for railcars, tank trucks, or drums; storage containers, reservoirs, tanks; and change of service of material loaded, unloaded, or stored is permitted by rule, provided that no visible emissions result and the chemicals loaded, unloaded, or stored are limited to:

(1) the following list: asphalt, resins, soaps, lube oils, fuel oils, waxes, polymers, detergents, lube oil additives, kerosene, wax emulsions, vegetable oils, greases, animal fats, and diesel fuels;

(2) water or wastewater;

(3) aqueous salt solutions;

(4) aqueous caustic solutions, except ammonia solutions;

(5) inorganic acids except oleum, hydrofluoric, and hydrochloric acids;

(6) aqueous ammonia solutions if vented through a water scrubber;

(7) hydrochloric acid if vented through a water scrubber;

(8) acetic acid if vented through a water scrubber;

(9) organic liquids having an initial boiling point of 300 degrees Fahrenheit or greater. Facilities loading, unloading, or storing butyric acid, isobutyric acid, methacrylic acid, mercaptans, croton oil, 2-methyl styrene, or any other compound with an initial boiling point of 300 degrees Fahrenheit or greater listed in 40 Code of Federal Regulations 261, Appendix VIII shall be located at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.473. Organic Liquid Loading and Unloading.

Organic liquids loading or unloading equipment for railcars, tank trucks, or drums; and storage containers, tanks, or change of service of the material loaded, unloaded, or stored is permitted by rule, provided that all of the following conditions of this Section are met.

(1) Uncontrolled emissions calculated using the version of AP-42 in effect at the time are less than 25 tons per year of organic compounds or of any other air contaminant.

(2) The loading rate of the facilities does not exceed 20,000 gallons per day averaged over any consecutive 30-day period.

(3) The capacity of any tank does not exceed 25,000 gallons, except that tanks having a capacity of less than 40,000 gallons may be used to store sweet crude oil, sweet natural gas condensate, gasoline, and petroleum fuels.

(4) The facilities are used exclusively for the loading, unloading, or storage of:

(A) organic liquids normally used as solvents, diluents, thinners, inks, colorants, paints, lacquers, enamels, varnishes, liquid resins, or other surface coatings;

(B) petroleum, petroleum fuels, other motor vehicle fuels, and natural gas liquids, none of which have a true vapor pressure of 11.0 pounds per square inch, absolute, or greater at maximum temperature of use;

(5) The facilities will meet any applicable requirements of Chapter 115 of this title (relating to Control of Air Pollution from Volatile Organic Compounds);

(6) Facilities used for the loading, unloading, or storage of any compound listed in 40 Code of Federal Regulations 261, Appendix VIII are not permitted by rule under this Section .
Adopted August 9, 2000 Effective September 4, 2000

Section 106.474. Hydrochloric Acid Storage.

Hydrochloric acid storage tanks used exclusively for the storage of hydrochloric acid with an acid strength of 38% by weight or less are permitted by rule. If an acid more concentrated than 20% by weight is stored, the tank vent must be controlled to reduce emissions by at least 99%.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.475. Pressurized Tanks or Tanks Vented to a Firebox.

Any vessel storing carbon compounds composed only of carbon, hydrogen, or oxygen is permitted by rule, provided that the vessel vent is directed to an incinerator, boiler, or other firebox having a stationary flue or a waste gas flare system that will operate with no visible emissions except as provided by Chapter 101 of this title (relating to General Air Quality Rules) for periods of maintenance or operational upset. However, vessels not exceeding 100 barrels capacity and storing only liquid petroleum gas may have the safety relief valve vent directly to the atmosphere. Also, any tank having a capacity not to exceed 1,000 gallons and storing only commercial odorants used to odorize petroleum gases may have the safety relief valve vent directly to the atmosphere.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.476. Pressurized Tanks or Tanks Vented to Control.

Any tank or other container storing carbon compounds is permitted by rule, provided that the tank or container pressure is sufficient at all times to prevent vapor or gas loss to the atmosphere or the tank or container is equipped with a relief valve which directs all vapors or gases to an incinerator, boiler, or other firebox having a stationary flue or a waste gas smokeless flare system. The vapors or gases and any necessary fuel gas shall be mixed thoroughly upstream of the heater burner(s) or the flare tip such that the mixed gases have a minimum net or lower heating value of 200 British thermal units per cubic foot. The flare also shall meet the other requirements of Section 106.492 of this title (relating to Flares).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.477. Anhydrous Ammonia Storage.

Anhydrous ammonia storage tanks and distribution facilities that meet the following conditions are permitted by rule.

(1) All valves, connectors, and hoses, associated with permanent storage tanks and any nurse tanks stored on-site, shall be properly maintained in leak-proof condition at all times.

(2) The capacity of each permanent storage tank is 30,000 gallons or less.

(3) When transferring ammonia, all vapors shall be vented back to the host tank and never to the atmosphere.

(4) When relieving pressure from hoses associated with permanent storage tanks and any nurse tanks, all vapors shall be bled into an adequate volume of water and never to the atmosphere.

(5) Each permanent storage tank and any nurse tanks stored on-site are equipped to prevent unauthorized operation.

(6) Before construction begins, written site approval must be received from the regional director and the owner or operator shall file with the commission's Office of Permitting, Remediation, and Registration in Austin a completed Form PI-7 and supporting documentation demonstrating that all of the requirements of this Section will be met.

(7) Each permanent storage tank is located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the property upon which the facility is located.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.478. Storage Tank and Change of Service.

Any fixed or floating roof storage tank, or change of service in any tank, used to store chemicals or mixtures of chemicals shown in Table 478 in paragraph (8) of this Section is permitted by rule, provided that all of the following conditions of this Section are met:

(1) The tank shall be located at least 500 feet away from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.

(2) The true vapor pressure of the compound to be stored shall be less than 11.0 psia at the maximum storage temperature.

(3) For those compounds that have a true vapor pressure greater than 0.5 psia and less than 11.0 psia at the maximum storage temperature, any storage vessel larger than 40,000 gallons capacity shall be equipped with an internal floating cover or equivalent control.

(A) An open top tank containing an external floating roof using double seal technology shall be an approved control alternative equivalent to an internal floating cover tank, provided the primary seal consists of either a mechanical shoe seal or a liquid-mounted seal. Double seals having a vapor-mounted primary seal are an approved alternative for existing open top floating roof tanks undergoing a change of service.

(B) The floating cover or floating roof design shall incorporate sufficient flotation to conform to the requirements of American Petroleum Institute Code 650, Appendix C or an equivalent degree of flotation.

(4) Compounds with a true vapor pressure of 0.5 psia or less at the maximum storage temperature may be stored in a fixed roof or cone roof tank which includes a submerged fill pipe or utilizes bottom loading.

(5) For fixed or cone roof tanks having no internal floating cover, all uninsulated tank exterior surfaces exposed to the sun shall be painted chalk white except where a dark color is necessary to help the tank absorb or retain heat in order to maintain the material in the tank in a liquid state.

(6) Emissions shall be calculated by methods specified in Section 4.3 of the current edition of the United States Environmental Protection Agency Publication AP-42. This document may be obtained from the Superintendent of Documents, Washington D.C. 20402. It is Stock Number 0550000251-7, Volume I.

(7) Before construction begins, storage tanks of 25,000 gallons or greater capacity and located in a designated nonattainment area for ozone shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7. The registration shall include a list of all tanks, calculated emissions for each carbon compound in tons per year for each tank, and a Table 7 of Form PI-2 for each different tank design.

(8) Mixtures of the chemicals listed in Table 478 which contain more than a total of 1.0% by volume of all other chemicals not listed in Table 478 are not covered by this Section .

Table 478
Approved Chemical List for Exemption from Permitting

A. Compounds of the following classes containing only atoms of carbon and hydrogen, not including aromatic compounds:
Paraffins. Examples: hexane, pentane, octane, isooctane.
Cycloparaffins (except cyclopentane). Examples: cyclohexane, methyl cyclopentane.
Olefins (except butadiene). Examples: octene, isoprene.
Cycloolefins. Examples: cyclopentadiene, cyclohexene.

B. Aromatic hydrocarbons only as follows: Ethyl benzene, styrene, xylenes.

C. Compounds of the following classes containing only atoms of carbon, hydrogen, and oxygen:
Alcohols (except allyl alcohol, isobutyl alcohol, and propargyl alcohol). Examples of approved alcohols: butyl alcohol, ethylene glycol.

Ethers (except vinyl ethers, glycol ethers, epoxides, and other ringed oxide compounds such as ketenes, furans, and pyrans). Examples of approved ethers: butyl ether, isopropyl ether.

Esters (except acrylates, methacrylates, allyl acetate, vinyl acetate, isopropyl formate). Examples of approved esters: ethyl acetate, butyl formate, methyl propionate.

Ketones (except allyl acetone, methyl ethyl ketone, methyl normal butyl ketone, acetophenone, and vinyl ketones). Examples of approved ketones: acetone, hexanone.

D. Additional chemicals:

Crude oil and refinery petroleum fractions (except pyrolysis naphthas and pyrolysis gasolines) containing less than 10% benzene. Examples of approved petroleum fractions: intermediate and finished gasolines, naphthas, alkylates, fluid catalytic cracking unit feed, fuel oils, distillates, other liquid fuels, and condensates. Natural gas and crude oil condensates that do not emit sour gas.

E. Non-approved chemicals:

Other chemicals not specifically included within the classes defined above are not approved. Examples of non-approved chemicals: aromatics (other than those listed or those found in the crude oil and refinery liquids as listed); aldehydes; amines; amides; imines; nitriles; halogenated compounds; sulfonated chemicals; cyanates; organic acids; ethylene oxide (EtO), propylene oxide, and other oxygenated compounds not listed; organometallic compounds; pesticides.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER V: THERMAL CONTROL DEVICES
Section Section 106.491 - 106.496
Effective September 4, 2000

Section 106.491. Dual Chamber Incinerators.

Dual-chambered incinerators which burn only waste generated on-site and which meet the conditions of this Section are permitted by rule. Incinerators used in the processing or recovery of materials or to dispose of pathological waste

as defined in Section 106.494 of this title (relating to Pathological Waste Incinerators), hospital waste, and/or infectious waste are not authorized by this Section .

(1) The incinerator shall meet the following design requirements.

(A) The incinerator shall be equipped with an afterburner automatically controlled to operate with a minimum temperature of 1,400 degrees Fahrenheit and a minimum gas retention time of 0.5 seconds.

(B) The manufacturer's rated capacity (burn rate) shall be 500 pounds per hour or less.

(C) Stacks shall have unobstructed vertical discharge when the incinerator is operated. Properly installed and aintained spark arrestors are not considered obstructions.

(D) Stack height shall be six feet above the peak of the highest building within 150 feet.

(2) The incinerator shall meet the following operational conditions.

(A) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.

(B) Fuel for the incinerator shall be limited to sweet natural gas, liquid petroleum gas, Number 2 fuel oil with less than 0.5% sulfur by weight, or electric power.

(C) This facility shall be used solely for the disposal of the following waste materials generated on-site: paper, wood, cardboard cartons, rags, garbage (animal and vegetable wastes as defined in Chapter 101 of this title (relating to General Rules)), and combustible floor sweepings; containing overall not more than 10% treated papers, plastic, or rubber scraps. Neither garbage content nor moisture content shall exceed 50% and noncombustible solids shall not exceed 10%.

(D) The manufacturer's recommended operating instructions shall be posted at the incinerator and the unit shall be operated in accordance with these instructions.

(E) Incinerator owners and operators shall meet the monitoring, testing, reporting, and recordkeeping requirements found in Chapter 111 of this title (relating to Control of Air Pollution from Visible Emissions and Particulate Matter).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.492. Flares.

Smokeless gas flares which meet the following conditions of this Section are permitted by rule:

(1) design requirements.

(A) The flare shall be equipped with a flare tip designed to provide good mixing with air, flame stability, and a tip velocity less than 60 feet per second (ft/sec) for gases having a lower heating value less than 1,000 British thermal units per cubic foot (Btu/ft3) or a tip velocity less than 400 ft/sec for gases having a lower heating value greater than 1,000 Btu/ft3.

(B) The flare shall be equipped with a continuously burning pilot or other automatic ignition system that assures gas ignition and provides immediate notification of appropriate personnel when the ignition system ceases to function. A gas flare which emits no more than 4.0 pounds per hour (lb/hr) of reduced sulfur compounds, excluding sulfur oxides, is exempted from the immediate notification requirement, provided the emission point height meets the requirements of Section 106.352(4) of this title (relating to Oil and Gas Production Facilities).

(C) A flare which burns gases containing more than 24 parts per million by volume (ppmv) of sulfur, chlorine, or compounds containing either element shall be located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the flare or the owner of the property upon which the flare is located.

(D) The heat release of a flare which emits sulfur dioxide (SO2) or hydrogen chloride (HCl) shall be greater than or equal to the following values:

For HCl Q = 2.73 X 105 X HCl

For SO2 Q = 0.53 X 105 X SO2

Where Q = heat release, British thermal units per hour, based on lower heating value

HCl = HCl emission rate, lb/hr

SO2 = SO2 emission rate, lb/hr

(2) operational conditions.

(A) The flare shall burn a combustible mixture of gases containing only carbon, hydrogen, nitrogen, oxygen, sulfur, chlorine, or compounds derived from these elements. When the gas stream to be burned has a net or lower heating value of more than 200 Btu/ft3 prior to the addition of air, it may be considered combustible.

(B) A flare which burns gases containing more than 24 ppmv of sulfur, chlorine, or compounds containing either element shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7 prior to construction of a new flare or prior to the use of an existing flare for the new service.

(C) Under no circumstances shall liquids be burned in the flare.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.493 Direct Flame Incinerators

Direct flame incinerators installed for the purpose of reducing or eliminating non-halogenated volatile organic compound vapors and/or aerosols (but not liquids or solids) are exempt, provided the following conditions of this Section are satisfied.

(1) Before construction begins, the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7.

(2) Each direct flame incinerator shall be automatically controlled to maintain a minimum temperature of 1,400 degrees Fahrenheit in the combustion chamber (secondary chamber if dual-chambered) and a gas retention time of 0.5 second or greater.

(3) Continuous temperature monitors to record the temperature of the combustion chamber (secondary chamber if dual chambered) shall be installed and maintained. Temperature data shall be maintained on a rolling two-year retention basis and shall be made available at the request of personnel from the commission or any local air pollution control program having jurisdiction.

(4) Manufacturer's recommended operating instructions shall be posted at each incinerator and each unit shall be operated in accordance with these instructions.

(5) Opacity of emissions from the incinerator shall not exceed 5.0% averaged over a five-minute period.

(6) There shall be no obstructions to stack flow, such as by rain caps, unless such devices are designed to automatically open when the incinerator is in operation. Properly installed and maintained spark arrestors are not considered obstructions.

(7) Heat for the incinerator shall be provided by the combustion of sweet natural gas, liquid petroleum gas, or Number 2 fuel oil with no more than 0.5% sulfur by weight or by electric power.

(8) The gases being incinerated shall contain no halogenated organic compounds.

(9) This Section shall not apply to catalytic incinerators or direct flame incinerators installed to control emissions from new or modified facilities subject to the requirements of Chapter 116 of this title (relating to Control of Air Pollution by Permits for New Construction or Modification).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.494. Pathological Waste Incinerators.

(a) Definitions. The following words and terms, when used in this Section , shall have the following meanings, unless the context clearly indicates otherwise.

(1) **Pathological waste (as defined in 25 TAC Section 1.132 (relating to Definitions))-**
Includes, but is not limited to:

(A) human materials removed during surgery, labor and delivery, autopsy, or biopsy, including:

(i) body parts;

(ii) tissues or fetuses;

(iii) organs; and

(iv) bulk blood and body fluids;

(B) products of spontaneous or induced human abortions, including body parts, tissues, fetuses, organs, and bulk blood and body fluids, regardless of the period of gestation;

(C) laboratory specimens of blood and tissue after completion of laboratory examination; and

(D) anatomical remains.

(2) **Human remains (as defined in Health and Safety Code (H&SC), Section 711.001)** -
The body of decedent.

(3) **Carcasses** - Dead animals, in whole or part.

(4) **Crematory (as defined in the H&SC, Section 711.001)** - A structure containing a furnace used or intended to be used for the cremation of human remains.

(5) **Animal feeding operations** - A lot or facility (other than an aquatic animal feeding facility or veterinary facility) where animals are stabled or confined and fed or maintained for a total of 45 days or more in any 12-month period, and the animal confinement areas do not sustain crops, vegetation, forage growth, or post-harvest residues in the normal growing season.

(6) **Non-commercial incinerator** - An incinerator which does not accept pathological waste or carcasses generated off-site for monetary compensation.

(7) **Stack height** - Elevation of the stack exit above the ground.

(b) Conditions of permit by rule. Crematories and non-commercial incinerators used to dispose of pathological waste and carcasses which meet the following conditions of this Section are permitted by rule. Incinerators used in the recovery of materials are not covered by this Section .

(1) Design requirements.

(A) The manufacturer's rated capacity (burn rate) shall be 200 pounds per hour (lbs/hr) or less.

(B) The incinerator shall be a dual-chamber design.

(C) Burners shall be located in each chamber, sized to manufacturer's specifications, and operated as necessary to maintain the minimum temperature requirements of subparagraphs (D) or (E) of this paragraph at all times when the unit is burning waste.

(D) Excluding crematories, the secondary chamber much be designed to maintain a temperature of 1,600 degrees Fahrenheit or more with a gas residence time of 1/2 second or more.

(E) In lieu of subparagraph (D) of this paragraph, incinerators at animal feeding operations that:

(i) are used to dispose of carcasses generated on-site; and

(ii) are located a minimum of 700 feet from the nearest property line, shall be designed to maintain a secondary chamber temperature of 1,400 degrees Fahrenheit or more with a gas residence time of 1/4 second or more. Alternatively, incinerators may be located in accordance with Table 494, provided the total manufacturer's rated capacity (burn rate) of all units located less than 700 feet from a property line shall not exceed 200 lb/hr. Setback distances shall be measured from the stack exit.

Table 494

Stack Height (feet)	Property Line Distance (feet) For 24-hour Operation	Property Line Distance (feet) For *Daytime-only Operation
8 or less	210	150
>8 and ≤ 12	200	140
>12 and ≤ 16	180	130
>16 and ≤ 20	160	110
> than 20	140	90

*One hour after sunrise to one hour before sunset

(F) There shall be no obstructions to stack flow, such as by rain caps, unless such devices are designed to automatically open when the incinerator is operated. Properly installed and maintained spark arresters are not considered obstruction.

(2) Operational conditions.

(A) Before construction begins, the facility shall be registered with the commission using Form PI-7.

(B) The manufacturer's recommended operating instructions shall be posted at the unit and the unit shall be operated in accordance with these instructions.

(C) The opacity of emissions from the incinerator shall not exceed 5.0% averaged over a six-minute period.

(D) Heat shall be provided by the combustion of sweet natural gas, liquid petroleum gas, or Number 2 fuel oil with less than 0.3% sulfur by weight, or by electric power.

(E) Incinerators installed and operated in accordance with the conditions of this Section shall not be used to dispose of any medical waste, other than pathological waste and/or carcasses.

(F) Incinerators installed and operated in accordance with the conditions of this Section shall also meet the requirements of Section Section 111.121, 111.125, 111.127, and 111.129 of this title (relating to Single-, Dual-, and Multiple-Chamber Incinerators; Testing Requirements; Monitoring and Recordkeeping Requirements; and Operating Requirements).

(G) Crematories shall be used for the sole purpose of cremation of human remains and appropriate containers.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.495. Heat Cleaning Devices.

Heat cleaning devices (such as ovens, furnaces, and/or direct flame incinerators) used to thermally remove residual combustible or semi-combustible materials from noncombustible electrical or mechanical parts are permitted by rule, provided the following conditions of this Section are satisfied.

(1) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.

(2) The combustible material shall not exceed 10% by weight of the total load to the oven, furnace, and/or incinerator.

(3) The combustible material shall contain no halogenated organic compounds.

(4) The oven, furnace, and/or incinerator shall be equipped with an afterburner automatically controlled to operate with a minimum temperature of 1,400 degrees Fahrenheit and a gas retention time of 0.5 second or greater.

(5) Opacity of emissions from the oven, furnace, and/or incinerator shall not exceed 5.0% averaged over a five-minute period.

(6) The manufacturer's recommended operating instructions shall be posted at each oven, furnace, and/or incinerator, and each unit shall be operated in accordance with these instructions.

(7) Heat shall be provided by the combustion of sweet natural gas, liquid petroleum gas, or Number 2 fuel oil with no more than 0.5% sulfur by weight, or by electric power.

(8) The emission of any air contaminant shall not exceed 0.5 pounds per hour and 2.0 tons per year.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.496 Trench Burners

Any trench burner that operates according to the following conditions of this Section is exempt.

(1) The trench burner shall be operated at least 300 feet from any recreational area, residence, or other structure not occupied or used solely by the owner of the trench burner or the owner of the property upon which the trench burner is located.

(2) The trench shall be opened in undisturbed soil not previously excavated, built up, compacted, or used in any type of landfill operation.

(3) The trench shall be no wider than 12 feet with a minimum depth of ten feet. The maximum length of the burning area as measured along the bottom of the trench shall not exceed by more than five feet the length of the manifold. The walls of the trench must be maintained such that they remain vertical.

(4) Operation of this trench burner is limited to the hours between 8:00 a.m. and 6:00 p.m., and is limited to a total of eight hours per day and 1,000 hours per year. A written record or log of the hours of operation of this trench burner shall be maintained at the site and made available at the request of personnel from the commission or any local air pollution control program having jurisdiction. This record or log shall be organized such that the compliance status of this special condition can be readily determined.

(5) Material shall not be added to the trench such that the material will not be consumed by 6:00 p.m.

(6) The blower shall remain on until all material is consumed so that any remaining material in the trench will not smoke when the blower is turned off.

(7) This trench burner shall not be operated when an air stagnation advisory is in effect for the area in which the trench burner is located.

(8) Opacity of emissions from the trench and from operation of the blower shall not exceed 20% averaged over a five-minute period, except for a start-up period which shall not exceed 20 minutes. Opacity shall be measured as outlined in Chapter 13, "Visible Emissions Evaluation," of the commission's Sampling Procedures Manual, as published in January 1983, and as subsequently revised.

(9) Material to be burned in the trench is limited to not more than 7.0 tons per hour of trees, brush, and untreated lumber. Material not being worked and material being stockpiled to be burned at a later date must be kept at least 75 feet from the trench.

(10) Material shall not be added to the trench in such a manner as to be stacked above the air curtain at any time.

(11) The ash generated by this operation shall be removed from the trench as necessary in order to maintain the minimum trench depth of ten feet. The ash shall be removed in such a manner as to minimize the ash becoming airborne. All material removed from the trench must be completely extinguished before being landfilled or placed in contact with combustible material to prevent combustion outside of the trench or in the landfill.

(12) A copy of this Section shall be kept at the burn site and made available at the request of personnel from the commission or any local air pollution control program having jurisdiction.

(13) Operating instructions shall be posted at the burn site and all operators shall read and have knowledge of these instructions. The operating instructions shall be made available at the request of personnel from the commission or any local air pollution control program having jurisdiction.

(14) An operator shall remain with the trench burner at all times when it is operating.

(15) Upon notification by a representative of the commission or any local air pollution control program having jurisdiction that the trench burner is not complying with the conditions of this Section , no additional material shall be added to the trench until compliance with such conditions has been effected.

(16) The Texas Natural Resource Conservation Commission (TNRCC) shall be notified by the owner or operator of the trench burner prior to use of the trench burner at a TNRCC permitted landfill.

(17) Upon removal of the trench burner from the burn site, the trench shall be completely filled with uncombustible material.

(18) Before operation of the facility begins at any site, written site approval shall be received from the executive director and any local air pollution control program having jurisdiction in the area and the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER W: TURBINES AND ENGINES
Section 106.511, Section 106.512
Effective September 4, 2000

Section 106.511. Portable and Emergency Engines and Turbines.

Internal combustion engine and gas turbine driven compressors, electric generator sets, and water pumps, used only for portable, emergency, and/or standby services are permitted by rule, provided that the maximum annual operating hours shall not exceed 10% of the normal annual operating schedule of the primary equipment; and all electric motors. For purposes of this Section , “standby” means to be used as a “substitute for” and not “in addition to” other equipment.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.512. Stationary Engines and Turbines.

Gas or liquid fuel-fired stationary internal combustion reciprocating engines or gas turbines that operate in compliance with the following conditions of this Section are exempt.

(1) The facility shall be registered by submitting the commission's Form PI-7, Table 29 for each proposed reciprocating engine, and Table 31 for each proposed gas turbine to the commission's Office of Air Quality in Austin within ten days after construction begins. Engines and turbines rated less than 240 horsepower (hp) need not be registered, but must meet paragraphs (5) and (6) of this Section , relating to fuel and protection of air quality. Engine hp rating shall be based on the engine manufacturer's maximum continuous load rating at the lesser of the engine or driven equipment's maximum published continuous speed. A rich-burn engine is a gas-fired spark-ignited engine that is operated with an exhaust oxygen content less than 4.0% by volume. A lean-burn engine is a gas-fired spark-ignited engine that is operated with an exhaust oxygen content of 4.0% by volume, or greater.

(2) For any engine rated 500 hp or greater, subparagraphs (A)-(C) of this paragraph shall apply.

(A) The emissions of nitrogen oxides (NOx) shall not exceed the following limits:

(i) 2.0 grams per horsepower-hour (g/hp-hr) under all operating conditions for any gas-fired rich-burn engine;

(ii) 2.0 g/hp-hr at manufacturer's rated full load and speed, and other operating conditions, except 5.0 g/hp-hr under reduced speed, 80-100% of full torque conditions, for any spark-ignited, gas-fired lean-burn engine, or any compression-ignited dual fuel-fired engine manufactured new after June 18, 1992;

(iii) 5.0 g/hp-hr under all operating conditions for any spark-ignited, gas-fired, lean-burn two-cycle or four-cycle engine or any compression-ignited dual fuel-fired engine rated 825 hp or greater and manufactured after September 23, 1982, but prior to June 18, 1992;

(iv) 5.0 g/hp-hr at manufacturer's rated full load and speed and other operating conditions, except 8.0 g/hp-hr under reduced speed, 80-100% of full torque conditions for any spark-ignited, gas-fired, lean-burn four-cycle engine, or any compression-ignited dual fuel-fired engine that:

(I) was manufactured prior to June 18, 1992, and is rated less than 825 hp; or

(II) was manufactured prior to September 23, 1982;

(v) 8.0 g/hp-hr under all operating conditions for any spark-ignited, gas-fired, two-cycle lean-burn engine that:

(I) was manufactured prior to June 18, 1992, and is rated less than 825 hp; or

(II) was manufactured prior to September 23, 1982;

(vi) 11.0 g/hp-hr for any compression-ignited liquid-fired engine.

(B) For such engines which are spark-ignited gas-fired or compression-ignited dual fuel-fired, the engine shall be equipped as necessary with an automatic air-fuel ratio (AFR) controller which maintains AFR in the range required to meet the emission limits of subparagraph (A) of this paragraph. An AFR controller shall be deemed necessary for any engine controlled with a non-selective catalytic reduction (NSCR) converter and for applications where the fuel heating value varies more than plus or minus 50 British thermal unit/standard cubic feet from the design lower heating value of the fuel. If an NSCR converter is used to reduce NOx, the automatic controller shall operate on exhaust oxygen control.

(C) Records shall be created and maintained by the owner or operator for a period of at least two years, made available, upon request, to the commission and any local air pollution control agency having jurisdiction, and shall include the following:

(i) documentation for each AFR controller, manufacturer's, or supplier's recommended maintenance that has been performed, including replacement of the oxygen sensor as necessary for oxygen sensor-based controllers. The oxygen sensor shall be replaced at least quarterly in the absence of a specific written recommendation;

(ii) documentation on proper operation of the engine by recorded measurements of NOx and carbon monoxide (CO) emissions as soon as practicable, but no later than seven days following each occurrence of engine maintenance which may reasonably be expected to increase emissions, changes of fuel quality in engines without oxygen sensor-based AFR controllers which may reasonably be expected to increase emissions, oxygen sensor replacement, or catalyst cleaning or catalyst replacement. Stain tube indicators specifically designed to measure NOx and CO concentrations shall be acceptable for this documentation, provided a hot air probe or equivalent device is used to prevent error due to high stack temperature, and three sets of concentration measurements are made and averaged. Portable NOx and CO analyzers shall also be acceptable for this documentation;

(iii) documentation within 60 days following initial engine start-up and biennially thereafter, for emissions of NOx and CO, measured in accordance with United States Environmental Protection Agency (EPA) Reference Method 7E or 20 for NOx and Method 10 for CO. Exhaust flow rate may be determined from measured fuel flow rate and EPA Method 19. California Air Resources Board Method A-100 (adopted June 29, 1983) is an acceptable alternate to EPA test methods. Modifications to these methods will be subject to the prior approval of the Source and Mobile Monitoring Division of the commission. Emissions shall be measured and recorded in the as-found operating condition; however, compliance determinations shall not be established during start-up, shutdown, or under breakdown conditions. An owner or operator may submit to the appropriate regional office a report of a valid emissions test performed in Texas, on the same engine, conducted no more than 12 months prior to the most recent start of construction date, in lieu of performing an emissions test within 60 days following engine start-up at the new site. Any such engine shall be sampled no less frequently than biennially (or every 15,000 hours of elapsed run time, as recorded by an elapsed run time meter) and upon request of the executive director. Following the initial compliance test, in lieu of performing stack sampling on a biennial calendar basis, an owner or operator may elect to install and operate an elapsed operating time meter and shall test the engine within 15,000 hours of engine operation after the previous emission test. The owner or operator who elects to test on an operating hour schedule shall submit in writing, to the appropriate regional office, biennially after initial sampling, documentation of the actual recorded hours of engine operation since the previous emission test, and an estimate of the date of the next required sampling.

(3) For any gas turbine rated 500 hp or more, subparagraphs (A) and (B) of this paragraph shall apply.

(A) The emissions of NOx shall not exceed 3.0 g/hp-hr for gas-firing.

(B) The turbine shall meet all applicable NOx and sulfur dioxide (SO2) (or fuel sulfur) emissions limitations, monitoring requirements, and reporting requirements of EPA New Source Performance Standards Subpart GG--Standards of Performance for Stationary Gas Turbines. Turbine hp rating shall be based on turbine base load, fuel lower heating value, and International Standards Organization Standard Day Conditions of 59 degrees Fahrenheit, 1.0 atmosphere and 60% relative humidity.

(4) Any engine or turbine rated less than 500 hp or used for temporary replacement purposes shall be exempt from the emission limitations of paragraphs (2) and (3) of this Section . Temporary replacement engines or turbines shall be limited to a maximum of 90 days of operation after which they shall be removed or rendered physically inoperable.

(5) Gas fuel shall be limited to: sweet natural gas or liquid petroleum gas, fuel gas containing no more than ten grains total sulfur per 100 dry standard cubic feet, or field gas. If field gas contains more than 1.5 grains hydrogen sulfide or 30 grains total sulfur compounds per 100 standard cubic feet (sour gas), the engine owner or operator shall maintain records, including at least quarterly measurements of fuel hydrogen sulfide and total sulfur content, which demonstrate that the annual SO2 emissions from the facility do not exceed 25 tons per year (tpy). Liquid fuel shall be petroleum distillate oil that is not a blend containing waste oils or solvents and contains less than 0.3% by weight sulfur.

(6) There will be no violations of any National Ambient Air Quality Standard (NAAQS) in the area of the proposed facility. Compliance with this condition shall be demonstrated by one of the following three methods:

(A) ambient sampling or dispersion modeling accomplished pursuant to guidance obtained from the executive director. Unless otherwise documented by actual test data, the following nitrogen dioxide (NO2) /NOx ratios shall be used for modeling NO2 NAAQS;

Device	NO_x Emission Rate (Q) g/hp-hr	NO_2/NO_x Ratio
IC Engine	Less than 2.0	0.4
IC Engine	2.0 thru 10.0	0.15 + (0.5/Q)
IC Engine	Greater than 10.0	0.2
Turbines		0.25
IC Engine with catalytic converter		0.85

B) all existing and proposed engine and turbine exhausts are released to the atmosphere at a height at least twice the height of any surrounding obstructions to wind flow. Buildings, open-sided roofs, tanks, separators, heaters, covers, and any other type of structure are considered as obstructions to wind flow if the distance from the nearest point on the obstruction to the nearest exhaust stack is less than five times the lesser of the height, Hb, and the width, Wb, where:

Hb = maximum height of the obstruction, and
Wb = projected width of construction

2 square root of {(L x W)/(3.141)}

where:

L = length of obstruction
W = width of obstruction

(C) the total emissions of NOx (nitrogen oxide plus NO2) from all existing and proposed facilities on the property do not exceed the most restrictive of the following:

(i) 250 tpy;

(ii) the value (0.3125 D) tpy, where D equals the shortest distance in feet from any existing or proposed stack to the nearest property line.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER X: WASTE PROCESSES AND REMEDIATION
Section Section 106.531 - 106.534
Effective September 4, 2000

Section 106.531. Sewage Treatment Facility.

Sewage treatment facilities, excluding combustion or incineration equipment, land farms, or grease trap waste handling or treatment facilities are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.532. Water and Wastewater Treatment.

Water and wastewater treatment units are permitted by rule, provided the following conditions of this Section are met.

(1) The facility performs only the following functions:

(A) disinfection;

(B) softening;

(C) filtration;

(D) flocculation;

(E) stabilization;

(F) taste and odor control;

(G) clarification;

(H) carbonation;

(I) sedimentation;

(J) neutralization;

(K) chlorine removal;

(L) activated sludge treatment, anaerobic treatment, and associated control of gases from these treatments;

(M) aerobic oxidation/biodegration using oxygen or peroxide in the absence of nitrogen or other gas that would cause stripping of volaltile organic compounds (VOC) from the water;

(N) stripping VOC, ammonia, or other air contaminants from the water with air or other gas, provided the stripped gases are controlled with an abatement system that meets the requirements of Section 106.533(5) of this title (relating to Water and Soil Remediation). For ammonia or hydrogen chloride (HCl) or other acid gas emissions, abatement may include a water or caustic scrubbing system as a means of complying with this Section . Final emissions of HCl resulting from combustion of chlorine or chlorine-containing compounds shall not exceed 0.1 pounds per hour;

(O) liquid phase separation of VOC and water in which:

(i) the sum of the partial pressures of all species of VOC in any sample is less than 1.5 psia; or

(ii) the separator is enclosed and emissions are vented through an emission abatement system meeting the requirements specified previously for stripped VOC and ammonia;

(2) Chlorine or sulfur dioxide (SO2) shall be used only in containers approved by the United States Department of Transportation and emissions of chlorine or SO2 from treatment of water or decontamination of equipment at any water treatment plant shall not exceed ten tons per year.

(3) The following shall not be permitted by rule under this Section :

(A) gas stripping or aeration facilities where VOC or other air contaminants are stripped from water directly to the atmosphere;

(B) disposal facilities using land surface treatment;

(C) surface facilities associated with injection wells;

(D) cooling towers in which VOC or other air contaminants may be stripped to the atmosphere.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.533. Water and Soil Remediation.

Equipment used to reclaim or destroy chemicals removed from contaminated ground water, contaminated water condensate in tank and pipeline systems, or contaminated soil for the purpose of remedial action is permitted by rule, provided all the following conditions of this Section are satisfied.

(1) Applicability shall pertain to soil and water remediation at the property where the original contamination of the ground water or soil occurred or at a nearby property secondarily affected by the contamination, but not to any soil or water treatment facility where soils or water are brought in from another property. Such facilities are subject to Section 116.110 of this title (relating to Applicability).

(2) For treating groundwater or soil contaminated with petroleum compounds, the total emissions of petroleum hydrocarbons shall not exceed 1.0 pound per hour (lb/hr), except that benzene emissions also must meet the conditions of Section 106.262(3) and (4) of this title (relating to Facilities (Emission and Distance Limitations). For purposes of this Section , petroleum is considered to include:

(A) liquids or gases produced from natural formations of crude oil, tar sands, shale, coal and natural gas; or

(B) refinery fuel products to include fuel additives.

(3) For treating groundwater or soil contaminated with chemicals other than petroleum, emissions must meet the requirements of Section 106.262(2), (3), and (4) of this title. If the groundwater or soil is contaminated with both petroleum and other chemicals, the petroleum compound emissions must meet paragraph (2) of this Section and the other chemical emissions must meet the requirements of Section 106.262(2), (3), and (4) of this title. The emission of any chemical not having a Limit (L) Value in Table 262 of Section 106.262 of this title is limited to 1.0 lb/hr.

(4) The handling and processing (screening, crushing, etc.) of contaminated soil and the handling and conditioning (adding moisture) of remediated soil shall be controlled such that there are no visible emissions with the exception of moisture.
(5) If abatement equipment is used to meet paragraphs (2) and (3) of this Section , the equipment must satisfy one of the following conditions.

(A) The vapors shall be burned in a direct-flame combustion device (incinerator, furnace, boiler, heater, or other enclosed direct-flame device) operated in compliance with Section 106.493(2) and (3) of this title (relating to Direct Flame Incinerators (Previously SE 88)).

(B) The vapors shall be burned in a flare which meets the requirements of Section 106.492 of this title (relating to Flares (Previously SE 80)) and the requirements of 40 Code of Federal Regulations 60.18, which shall take precedence over Section 106.492 of this title in any conflicting requirements whether or not New Source Performance Standards apply to the flare.

(C) The vapors shall be burned in a catalytic oxidizer which destroys at least 90% of the vapors. An evaluation of oxidizer effectiveness shall be made at least weekly, using a portable flame or photoionization detector or equivalent instrument to determine the quantity of carbon compounds in the inlet and outlet of the catalytic oxidizer. Records of oxidizer performance shall be maintained in accordance with paragraph (7) of this Section .

(D) The vapors shall be routed through a carbon adsorption system (CAS) consisting of at least two activated carbon canisters that are connected in series. The system shall meet the following additional requirements.

(i) The CAS shall be sampled and recorded weekly to determine breakthrough of volatile organic compounds (VOC). Breakthrough is defined as a measured VOC concentration of 50 parts per million by volume (ppmv) in the outlet of the initial canister. The sampling point shall be at the outlet of the initial canister, but before the inlet to the second or final polishing canister. Sampling shall be performed while venting maximum emissions to the CAS (example: during loading of tank trucks, during tank filling, during process venting).

(ii) A flame ionization detector (FID) shall be used for VOC sampling. The FID shall be calibrated prior to sampling with certified gas mixtures (propane in air) of 10 ppmv ± 2.0% and of 100 ppmv ± 2.0%.

(iii) When the VOC breakthrough is measured, the waste gas flow shall be switched to the second canister immediately. Within four hours of detection of breakthrough, a fresh canister shall be placed as the new final polishing canister. Sufficient fresh activated carbon canisters shall be maintained at the site to ensure fresh polishing canisters are installed within four hours of detection of breakthrough.

(iv) Records of the CAS monitoring maintained at the plant site shall include, but are not limited to, the following:

(I) sample time and date;

(II) monitoring results (ppmv);

(III) corrective action taken, including the time and date of the action; and

(IV) process operations occurring at the time of sampling.

(v) The registration shall include a demonstration that activated carbon is an appropriate choice for control of the organic compounds to be stripped.

(6) Before construction of the facility begins, the facility shall be registered with the commission's Office of permitting, Remediation, and Registration in Austin using Form PI-7. The registration shall contain specific Information concerning the basis (measured or calculated) for the expected emissions from the facility. The registration shall also explain details as to why the emission control system can be expected to perform as represented.

(7) Records required by applicable paragraphs of this Section shall be maintained at the site and made available to personnel from the commission or any local agency having jurisdiction. These records shall be made available to representatives of the commission and local programs upon request and shall be retained for at least two years following the date that the data is obtained.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.534. Municipal Solid Waste Landfills and Transfer Stations**.**

Municipal solid waste landfills and waste transfer stations operating in compliance with the Texas Solid Waste Disposal Act are exempt.
Adopted August 9, 2000 Effective September 4, 2000

Permit by Rule, Chapter 106 - September 4, 2000

30 TAC Chapter 106 - Exemptions from Permitting

SUBCHAPTER A: GENERAL REQUIREMENTS
Section Section 106.1, 106.2, 106.4, 106.5, 106.6, 106.13
Effective September 4, 2000

Section 106.1. Purpose.

This chapter identifies certain types of facilities or changes within facilities which the commission has determined will not make a significant contribution of air contaminants to the atmosphere pursuant to the Texas Health and Safety Code, the Texas Clean Air Act (TCAA), Section 382.057 and Section 382.05196.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.2. Applicability.

This chapter applies to certain types of facilities or changes within facilities listed in this chapter where construction is commenced on or after the effective date of the relevant permit by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.4. Requirements for Permitting by Rule.

(a) To qualify for an exemption, the following general requirements must be met.

(1) Total actual emissions authorized under permit by rule from the facility shall not exceed 250 tons per year (tpy) of carbon monoxide (CO) or nitrogen oxides (NOx); or 25 tpy of volatile organic compounds (VOC) or sulfur dioxide (SO2) or inhalable particulate matter (PM10); or 25 tpy of any other air contaminant except carbon dioxide, water, nitrogen, methane, ethane, hydrogen, and oxygen.

(2) Any facility or group of facilities, which constitutes a new major stationary source, as defined in Section 116.12 of this title (relating to Nonattainment Review Definitions), or any modification which constitutes a major modification, as defined in Section 116.12 of this title, under the new source review requirements of the Federal Clean Air Act (FCAA), Part D (Nonattainment) as amended by the FCAA
Amendments of 1990, and regulations promulgated thereunder, must meet the permitting requirements of Chapter 116, Subchapter B of this title (relating to New Source Review Permits) and cannot qualify for a permit by rule under this chapter. Persons claiming a permit by rule under this chapter should see the requirements of Section 116.150 of this title (relating to New Major Source or Major Modification in Ozone Nonattainment Areas) to ensure that any applicable netting requirements have been satisfied.

(3) Any facility or group of facilities, which constitutes a new major stationary source, as defined in 40 Code of Federal Regulations (CFR) Section 52.21, or any change which constitutes a major modification, as defined in 40 CFR Section 52.21, under the new source review requirements of the FCAA, Part C (Prevention of Significant Deterioration) as amended by the FCAA Amendments of 1990, and
regulations promulgated thereunder, must meet the permitting requirements of Chapter 116, Subchapter B of this title and cannot qualify for a permit by rule under this chapter.

(4) Unless at least one facility at an account has been subject to public notification and comment as required in Chapter 116, Subchapter B or Subchapter D of this title (relating to New Source Review Permits or Permit Renewals), total actual emissions from all facilities permitted by rule at an account shall not exceed 250 tpy of CO or NO x ; or 25 tpy of VOC or SO2 or PM10 ; or 25 tpy of any other air contaminant except carbon dioxide, water, nitrogen, methane, ethane, hydrogen, and oxygen.

(5) Construction or modification of a facility commenced on or after the effective date of a revision of this Section or the effective date of a revision to a specific permit by rule in this chapter must meet the revised requirements to qualify for a permit by rule.

(6) A facility shall comply with all applicable provisions of the FCAA, Section 111 (Federal New Source Performance Standards) and Section 112 (Hazardous Air Pollutants), and the new source review requirements of the FCAA, Part C and Part D and regulations promulgated
thereunder.

(7) There are no permits under the same commission account number that contain a condition or conditions precluding the use of a permit by rule under this chapter.

(b) No person shall circumvent by artificial limitations the requirements of Section 116.110 of this title (relating to Applicability).

(c) The emissions from the facility shall comply with all rules and regulations of the commission and with the intent of the TCAA, including protection of health and property of the public, and all emissions control equipment shall be maintained in good condition and operated properly during operation of the facility.

(d) Facilities permitted by rule under this chapter are not exempted from any permits or registrations required by local air pollution control agencies. Any such requirements must be in accordance with TCAA, Section 382.113 and any other applicable law.
Adopted March 7, 2001 Effective March 29, 2001

Section 106.5. Public Notice.

(a) Any registration subject to this chapter that is declared administratively complete on or after September 1, 1999 is subject to the current version of this chapter. Any registration that is declared administratively complete before September 1, 1999 is subject to the December 24, 1998 version of this chapter, and that version of this chapter is continued in effect for this purpose.

(b) Facilities constructed under this chapter that consist of permanently or temporarily located concrete plants that accomplish wet batching, dry batching, or central mixing, or specialty wet batch, concrete, mortar, grout mixing, or pre-cast concrete products, shall conduct public notice of the proposed construction unless exempted from public notice requirements by TCAA, Section 382.058(b). In all
cases, public notice shall comply with the requirements under Chapter 39 of this title (relating to Public Notice) and public articipation shall be subject to Chapter 55 of this title (relating to Requests for Reconsideration and Contested Case Hearing; Public Comment).
Adopted September 2, 1999 Effective September 23, 1999

Section 106.6. Registration of Emissions.

(a) An owner or operator may certify and register the maximum emission rates from facilities exempted under this chapter in order to establish enforceable allowable emission rates which are below the emission limitations in 106.4 of this title (relating to Requirements for Exemption from Permitting).

(b) All representations with regard to construction plans, operating procedures, and maximum emission rates in any certified registration under this Section become conditions upon which the exempt facility shall be constructed and operated.

(c) It shall be unlawful for any person to vary from such representation if the change will cause a change in the method of control of emissions, the character of the emissions, or will result in an increase in the discharge of the various emissions, unless the certified registration is first revised.

(d) The certified registration must include documentation of the basis of emission estimates and a written statement by the registrant certifying that the maximum emission rates listed on the registration reflect the reasonably anticipated maximums for operation of the facility.

(e) The certified registration shall be maintained on-site and be provided immediately upon request by representatives of the Texas Natural Resource Conservation Commission or any air pollution control agency having jurisdiction. If the plant site is unmanned, the regional manager may authorize an alternative site to maintain this documentation. Copies of the certified registration shall be included in applications for permits subject to review under the undesignated heads in Chapter 116, 30 TAC 106 - Subchapter B of this title (relating to New Source Review Permits).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.13. References to Standard Exemptions and Exemptions from Permitting.

The authorizations formerly known as standard exemptions and exemptions from permitting are referred to as permits by rule in this title. Types of facilities and changes within facilities authorized by those standard exemptions and exemptions from permitting continue to be authorized unless modifications or changes to those facilities has caused them to no longer meet the conditions of the former standard exemption or exemption from permitting and the general requirements of this subchapter.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER C : DOMESTIC AND COMFORT HEATING AND COOLING
Section Section 106.101 - 106.103
Effective September 4, 2000

Section 106.101. Domestic Use Facilities.

Any facility constructed and operated at a domestic residence for domestic use is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.102. Comfort Heating.

This Section permits by rule combustion units designed and used exclusively for comfort heating purposes employing liquid petroleum gas, natural gas, solid wood, or distillate fuel oil. Distillate fuel oil includes diesel fuel, kerosene, and heating oil Grades 4 and lighter. Distillate fuel oil does not include heavier residual oils such as Grades 5 and 6 fuel oil. Combustion of bark chips, sawdust, wood chips, treated wood, or wood contaminated with chemicals is not included. Used oil that has not been mixed with hazardous waste may be used as fuel in space heaters provided that:

(1) the space heater or combination of space heaters at the same account have a maximum capacity of 1.0 Million Btu per hour (MMBtu/hr) provided each individual heater is not greater than 0.5 MMBtu/hr;

(2) the combustion gases from the heater(s) are vented to the ambient air in accordance with the following requirements:

(A) through an unobstructed vertical vent; or

(B) for a stack with a cap;

(i) for a flat roof, through a minimum of a three-foot stack; or

(ii) for a sloped roof, through a stack that is three feet higher than a point extending ten feet horizontally from the roof; and

(3) the heater(s) burns only used oil that the owner or operator generates on-site or used oil received from household do-it-yourself used oil generators.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.103. Air Conditioning and Ventilation Systems.

Comfort air conditioning systems or comfort ventilating systems which are not used to remove air contaminants generated by or released from specific units of equipment are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER D : ANALYSIS AND TESTING
Section Section 106.121 - 106.124
Effective September 4, 2000

Section 106.121. Hydraulic and Hydrostatic Testing Equipment.

Equipment used for hydraulic or hydrostatic testing is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.122. Bench Scale Laboratory Equipment.

Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analyses are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.123. Vacuum-producing Devices for Laboratory Use.

Vacuum-producing devices used in laboratory operations are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.124. Pilot Plants.

Any new or modified pilot plant is permitted by rule, provided the following conditions of this Section are met.

(1) For purposes of this Section , a pilot plant is defined as a facility that is constructed and operated only for one of the following purposes:

(A) testing the manufacturing or marketing potential of a proposed product; or

(B) defining the design of a larger plant; or

(C) studying the behavior of an existing plant through modeling in the pilot plant.

(2) The sum of product, co-product, and by-product production design capacity from the pilot plant shall not exceed five million pounds per year.

(3) Operation of the pilot plant for purposes of testing market potential of a product, co-product, or by-product may not occur beyond the end of the fifth calendar year from the year of initial production (year 1) of the specific product, co-product, or by-product, unless a permit is obtained under Section 116.110 of this title (relating to Applicability). This five-year limit on pilot plant activity applies to equipment devoted to development of one specific product or process; therefore, that equipment can be subsequently used for development of other process(es) or product(s), setting a new time limit for its use.

(4) The pilot plant shall be located at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.

(5) New or increased emissions shall not exceed 6.0 pounds per hour (lb/hr) and ten tons per year in total (including fugitives) and shall not exceed 1.0 lb/hr at any single stack (excluding fugitives). In addition, total new or increased emissions of each specific chemical shall not exceed the most stringent applicable requirement of the following:

(A) the chemical-specific emission limits determined by Section 106.262(3) of this title (relating to Facilities (Emission and Distance Limitations));

(B) the chemical-specific emission limits determined by Section 106.261(4) of this title (relating to Facilities (Emission Limitations)); or

(C) 6.0 lb/hr for any simple asphyxiant as defined by the American Conference of Governmental Industrial Hygienists.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER E: AGGREGATE AND PAVEMENT
Section Section 106.141 - 106.150
Effective September 4, 2000

Section 106.141. Batch Mixers.

Batch mixers with rated capacity of five cubic feet or less for mixing cement, sand, aggregate, additives, and/or water or similar materials are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.142. Rock Crushers.

Any rock crusher with a maximum rated capacity of 200 tons per hour or less that operates according to the following conditions of this Section is permitted by rule:

(1) operating schedule of the plant does not exceed 1,600 hours per year;

(2) all in-plant haul roads and stockpiles are sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions;

(3) water sprays are located at all belt transfer points, shaker screens, and inlet and outlet of all crushers and used as necessary to achieve maximum control of dust emissions;

(4) the plant is located at least 1/2 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located;

(5) the plant is located at least 1,000 feet from any state or federal highway not currently under maintenance or construction;

(6) before construction of the facility begins, written site approval is received from the executive director and the facility shall be registered with the commission using Form PI-7, including a current Table 17.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.143. Wet Sand and Gravel Production.

Any wet sand and gravel production facility that obtains its material from subterranean and subaqueous beds where the deposits of sand and gravel are consolidated granular materials resulting from natural disintegration of rock and stone and whose production rate is 500 tons per hour or less is permitted by rule. All permanent in-plant roads shall be paved and cleaned as necessary or watered as necessary to achieve maximum control of dust emissions.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.144. Bulk Mineral Handling.

All bulk mineral product (except asbestos) handling facilities that operate in compliance with the following conditions of this Section are permitted by rule.

(1) All material shall be transported in a closed conveying system and all exhaust air to the atmosphere shall be vented through a fabric filter having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with automatic air cleaning.

(2) All permanent in-plant roads and vehicle work areas shall be watered, treated with dust-suppressant chemicals, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(3) The facility (including associated stationary equipment and stockpiles) shall be located at least 300 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the property upon which the facility is located.

(4) Before construction begins, written site approval must be received from the executive director and the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.

Adopted August 9, 2000 Effective September 4, 2000

Section 106.145. Bulk Sand Handling.

All oil well servicing bulk sand handling facilities that operate according to the following conditions of this Section are permitted by rule.

(1) All sand shall be prewashed.

(2) All handling of sand shall be mechanical or, if conveyed pneumatically, the conveying air shall be vented to the atmosphere through a fabric filter(s) having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with air cleaning.

(3) All permanent in-plant roads and vehicle work areas shall be watered, treated with dust- suppressant chemicals, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(4) The facility (including associated stationary equipment and stockpiles) shall be located at least 300 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the property upon which the facility is located.

(5) Before construction begins, the owner or operator shall file with the commission's Office of Permitting, Remediation, and Registration in Austin a completed Form PI-7 and supporting documentation demonstrating that all of the requirements of the permit by rule will be met.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.146. Soil Stabilization Plants.

Any soil stabilization facility that operates according to the following conditions of this Section is permitted by rule.

(1) All bulk storage silos shall be equipped with fabric filter(s) having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with automatic air cleaning.

(2) All conveyor belts transferring dry material to the pug mill shall be top covered.

(3) The pug mill used to mix the materials shall be covered.

(4) All permanent in-plant roads and vehicle work areas shall be watered, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(5) An audible and/or visible mechanism shall be installed on the storage silo(s) to notify operators that the silo is full.

(6) All stockpiles shall be sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions.

(7) When emulsified asphalt is used as the stabilizing admixture, the emulsified asphalt shall be stored in a container used exclusively for emulsified asphalt storage. Transfer of emulsified asphalt from the storage tank to the pug mill shall be accomplished by means of a pump and metering device.

(8) Before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Permitting, Remediating, and Registration in Austin using Form PI-7.

(9) The facility shall be located at least 300 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located. This distance limitation does not apply to structures within the boundaries of the project for which the facility is to process stabilized soil when the facility is located on or contiguous to the project.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.147. Asphalt Concrete Plants.

Any asphalt concrete facility that complies with 40 Code of Federal Regulations Part 60, Subparts A and I and operates according to the following conditions of this Section is exempt.

(1) A New Source Performance Standard pretest meeting concerning the required stack sampling shall be held with commission personnel before the required tests are performed. Air contaminants to be tested for will be determined at the pretest meeting. Stack sampling requirements will not be required by the executive director, provided that:

(A) the applicant submits adequate documentation (including copies of previous test results of the model hot mix plant proposed, including a description of the aggregate materials used in previous tests) demonstrating compliance with the 0.04 grain per dry standard cubic feet allowable;

(B) visible emissions from the exhaust stack are documented at 5.0% or less opacity averaged over six consecutive minutes.

(2) Fuel for dryers shall be sweet natural gas as defined in Chapter 101 of this title (relating to General Rules) or liquid petroleum gas, diesel, or fuel oil with a maximum sulfur content of 1.5%.

(3) All aggregate stockpiles shall be sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions.

(4) All permanent in-plant roads shall be watered, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(5) The plant is located at least 1/2 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.

(6) Before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7, including a current Table 22.

(7) Emissions of particulate matter, sulfur dioxide, or organic compounds shall not exceed 25 tons per year each. Adopted August 9, 2000 Effective September 4, 2000

Section 106.148. Material Unloading.

Railcar or truck unloading of wet sand, gravel, aggregate, coal, lignite, and scrap iron or scrap steel (but not including metal ores, metal oxides, battery parts, or fine dry materials) into trucks or other railcars for transportation to other locations is permitted by rule, provided the following conditions of this Section are met.

(1) Bulk materials shall not be stored on-site.

(2) Water sprays or the equivalent must be installed and used as necessary at material handling operations to achieve maximum control of dust emissions.

(3) All permanent in-plant roads and vehicle work areas shall be watered, treated with dust-suppressant chemicals, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.149. Sand and Gravel Processing.

Any sand and gravel production facility that obtains its material from deposits of sand and gravel consisting of natural disintegration of rock and stone is permitted by rule, provided that the ollowing conditions of this Section are satisfied:

(1) crushing or breaking operations are not used;

(2) no blasting is conducted to obtain the material;

(3) water sprays are installed on the plant at all screens and transfer points and used as necessary to achieve maximum control of dust emissions;

(4) the area where the sand and gravel is obtained shall be sprinkled with water as necessary to achieve maximum control of dust emissions before the material is removed and transported for processing;

(5) all in-plant roads shall be paved and cleaned or sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions;

(6) the plant is located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located;

(7) the production rate is 50 tons per hour or less.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.150. Asphalt Silos.

Any silo used to store hot mix asphalt or asphalt emulsion concrete mixtures which meets the following conditions of this Section is permitted by rule:

(1) no cutback asphalt mixtures are stored;

(2) for silos on location for more than six months, all truck traffic areas are paved and cleaned as necessary to achieve maximum control of dust emissions and for those silos on location for six months or less, the truck traffic areas are sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions;

(3) fuel used for heating the silo is sweet natural gas as defined in Chapter 101 of this title (relating to General Air Quality Rules) or liquid petroleum gas or first run refinery grade diesel or Number 2 fuel oil that is not a blend containing waste oils or solvents and that contains less that 0.5% by weight sulfur;

(4) the silo(s) is located at least 300 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the property upon which the silo(s) is located;

(5) before construction begins, written site approval is received from the executive director and the facility is registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER F : ANIMAL CONFINEMENT
Section Section 106.161 - 106.163
Effective September 4, 2000

Section 106.161. Animal Feeding Operations.

Animal feeding operations which confine animals in numbers specified in paragraph (1) of this Section and any associated on-site feed handling and/or feed milling operations which satisfy the following conditions of this Section are permitted by rule.

(1) Operations designed to feed no more than:

(A) 1,000 cattle;

(B) 1,000 horses and mules;

(C) 2,500 swine weighing more than 55 pounds;

(D) 10,000 sheep and goats; or

(E) 1,000 animal equivalents.

(2) Where a combination of cattle, swine weighing over 55 pounds, horses and mules, or sheep and goats are present, animal equivalents shall be calculated by adding the following numbers.

1.0 x (number of cattle)
+ 0.4 x (number of swine weighing over 55 pounds)
+ 2.0 x (number of horses and mules)
+ 0.1 x (number of sheep and goats)
==========
Total = animal equivalents.

(3) In determining the number of animals or animal equivalents, mothers with nursing young shall be counted as a single animal while the young are nursing. Once removed from the mother, the young animals shall be counted when determining the number of animals or animal equivalents. Swine weighing 55 pounds or less shall be allowed, but not counted in determining the number of animals or animal equivalents. Animals on pasture are not considered as part of the animal feeding operation.

(4) Operations designed to feed no more than 55,000 turkeys or other birds, excluding ducks, concentrated on open lots.

(5) Operations designed to feed no more than 5,000 ducks.

(6) All caged poultry operations designed to feed no more than 30,000 birds.

(7) All housed poultry operations when wood shavings or similar material is used as litter.

(8) All caged poultry operations designed to feed more than 30,000 birds when a dry manure storage and handling system is used and when located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the egg laying or caged pullet operation. Before construction of the caged laying and caged pullet operations begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration using Form PI-7.

(9) For the associated on-site feed handling and/or feed milling operations to be covered under this Section , no products from the feed handling and or feed milling shall be shipped off-site.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.162. Livestock Auction Facilities.

Livestock auction sales facilities are permitted by rule, provided the following conditions of this Section are satisfied.

(1) All holding pens shall be covered by a roof.

(2) All traffic areas shall be paved and cleaned, oiled, or sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions.

(3) Manure shall be cleaned from pens as necessary to prevent an odor nuisance and disposed of in a manner which will not create a nuisance.

(4) Dead animals shall be properly disposed of within 24 hours after death.

(5) The facility shall be located at least 600 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of this facility.

(6) Before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.163. Race Tracks, Zoos, and Animal Shelters.

All animal racing facilities, domestic animal shelters, zoos, and their associated confinement areas, stables, feeding areas, and waste collection and treatment facilities are permitted by rule. Incineration units are not authorized under this Section .
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER G: COMBUSTION
Section Section 106.181 - 106.183
Effective September 4, 2000

Section 106.181. Used-Oil Combustion Units.

Small boilers and heaters burning used oil that has not been mixed with hazardous waste are permitted by rule provided that all of the following conditions are met:

(1) the combustion unit or combination of combustion units at the same account have a maximum capacity of 1.0 million Btu per hour (MMBtu/hr) and each individual combustion unit is not greater than 0.5 MMBtu/hr;

(2) the combustion gases from the combustion unit(s) are vented to the ambient air in accordance with the following requirements:

(A) through an unobstructed vent; or

(B) through a vertical vent with a cap; and

(i) a flat roof, through a minimum of a three-foot stack; or

(ii) a sloped roof, through a stack that is at least three feet higher than the highest point on the roof or three feet higher than a point extending ten feet horizontally from the roof; and

(3) the combustion unit(s) burns only used oil the owner or operator generates on-site or used oil received from household do-it-yourself used oil generators.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.182. Ceramic Kilns.

Kilns used for firing ceramic ware, heated exclusively by natural gas, liquid petroleum gas, electricity, or any combination thereof are permitted by rule where the conditions of this Section are met:

(1) the total heat input is ten million British thermal units per hour or less; and

(2) there are no emissions of lead, beryllium, or fluorides, and emissions of sulfur dioxide and particulate matter from both the material being fired and fuel burned do not exceed 25 tons per year of either air contaminant.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.183. Boilers, Heaters, and Other Combustion Devices.

Boilers, heaters, drying or curing ovens, furnaces, or other combustion units, but not including stationary internal combustion engines or turbines are permitted by rule, provided that the following conditions are met.

(1) The only emissions shall be products of combustion of the fuel.

(2) The maximum heat input shall be 40 million British thermal unit (Btu) per hour with the fuel being:

(A) sweet natural gas;

(B) liquid petroleum gas;

(C) fuel gas containing no more than 0.1 grain of total sulfur compounds, calculated as sulfur, per dry standard cubic foot; or

(D) combinations of the fuels in subparagraphs (A) - (C) of this paragraph.

(3) Distillate fuel oil shall be fired as a backup fuel only. Firing shall be limited to 720 hours per year. The fuel oil shall contain less than 0.3% sulfur by weight and shall not be blended with waste oils or solvents.

(4) All gas fired heaters and boilers with a heat input greater than ten million Btu per hour (higher heating value) shall be designed such that the emissions of nitrogen oxides shall not exceed 0.1 pounds per million Btu heat input.

(5) Records of hours of fuel oil firing and fuel oil purchases shall be maintained on-site on a two-year rolling retention period and made available upon request to the commission or any local air pollution control agency having jurisdiction.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER H : CONCRETE BATCH PLANTS
Section Section 106.201 - 106.203
Effective September 4, 2000

Section 106.201 Permanent and Temporary Concrete Batch Plants

Any permanently or temporarily located concrete plant that accomplishes wet batching, dry batching, or central mixing, and operates in compliance with the following conditions of this Section is exempt. For purposes of this Section , a temporarily located concrete facility is one that occupies a designated site for not more than 180 consecutive days or supplies concrete for a single public works project or for the same contractor for related project segments, but not other unrelated projects.

(1) All stockpiles shall be sprinkled with water and/or dust-suppressant chemicals as necessary to achieve maximum control of dust emissions. The stockpile sprinkler system shall be operable at all times.

(2) A mechanism shall be installed on each bulk storage silo to warn operators when the silo is full.

(3) All permanent in-plant roads (batch truck and material delivery truck roads) shall be paved with a cohesive hard surface that can be repeatedly swept, washed, and maintained intact and cleaned as necessary to achieve maximum control of dust emissions. All batch trucks and material delivery trucks shall remain on a paved surface when entering, conducting primary functions, and leaving the property. Other areas on the property subject to vehicle traffic shall be watered, treated with dust-suppressant chemicals, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(4) The cement weigh hopper shall be vented to its own fabric filter or the central collection system specified in paragraph (6) of this Section .

(5) All bulk storage silos shall be equipped with fabric filter(s) having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with automatic air cleaning or shall be vented to the central collection system specified in paragraph (6) of this Section .

(6) The dust emissions at the batch drop point (drum feed for central mix plants) shall be controlled by a shroud or other pickup device delivering a minimum of 4,000 actual cubic feet per minute of air to a fabric filter with automatic air cleaning and a 7.0 ft/min maximum filtering velocity, or automatic sequenced mechanical cleaning (not manually activated) and a 5.25 ft/min maximum filtering velocity.

(7) Unless the facility is to be located temporarily in or contiguous to the right-of-way of a public works project, public notice and opportunity for public hearing, as specified in Section 106.5 of this title (relating to Public Notice), must be published and documentation provided to the commission. A temporarily located plant exempt from public notice may provide concrete for the same contractor for project segments with the same governmental entity, but may not produce concrete for other unrelated projects or other governmental entities.

(8) Spillage of cement and fly ash used in the batch shall be cleaned up immediately and contained or dampened so that dust emissions from wind erosion and/or vehicle traffic are minimized.

(9) All open-bodied vehicles transporting material from a dry batch plant to the paving mixer(s) shall be loaded with a final layer of wet sand and/or the truck shall be covered with a tarp to reduce the emissions of dust to the minimum level possible under existing conditions.

(10) Before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7, including a current Table 20.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.202 Temporary Concrete Batch Plants

Any temporarily located concrete facility that accomplishes wet batching, dry batching, or central mixing and operates according to the following conditions of this Section is exempt. For purposes of this Section , a temporarily located concrete facility is one that occupies a designated site for not more than 180 consecutive days or supplies concrete for a single public works project or for the same contractor for related project segments, but not other unrelated projects.

(1) All bulk storage silos, including auxiliary bulk storage trailers (pigs), shall be equipped with fabric filter(s) having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with automatic air cleaning or are vented to the central collection system specified in paragraph (6) of this Section .

(2) The cement weigh hopper shall be vented to a control device which eliminates visible emissions or vented inside the charging hopper of the transit mix truck if controlled by a suction shroud.

(3) A visible and/or audible warning mechanism shall be installed on each silo or auxiliary bulk storage trailer to warn operators that the silo or trailer (pig) is full.

(4) All in-plant roads (batch truck and material delivery truck roads) and areas between stockpiles and conveyor hoppers shall be watered, treated with dust-suppressant chemicals, oiled, or paved with a cohesive hard surface that can be repeatedly swept, washed, and maintained intact and cleaned as necessary to achieve maximum control of dust emissions.

(5) All stockpiles shall be sprinkled with water and/or dust-suppressant chemicals as necessary to achieve maximum control of dust emissions. An operable stockpile watering system shall be on-site at all times.

(6) Loading of rotary mix trucks at wet batch plants shall be through a discharge spout equipped with a water fog ring having low-velocity fog nozzles spaced to create a continuous fog curtain that controls dust emissions, or through a suction shroud which is vented to a central collection system with a minimum of 4,000 actual cubic feet per minute (acfm) of air to a fabric filter with air cleaning and a 7.0 ft/min maximum filtering velocity or automatic sequenced mechanical cleaning and a 5.25 ft/min maximum filtering velocity.

(7) Dust emissions from the loading of open-bodied trucks at the batch drop point of dry batch plants, or dust emissions from the drum feed for central mix plants shall be controlled by a suction shroud which is vented to a central collection system with a minimum of 4,000 acfm of air to a fabric filter with air cleaning and a 7.0 ft/min maximum filtering velocity or automatic sequenced mechanical cleaning (not manually activated) and a 5.25 ft/min maximum filtering velocity. Suction shrouds at dry batch plants shall be used for closure over the receiving vehicle compartment or bed.

(8) Spillage of cement and fly ash used in the batch shall be cleaned up immediately and contained or dampened so that dust emissions from wind erosion and/or vehicle traffic are minimized.

(9) The facility (including associated stationary equipment and stockpiles) shall be located at least 300 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the property upon which the facility is located. This distance limitation does not apply to structures within the boundaries of the project for which the facility is to pour concrete when the facility is located on or contiguous to the project.

(10) Unless the facility is to be located temporarily in or contiguous to the right-of-way of a public works project, public notice and opportunity for public hearing, as specified in Section 106.5 of this title (relating to Public Notice), must be published and documentation provided to the commission. The temporarily located plant exempt from public notice may provide concrete for the same contractor for project segments with the same governmental entity, but may not produce concrete for other unrelated projects or other governmental entities.

(11) All open-bodied vehicles transporting material from a dry batch plant to the paving mixer(s) shall be loaded with a final layer of wet sand and/or the truck shall be covered with a tarp to reduce the emissions of dust to the minimum level possible under existing conditions.

(12) Before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7, including a current Table 20. The current Table 20 shall be on file at each plant site.

(13) The appropriate regional office and local air pollution agency shall be notified when the plant changes location and prior to starting operations at each plant site.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.203 Specialty Batch Plants

Any specialty wet batch, concrete, mortar, grout mixing, or pre-cast concrete products plant that operates according to the following conditions of this Section is exempt.

(1) Plant capacity shall not exceed 30 cubic yards per hour with mixer size not to exceed 2.5 cubic yards.

(2) All stockpiles are sprinkled with water and/or chemicals as necessary to achieve maximum control of dust emissions.

(3) Dust emissions at the batch mixer feed shall be controlled by a water spray device which eliminates visible emissions, or a pickup device delivering air to a fabric filter with automatic air cleaning and a 7.0 feet per minute (ft/min) maximum filtering velocity, or automatic sequenced mechanical cleaning and a 5.25 ft/min maximum filtering velocity, or the entire mixing operation is conducted inside the enclosed process building such that no visible emissions from the building occur during mixing activities, or the batch mixer feed is enclosed such that no visible emissions occur.

(4) Fabric filter(s) with a maximum filtering velocity of 4.0 ft/min with an acceptable method of cleaning shall be installed on each storage silo or the silo shall be vented to the control collection system.

(5) A visible and/or audible warning mechanism shall be installed on each silo for warning operators that the silo is full, so that it will not be overloaded at any time.

(6) All permanent in-plant roads (batch truck and material delivery truck roads) are oiled or paved and cleaned as necessary to achieve maximum control of dust emissions. Other areas on the property subject to vehicle traffic shall be oiled or sprinkled with water as necessary to achieve maximum control of dust emissions.

(7) The transfer of cement from the storage silo(s) shall be handled through closed conveying systems with no visible fugitive emissions.

(8) The cement weigh hopper shall be vented to a control device which eliminates visible emissions, or shall be vented inside the batch mixer.

(9) Good housekeeping measures shall be maintained at all times.

(10) Before construction of the facility begins, written site approval is received from the executive director and the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7, including a current Table 20.

(11) Unless the plant is to be located temporarily in the right-of-way of a public works project, public notice and opportunity for public hearing, as specified in Section 106.5 of this title (relating to Public Notice), has been published and documentation thereof has been provided to the commission.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER I : MANUFACTURING
Section Section 106.221, 106.223 - 106.229, 106.231
Effective September 4, 2000

Section 106.221. Extrusion Presses.

Presses used exclusively for extruding metals, minerals, plastics, rubber, or wood are permitted by rule except where halogenated carbon compounds or hydrocarbon solvents are used as foaming agents. Presses used for extruding scrap materials or reclaiming scrap materials are not permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.223. Saw Mills.

Sawmills processing no more than 25 million board feet, green lumber tally of wood per year, in which no mechanical drying of lumber is performed and which meet all of the following provisions of this Section are permitted by rule.

(1) The mill shall be located at least 500 feet from any recreational area, school, residence, or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.

(2) All in-plant roads and vehicle work areas shall be watered, oiled, or paved and cleaned as necessary to achieve maximum control of dust emissions.

(3) All sawmill residues (sawdust, shavings, chips, bark) from debarking, planing, saw areas, etc., shall be removed or contained to minimize fugitive particulate emissions. Spillage of wood residues shall be cleaned up as soon as possible and contained such that dust emissions from wind erosion and/or vehicle traffic are minimized.

(4) All sawmill residues shall be mechanically conveyed by belts and/or drag chains to a collection area for disposal or if a pneumatic collection system is utilized, the air must exhaust to a fabric or cartridge filter with air cleaning and a filtering velocity no greater than 7.0 ft/min (air-to-cloth ratio = 7.0), or automatic sequenced mechanical cleaning and a filtering velocity no greater than 5.0 ft/min (airto-cloth ratio = 5.0), or a system found to be equivalent by the appropriate regional office.

(5) Disposal of collected sawmill residues must be accomplished in a manner which will prevent the material from becoming airborne. Disposal by means of burning is prohibited unless it is conducted in an approved incinerator.

(6) All open-bodied vehicles transporting sawmill residues (sawdust, shavings, chips, bark) shall be covered with a tarp to achieve maximum control of particulate emissions.

(7) There will be no visible emissions at the property line from the facility or equipment.

(8) Before construction of the facility begins, written site approval must be received from the director of the commission's Office of Permitting, Remediation, and Registration in Austin and the facility shall be registered with that office using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.224. Aerospace Equipment and Parts Manufacturing.
Any new aerospace equipment and parts manufacturing plant, or physical and operational change to an existing aerospace equipment and parts manufacturing plant are permitted by rule, provided that the following conditions of this Section are satisfied.

(1) For purposes of this Section , aerospace equipment and parts manufacturing plant means the entire operation on the property which engages in the fabrication or assembly of parts, tools, or completed components of any aircraft, helicopter, dirigible, balloon, missile, drone, rocket, or space vehicle. This permit by rule will not include composite aerospace equipment and parts manufacturing plants. Composite plants are defined to be plants whose products are less than 50% metal, by weight, based on annual production figures. This definition excludes those operations specifically authorized by other permits by rule. For example, a boiler would not be considered a part of the aerospace manufacturing plant, but could be authorized under Section 106.181 of this title (relating to Small Boilers, Heaters, and Other Combustion Devices), if all pertinent requirements were met.

(2) Emission points associated with the aerospace equipment and parts manufacturing plant or changes to that plant shall be located at least 100 feet from any off-plant receptor. Off-plant receptor means any recreational area or residence or other structure not occupied or used solely by the owner or operator of the aerospace equipment and parts manufacturing plant or the owner of the property upon which the aerospace plant is located. Controlled access recreational areas owned by the property owner or the owner or operator of the aerospace plant are not off-plant receptors.

(3) The total annual emissions, in tons per year, of the following air contaminants authorized under this Section , on a cumulative basis, from the entire aerospace manufacturing plant shall not exceed the values specified:

(A) inhalable particulate matter - five tons per year (tpy);

(B) volatile organic compounds (VOC) - 15 tpy;

(C) acid gases or vapors - five tpy;

(D) non-VOC carbon compound emissions - ten tpy;

(E) total of air contaminants in subparagraphs (A) - (D) of this paragraph - 25 tpy.

(4) Hourly emissions of total new or increased emissions, including fugitives, of particulate matter or chemicals listed or referenced in Table 262 of Section 106.262 of this title (relating to Facilities (Emission Distance Limitations)), shall not exceed the hourly emission rate, E, as determined using the equation, E = L/K lb/hr and Table 224A, where:

E = maximum allowable hourly emission, lb/hr,
L = limit value (see Table 262), milligrams per cubic meter,
K = value from Table 224A (interpolate intermediate values), and
D = distance to the nearest off-plant receptor from the closest affected emission point.

TABLE 224A

D,Feet	K
100	326
200	200
300	139
400	104
500	81
600	65
700	54
800	46
900	39
1,000	34
2,000	14
3,000 or more	8

(5) Before construction or change in operation begins, registration shall be submitted to the commission's Office of Permitting, Remediation, and Registration in Austin using a completed Form PI-7. The emission data provided in the PI-7 shall include all process emission sources at the plant, both existing and proposed, and shall be the maximum allowed emissions for permitted units, the actual emissions for existing grandfathered units or units permitted by rule, and the projected maximum allowable emissions for proposed units. Emissions shall be speciated by chemical compound and the stack parameters, as appropriate, for each emission source shall be provided. Registration shall include a description of the project, calculations, and data identifying specific chemical names, "L" values, "D" values, and a description of pollution control equipment, if any.

(6) An emissions inventory shall be compiled and/or updated on an annual basis for all process emission sources on the property, maintained on a two-year rolling retention cycle, and made available upon request by the executive director. The inventory records should include the basis for all emissions estimates, sample calculations, and material usage records. Material and solvent usage records shall be maintained in sufficient detail to document compliance with this Section .

(7) There shall be no visible emissions from each existing and proposed stack, hood, vent, or opening to the atmosphere.

(8) Any facility in which any chemical listed in subparagraph (D) of this paragraph will be handled or stored as a liquid or a compressed gas in a compound mixture of a concentration greater than 10% by weight or an aqueous solution of any chemical listed in subparagraph (D) of this paragraph greater than 50% by weight shall comply with subparagraphs (A) - (C) of this paragraph.

(A) The facility shall be located at least 300 feet from the nearest property line and 600 feet from any off-plant receptor.

(B) The cumulative amount of any one of the chemicals listed in subparagraph (D) of this paragraph, resulting from one or more authorizations under this Section , shall not exceed 500 pounds on the plant property.

(C) Any chemical listed in subparagraph (D) of this paragraph shall be handled only in containers operated in compliance with United States Department of Transportation regulations (49 Code of Federal Regulations, Parts 171-178).

(D) Listed chemicals are: acrolein, ammonia, bromine, carbon disulfide, chlorine, ethy mercaptan, hydrogen chloride, hydrogen bromide, hydrogen cyanide, hydrogen fluoride, hydrogen sulfide, phosphine, sulfur dioxide, methyl bromide, methyl isocyanate, methyl mercaptan, nickel carbonyl, phosgene.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.225. Semiconductor Manufacturing.

Modifications, additions, or relocations of equipment (excluding add-on controls) used for semiconductor manufacturing operations that result in the addition, increase, or substitution of an air contaminant are permitted by rule provided the following conditions of this Section are satisfied.

(1) The following is a list of definitions for this Section .

(A) **Permitted air contaminants** - The individual chemical compounds represented in the latest permit or permit amendment application approved by the executive director.

(B) **Ground Level Contaminant (GLC1)(max) new** - The maximum hourly offproperty GLC resulting from the new emission rate of air contaminant 1.

(C) **GLC1(receptor) new** - The maximum hourly off-property GLC at the sensitive receptor with the highest possible impacts resulting from the new emission rate of air contaminant 1.

(D) **GLC2(max)** - The maximum hourly off-property GLC resulting from the emission rate of air contaminant 2.

(E) **GLC2(receptor)** - The maximum hourly off-property GLC at the sensitive receptor with the highest possible impacts resulting from the emission rate of air contaminant 2.

(F) **ESL1** - The 30-minute Effects Screening Level (ESL) published in the commission's ESL list dated April 10, 1995, for air contaminant 1.

(G) **ESL2** - The 30-minute ESL published in the commission's ESL list dated April 10, 1995, for air contaminant 2.

(2) New emissions or an emission increase of any air contaminant less than 0.04 pounds per hour (sitewide) are exempt from all conditions of this Section except paragraphs (3), (11), and (l2) of this Section .

(3) A permit has been issued by the commission for at least one emission source owned by the person using this Section on the same property for which this Section is being claimed.

(4) The facility's baseline GLCs of the permitted air contaminants have been determined using air dispersion modeling or other methods.

(5) New emission points are not authorized by this Section .

(6) There will be no change in method of control for any air contaminants as represented in the latest permit or permit amendment application approved by the executive director.

(7) Increases of a permitted air contaminant shall meet all of the following criteria:

(A) GLC1(max)new # 2ESL1;

(B) GLC1(receptor)new # ESL1.

(8) Additions of a non-permitted air contaminant, substitutions of a non-permitted air contaminant for a permitted air contaminant, and substitutions of one permitted air contaminant for another permitted air contaminant shall meet all of the following criteria:

(A) GLC2(max)new # 2ESL2;

(B) GLC2(receptor)new # ESL2.

(9) If the commission ESL list dated April 10, 1995, does not include the air contaminant to be added or substituted, the permittee must use an ESL derived by the commission's Toxicology and Risk Assessment Division. The ESL shall be obtained in writing prior to the use of the new substance.

(10) The cumulative net annual emission increases of the following categories of air contaminants from multiple uses of this Section shall not exceed the following values:

(A) particulate matter - five tons per year (tpy);

(B) volatile organic compounds (VOCs) - 15 tpy;

(C) non-VOCs - five tpy;

(D) acids/bases - ten tpy;

(E) any other air contaminant - five tpy;

(F) total of all emission increases - 25 tpy.

(11) The applicable ground-level concentration limits in Chapters 111, 112, and 113 of this title (relating to Control of Air Pollution from Visible Emissions and Particulate Matter; Sulfur Compounds; and Toxic Materials) shall not be exceeded.

(12) Within 30 days of use of this Section , the permittee shall maintain documentation that demonstrates all applicable conditions of this Section were satisfied. The documentation shall be made available to the commission upon request.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.226. Paints, Varnishes, Ink, and Other Coating Manufacturing.

Coating manufacturing operations including raw material storage, weighing, mixing, milling, grinding, thinning, and packaging are permitted by rule, provided the conditions of this Section are met.
Coating manufacturing is defined as combining ingredients that are manufactured off-site to make paints, varnishes, sealants, stains, adhesives, inks, pigments, maskants, and paint strippers, etc.
Resin manufacturing is not permitted by rule under this Section .

(1) Materials usage shall not exceed the following rates:

(A) 345,000 gallons per year of solvent for all operations at a coating manufacturing site; and

(B) 200,000 pounds of dry powder per year for all operations at a coating manufacturing site.

(2) Operations involving powders which contain more than 0.1% by weight of chromium, cadmium, asbestos, lead, arsenic, cobalt, or strontium are not authorized by this Section .

(3) The following conditions must be met to prevent and control emissions.

(A) There shall be no visible emissions from any emission point.

(B) Bags or sacks of dry powders shall be opened within an enclosed bag slitter or within an enclosed area.

(C) Material transfer, storage operations, or other similar operations shall be conducted in enclosed or covered containers which are opened only as necessary for transfer of ingredients.

(D) Mixing, milling, packaging, and filling operations shall be conducted under a hood or within an enclosure designed to capture emissions, which shall then be vented externally or through a carbon adsorption system.

(E) Operations which involve dry powders or pigments shall be vented through a filter.

(F) Any spills of dry powders or solvents shall be cleaned up promptly in a manner designed to control emissions.

(G) Waste materials shall be stored in covered containers and disposed of properly.

(4) Emissions from any operation which are vented externally shall be exhausted using forced air through a stack with an unobstructed vertical discharge. The stack must be, at a minimum, four feet above the peak of the roofline.

(5) The owner or operator of the facility shall keep records of all liquid and solid material usage rates on a monthly basis to demonstrate compliance with paragraph (1) of this Section . The usage data shall be maintained for the most recent 24-month period.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.227. Soldering, Brazing, Welding.

Brazing, soldering, or welding equipment, except those which emit 0.6 ton per year or more of lead, are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.228. Platen Presses for Laminating.

Platen presses used for laminating are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.229. Textile Dyeing and Stripping Equipment.

Equipment used exclusively for the dyeing or stripping of textiles is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.231. Manufacturing, Refinishing, and Restoring Wood Products.

Facilities, including drying or curing ovens, and hand-held or manually operated equipment, used for manufacturing, refinishing, and/or restoring wood products that meet the following requirements are permitted by rule.

(1) If a pneumatic sawdust collection system is used, it must be followed by a filter with no visible emissions.

(2) Waste materials shall be stored and disposed of properly. There shall be no visible emissions leaving the property.

(3) If the total coatings, solvents, and stripping agents used exceeds six gallons per day (gpd) or one gpd of methylene chloride, the following requirements must be met:

(A) the application area must be exhausted using forced air through a stack with an unobstructed vertical discharge above the peak of the roof line; and

(B) in addition to the requirements of subparagraph (A) of this paragraph, if application is made by spraying, the application area must also be vented through a filter system with a minimum particulate removal efficiency of 95%.

(4) Purchase receipts for total coatings, solvents, and stripping agents for the most recent 24 months must be kept on site and be made immediately available upon request of personnel from the agency or any other air pollution control agency having jurisdiction. If the total materials purchased exceeds 550 gallons in any one month, records of the amount of materials used per month must be kept on-site to demonstrate that total emissions do not exceed 25 tons per year in any consecutive 12 months.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER J : FOOD PREPARATION AND PROCESSING
Section Section 106.241 - 106.245
Effective September 4, 2000

Section 106.241. Slaughterhouses.

Any facility where animals or poultry are slaughtered and prepared for human consumption provided that waste products such as blood, offal, and feathers are stored in such a manner as to prevent the creation of a nuisance condition and these waste products are removed from the premises daily or stored under refrigeration until removed are permitted by rule. In addition, areas used to hold animals or poultry for slaughter shall be kept dry and clean to control odors.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.242. Food Preparation.

Equipment used in eating establishments for the purpose of preparing food for human consumption is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.243. Smokehouses.

Smokehouses in which the maximum horizontal inside cross-Section al area does not exceed 100 square feet are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.244. Ovens, Barbecue Pits, and Cookers.

Ovens, mixers, blenders, barbecue pits, and cookers if the products are edible and intended for human consumption are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.245. Ethyl Alcohol Facilities.

Ethyl alcohol (ethanol) production facilities having a capacity of less than 200 gallons of ethanol per day when natural gas, liquid petroleum gas, or Number 2 fuel oil is used to supply heat for cooking and distillation are permitted by rule. Drying of spent (distillers) grain and water stillage is not authorized under this Section .
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER K: GENERAL
Section Section 106.261 - 106.266
Effective November 1, 2001

Section 106.261. Facilities (Emission Limitations).

Facilities, or physical or operational changes to a facility, are permitted by rule provided that all of the following conditions of this Section are satisfied.

(1) This Section shall not be used to authorize construction of or any change to a facility authorized in another Section of this chapter (see Section 106.262(1) of this title (relating to Facilities (Emission and Distance Limitations)).

(2) The facilities or changes shall be located at least 100 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located.

(3) Total new or increased emissions, including fugitives, shall not exceed 6.0 pounds per hour (lb/hr) and ten tons per year of the following materials: acetylene, argon, butane, crude oil, refinery petroleum fractions (except for pyrolysis naphthas and pyrolysis gasoline) containing less than ten volume percent benzene, carbon monoxide, cyclohexane, cyclohexene, cyclopentane, ethyl acetate, ethanol, ethyl ether, ethylene, fluorocarbons Numbers 11, 12, 13, 14, 21, 22, 23, 113, 114, 115, and 116, helium, isohexane, isopropyl alcohol, methyl acetylene, methyl chloroform, methyl cyclohexane, neon, nonane, oxides of nitrogen, propane, propyl alcohol,

propylene, propyl ether, sulfur dioxide, alumina, calcium carbonate, calcium silicate, cellulose fiber, cement dust, emery dust, glycerin mist, gypsum, iron oxide dust, kaolin, limestone, magnesite, marble, pentaerythritol, plaster of paris, silicon, silicon carbide, starch, sucrose, zinc stearate, or zinc oxide.

(4) Total new or increased emissions, including fugitives, shall not exceed 1.0 lb/hr of any chemical having a limit value (L) greater than 200 milligrams per cubic meter (mg/m3) as listed and referenced in Table 262 of Section 106.262 of this title or of any other chemical
not listed or referenced in Table 262. Emissions of a chemical with a limit value of less than 200 mg/m3 are not allowed under this Section .

(5) For physical changes or modifications to existing facilities, there shall be no changes to or additions of any air pollution abatement equipment.

(6) Visible emissions, except uncombined water, to the atmosphere from any point or fugitive source shall not exceed 5.0% opacity in any five-minute period.

(7) For emission increases of five tons per year or greater, notification must be provided using Form PI-7-261 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.

(8) For emission increases of less than five tons per year, notification must be provided using either:

(A) Form PI-7-261 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any; or

(B) Form PI-7-261(a) by March 31 of the following year summarizing all uses of this permit by rule in the previous calendar year. This annual notification shall include a description of the project, calculations, data identifying specific chemical names, limit values, and a description of pollution control equipment, if any.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.262. Facilities (Emission and Distance Limitations).

Facilities, or physical or operational changes to a facility, are exempt provided that all of the following conditions of this Section are satisfied.

(1) This Section shall not be used to authorize construction or any change to a facility specifically authorized in another Section of this chapter, but not meeting the requirements of that Section . However, once the requirements of a Section of this chapter are met, paragraphs (3) and (4) of this Section may be used to qualify the use of other chemicals at the facility.

(2) Emission points associated with the facilities or changes shall be located at least 100 feet from any off-plant receptor. Off-plant receptor means any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located.

(3) New or increased emissions, including fugitives, of chemicals shall not be emitted in a quantity greater than five tons per year nor in a quantity greater than E as determined using the equation E = L/K and the following table. Figure: 30 TAC **Section 106.262(3)**

D,Feet	**K**	
100	326	
200	200	E = maximum allowable hourly emission, and never to exceed 6 pounds per hour.
300	139	
400	104	
500	81	
600	65	L = value as listed or referenced in Table 262
700	54	
800	46	
900	39	K = value from the table on this page.

		(interpolate intermediate values)
1,000	34	
2,000	14	
3,000 or more	8	D = distance to the nearest off-plant receptor.

TABLE 262
LIMIT VALUES (L) FOR USE WITH EXEMPTIONS FROM PERMITTING Section 106.262

The values are not to be interpreted as acceptable health effects values relative to the issuance of any permits under Chapter 116 of this title (relating to Control of Air Pollution by Permits for New Construction or Modification).

COMPOUND	**LIMIT (L) MILLIGRAMS PER CUBIC METER**
Acetone	590.
Acetaldehyde	9.
Acetone Cyanohydrin	4.
Acetonitrile	34.
Acetylene	2662.
N-Amyl Acetate	2.7
Sec-Amyl Acetate	1.1
Benzene	3.
Beryllium and Compounds	0.0005
Boron Trifluoride, as HF	0.5
Butyl Alcohol, –	76.
Butyl Acrylate	19.
Butyl Chromate	0.01
Butyl Glycidyl Ether	30.
Butyl Mercaptan	0.3
Butyraldehyde	1.4
Butyric Acid	1.8
Butyronitrile	22.
Carbon Tetrachloride	12.
Chloroform	10.
Chlorophenol	0.2
Chloroprene	3.6
Chromic Acid	0.01
Chromium Metal, Chromium II and III Compounds	0.1
Chromium VI Compounds	0.01

COMPOUND	LIMIT (L) MILLIGRAMS PER CUBIC METER
Coal Tar Pitch Volatiles	0.1
Creosote	0.1
Cresol	0.5
Cumene	50.
Dicyclopentadiene	3.1
Diethylaminoethanol	5.5
Diisobutyl Ketone	63.9
Dimethyl Aniline	6.4
Dioxane	3.6
Dipropylamine	8.4
Ethyl Acrylate	0.5
Ethylene Dibromide	0.38
Ethylene Glycol	26.
Ethylene Glycol Dinitrate	0.1
Ethylidene-2-norbornene, 5-	7.
Ethyl Mercaptan	0.08
Ethyl Sulfide	1.6
Glycolonitrile	5.
Halothane	16
Heptane	350.
Hexanediamine,1,6-	0.32
Hydrogen Chloride	1.
Hydrogen Fluoride	0.5
Hydrogen Sulfide	1.1
Isoamyl Acetate	133.
Isoamyl Alcohol	15.
Isobutyronitrile	22.
Kepone	0.001
Kerosene	100.
Malononitrile	8.
Mesityl Oxide	40.
Methyl Acrylate	5.8
Methyl Amyl Ketone	9.4
Methyl-t-butyl ether	45.

COMPOUND	LIMIT (L) MILLIGRAMS PER CUBIC METER
Methyl Butyl Ketone	4.
Methyl Disulfide	2.2
Methylenebis (2-chloroaniline) (MOCA)	0.003
Methylene Chloride	26.
Methyl Isoamyl Ketone	5.6
Methyl Mercaptan	0.2
Methyl Methacrylate	34.
Methyl Propyl Ketone	530.
Methyl Sulfide	0.3
Mineral Spirits	350.
Naphtha	350.
Nickel, Inorganic Compounds	0.015
Nitroglycerine	0.1
Nitropropane	5.
Octane	350.
Parathion	0.05
Pentane	350.
Perchloroethylene	33.5
Petroleum Ether	350
Phenyl Mercaptan	0.4
Propionitrile	14.0
Propyl Acetate	62.6
Propylene Oxide	20.
Propyl Mercaptan	0.23
Silica-amorphous- precipitated, silica gel	4.
Silicon Carbide	4.
Stoddard Solvent	350.
Styrene	21.
Succinonitrile	20.
Tolidine	0.02
Trichloroethylene	135.
Trimethylamine	0.1
Valeric Acid	0.34
Vinyl Acetate	15.

COMPOUND	LIMIT (L) MILLIGRAMS PER CUBIC METER
Vinyl Chloride	2.

NOTE: The time weighted average (TWA) Threshold Limit Value (TLV) published by the American Conference of Governmental Industrial Hygienists (ACGIH), in its TLVs and BEIs guide (1997 Edition) shall be used for compounds not included in the table. The Short Term Exposure Level (STEL) or Ceiling Limit (annotated with a "C") published by the ACGIH shall be used for compounds that do not have a published TWA TLV. This Section cannot be used if the compound is not listed in the table or does not have a published TWA TLV, STEL, or Ceiling Limit in the ACGIH TLVs and BEIs guide.

(4) Notification must be provided using Form PI-7 within ten days following the installation or modification of the facilities. The notification shall include a description of the project, calculations, and data identifying specific chemical names, L values, D values, and a description of pollution control equipment, if any.

(5) The facilities in which the following chemicals will be handled shall be located at least 300 feet from the nearest property line and 600 feet from any off-plant receptor and the cumulative amount of any of the following chemicals resulting from one or more authorizations under this Section (but not including permit authorizations) shall not exceed 500 pounds on the plant property and all listed chemicals shall be handled only in unheated containers operated in compliance with the United States Department of Transportation regulations (49 Code of Federal Regulations, Parts 171- 178): acrolein, allyl chloride, ammonia (anhydrous), arsine, boron trifluoride, bromine, carbon disulfide, chlorine, chlorine dioxide, chlorine trifluoride, chloroacetaldehyde, chloropicrin, chloroprene, diazomethane, diborane, diglycidyl ether, dimethylhydrazine, ethyleneimine, ethyl mercaptan, fluorine, formaldehyde (anhydrous), hydrogen bromide, hydrogen chloride, hydrogen cyanide, hydrogen fluoride, hydrogen selenide, hydrogen sulfide, ketene, methylamine, methyl bromide, methyl hydrazine, methyl isocyanate, methyl mercaptan, nickel carbonyl, nitric acid, nitric oxide, nitrogen dioxide, oxygen difluoride, ozone, pentaborane, perchloromethyl mercaptan, perchloryl fluoride, phosgene, phosphine, phosphorus trichloride, selenium hexafluoride, stibine, liquified sulfur dioxide, sulfur pentafluoride, and tellurium hexafluoride. Containers of these chemicals may not be vented or opened directly to the atmosphere at any time.

(6) For physical changes or modifications to existing facilities, there shall be no ch anges or additions of air pollution abatement equipment.

(7) Visible emissions, except uncombined water, to the atmosphere from any point or fugitive source shall not exceed 5.0% opacity in any five-minute period.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.263. Repairs and Maintenance.

Repairs or maintenance not involving structural changes where no new or permanent facilities are installed are exempt.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.264. Replacements of Facilities.

A facility which replaces an existing facility is permitted by rule provided that the following conditions of this Section are satisfied:

(1) the replacement facility functions in the same or similar manner as the facility to be replaced;

(2) the emissions from the replacement facility are not more than nor have different characteristics than those from the facility to be replaced;

(3) the emissions from the replacement facility will not exceed 25 tons per year of any air contaminant;

(4) the physical location of the replacement facility is the same or immediately adjacent to the facility being replaced;

(5) there will be no increase in capacity, production rate, or throughput as a result of the replacement;

(6) notwithstanding the provisions of paragraph (3) of this Section , the emissions from the replacement facility will not contain any compounds (other than carbon monoxide, nitrogen oxide, or sulfur dioxide) listed or proposed to be listed as hazardous constituents in 40 Code of Federal Regulations 261, Appendix VIII;

(7) notification of the replacement is provided to the executive director within ten days following installation of the replacement facility.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.265. Hand-held and Manually Operated Machines.

Hand-held or manually operated equipment used for buffing, polishing, carving, cutting, drilling, machining, routing, sanding, sawing, surface grinding, or turning of ceramic art work, ceramic precision parts, leather, metals, plastics, fiber board, masonry, carbon, glass, graphite, or wood is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.266. Vacuum Cleaning Systems.

Vacuum cleaning systems used exclusively for industrial, commercial, or residential housekeeping purposes are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER L : FEED, FIBER, AND FERTILIZER
Effective September 4, 2000

DIVISION 1 : FEED
Section Section 106.281 - 106.283

Section 106.281. Feed Milling.

Modifications to feed milling operations which satisfy the following conditions of this Section are permitted by rule.

(1) In conjunction with the installation of additional grain or feed storage silos, including bins used for loading out finished feed, all materials shall be transported in a closed conveying system when handled mechanically or pneumatically. Exhaust air to the atmosphere shall be vented through a fabric filter having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with automatic air cleaning.

(2) In conjunction with the installation of a pellet mill/pellet cooler system, the air from the pellet cooler shall be vented through a high efficiency cyclone collector which has a cone length at least twice the diameter of the cyclone.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.282. Feed Grinding Facilities.

Any feed grinding operation which is used only for noncommercial purposes is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.283. Grain Handling, Storage, and Drying.

Any grain handling, storage, and drying facility which meets paragraphs (1) - (3) of this Section is permitted by rule.

(1) The facility is in noncommercial use only - that is, used only to handle, dry, and/or store grain produced by the owner(s) of the facility if the following conditions are satisfied:

(A) the total storage capacity does not exceed 750,000 bushels;

(B) the grain handling capacity does not exceed 4,000 bushels per hour;

(C) the facility is located at least 500 feet from any recreational area or residence or business not occupied or used solely by the owner of the facility.

(2) The facility is in commercial use and the following conditions are satisfied:

(A) the total storage capacity of the new and any existing facility or facilities does not exceed 1.5 million bushels;

(B) the facility shall be located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located;

(C) before construction of the facility begins, written site approval shall be received from the executive director and the facility shall be registered with the commission using Form PI-7.

(3) The installation of additional grain storage capacity which satisfies the following conditions:

(A) there shall be no increase in hourly grain handling capacity;

(B) existing grain receiving and loadout facilities are utilized;

(C) grain shall be conveyed by closed conveying systems and air suction shall not be pulled on any conveying unit;

(D) written site approval shall be received from the executive director before construction begins for facilities utilizing existing grain receiving facilities when new gravity or auger loadout systems are to be installed.
Adopted August 9, 2000 Effective September 4, 2000

DIVISION 2 : FIBER
Section 106.291

Section 106.291. Cotton Gin Stands.

Replacement or addition of cotton gin stands where no other equipment change or additions are involved are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

DIVISION 3 : FERTILIZER
Section 106.301, Section 106.302

Section 106.301. Aqueous Fertilizer Storage.

All aqueous fertilizer storage tanks are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.302. Portable Pipe Reactor.

Portable pipe reactor facilities used to process liquid fertilizer that operate according to the following conditions of this Section are permitted by rule.

(1) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.

(2) All valves, piping, flanges, hoses, and disconnects must be free of leaks.

(3) Opacity from any process vent shall not exceed 20% except for those periods of start-up described in Section 111.111(a)(1)(E) of this title (relating to Requirement for Specified Sources).

(4) Emissions from the facility shall not cause or contribute to a condition of air pollution as defined in Texas Health and Safety Code, Section 382.003(3).

(5) The operating schedule must not exceed 72 hours within a four-month period.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER M : METALLURGY
Section Section 106.311 - 116.322
Effective September 4, 2000

Section 106.311. Crucible or Pot Furnace.

Crucible or pot furnaces with a brim full capacity of less than 450 cubic inches of any molten metal are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.312. Wax Melting and Application.

Equipment used exclusively for the melting or application of wax is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.313. Tumblers for Cleaning or Deburring Metal.

All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 pounds or less are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.314. Shell Core and Mold Machines.

Shell core and shell mold manufacturing machines are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.315. Sand or Investment Molds.

Sand or investment molds with a capacity of 100 pounds or less used for the casting of metals are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.316. Metal Inspection.

Equipment used for inspection of metal products is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.317. Miscellaneous Metal Equipment.

Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.318. Die Casting Machines.

Die casting machines are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.319. Foundry Sand Mold Forming Equipment.

Foundry sand mold forming equipment to which no heat is applied is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.320. Miscellaneous Metallic Treatment.

Electrically heated or sweet natural gas or liquid petroleum gas fueled equipment used exclusively for heat treating, soaking, case hardening, or surface conditioning of metal objects, such as carbonizing, cyaniding, nitriding, carbon nitriding, siliconizing, or diffusion treating is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.321. Metal Melting and Holding Furnaces.

Metal melting and holding furnaces as specified in this Section are permitted by rule.

(1) crucible furnaces, pot furnaces, or induction furnaces with a holding capacity of 1,000 pounds or less, with the following limitations:

(A) no smelting, reduction, sweating, metal separation, or distilling is conducted;

(B) in ferrous melting furnaces where gray iron or steel is melted:

(i) ductile iron is produced only when emissions are captured by a vent hood and filtered or within a crucible with a lid which allows no visible emissions; and

(ii) the furnace charge is free of oil, grease, and paint;

(C) in nonferrous melting furnaces, only the following metals are melted, poured, or held in a molten state:

(i) aluminum or any alloy containing over 50% aluminum;

(ii) magnesium or any alloy containing over 50% magnesium;

(iii) tin or any alloy containing over 50% tin;

(iv) zinc or any alloy containing over 50% zinc;

(v) copper, brass, or bronze; or

(vi) precious metals;

(D) no lead, leaded brass, leaded bronze, or manganese bronze is melted, poured, or held in a molten state;

(2) aluminum melting or holding furnaces with a holding capacity of 2,000 pounds or less that melt only clean aluminum ingots or pigs and in which no refining, smelting, metal separation, sweating, distilling, or fluxing with chlorine bearing gases is performed.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.322. Furnaces to Reclaim Aluminum or Copper.

Dry hearth reverberatory type holding chamber aluminum or copper metal reclamation/sweat furnaces in which no fluxing, degassing, or refining is conducted, which operate according to the following conditions and limitations of this Section are permitted by rule.

(1) Scrap metal charges shall consist primarily of copper or aluminum metal. Operation of the furnace for reclamation or lead, tin, zinc, or magnesium metals is prohibited.

(2) The maximum furnace charging rate shall be 2,000 pounds per hour or less.

(3) The furnace charge door shall remain closed except during charging and furnace cleaning operations.

(4) The furnace shall be equipped with an afterburner which will provide a minimum retention time of 0.1 second at a minimum temperature of 1,300 degrees Fahrenheit for all furnace exhaust gases.

(5) The incineration of any insulated wire or cable containing chlorine compounds in the insulation, such as polyvinyl chloride insulation, is expressly prohibited.

(6) The owner or operator of the furnace shall initiate and maintain a program of furnace operator training in the recognition of chlorine-bearing wire or cable insulation and shall demonstrate, upon request by the executive director, acceptable proficiency in the recognition of chlorine-bearing wire or cable insulation such as polyvinyl chloride insulation.

(7) Fuel for the furnace shall be sweet natural gas as defined in Chapter 101 of this title (relating to General Air Quality Rules) or liquid petroleum gas, diesel, or Number 2 fuel oil.

(8) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER N : MIXERS, BLENDERS, AND PACKAGING
Section Section 106.331 - 106.333
Effective September 4, 2000

Section 106.331. Cosmetics Packaging and Pharmaceutical Packaging and Coating.

Equipment used exclusively to package pharmaceuticals and cosmetics or to coat pharmaceutical tablets is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.332. Chlorine Repackaging.

Facilities that repackage chlorine are permitted by rule, provided all the following conditions of this Section are satisfied:

(1) the repackaging shall be in United States Department of Transportation approved chlorine cylinders not exceeding one ton in capacity;

(2) there shall be no more than two tons of chlorine on the property at any time;

(3) all handling of chlorine shall be in accordance with applicable Chlorine Institute Guidelines;

(4) the facilities shall be located no closer than 300 feet from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facilities or the owner of the property upon which the facilities are located;

(5) the repackaging system shall be operated under vacuum at all times and all venting of lines and cylinders shall be routed to a caustic scrubbing system that prevents release of chlorine to the atmosphere during all operating and maintenance activities. When the scrubbing system is not operating properly, no chlorine shall be repackaged;

(6) chlorine gas shall not be vented directly to the atmosphere under any circumstances.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.333. Water-based Adhesive Mixers.

Equipment used exclusively for the mixing and blending of materials at ambient temperature to make water-based adhesives is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER O: OIL AND GAS
Section Section 106.351 - 106.355
Effective June 13, 2001

Section 106.351. Salt Water Disposal (Petroleum).

Salt water disposal facilities used to handle aqueous liquid wastes from petroleum production operations and water injection facilities are permitted by rule, provided that the following conditions of this Section are met.

(1) Any facility processing salt water which emits a sour gas shall be located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located.

(2) Any open storage of salt water shall be operated in such a manner as to prevent the occurrence of a nuisance condition off-property.

(3) All plant roads and truck loading and unloading areas must be operated and/or maintained as necessary to prevent dust emissions from the property which would cause or contribute to a nuisance condition. Appropriate operating activities may include reduction of speed of vehicles, use of alternate routes, and covering of dust-producing loads being hauled. Appropriate maintenance activities may include watering, treatment with dust suppressant chemicals, oiling, paving, and cleaning dust-producing surfaces.

(4) Before construction of the facility begins under this Section , registration of the permit by rule shall be submitted to the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7, unless one of the following exceptions applies:

(A) all delivery of salt water to the site takes place through enclosed hoses or lines, and all storage and handling of salt water takes place in enclosed conduits, vessels, and storage, so that the salt water is not exposed to the atmosphere; or

(B) delivery of salt water from outside a site to all facilities at a site in any calendar day does not exceed 540,000 gallons.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.352. Oil and Gas Production Facilities.

Any oil or gas production facility, carbon dioxide separation facility, or oil or gas pipeline facility consisting of one or more tanks, separators, dehydration units, free water knockouts, gunbarrels, heater treaters, natural gas liquids recovery units, or gas sweetening and other gas conditioning facilities, including sulfur recovery units at facilities conditioning produced gas containing less than two long tons per day of sulfur compounds as sulfur are permitted by rule, provided that the following conditions of this Section are met. This Section applies only to those facilities named which handle gases and liquids associated with the production, conditioning, processing, and pipeline transfer of fluids found in geologic formations beneath the earth's surface.

(1) Compressors and flares shall meet the requirements of Section 106.512 and Section 106.492 of this title (relating to Stationary Engines and Turbines, and Flares).

(2) Total emissions, including process fugitives, combustion unit stacks, separator, or other process vents, tank vents, and loading emissions from all such facilities constructed at a site under this Section shall not exceed 25 tons per year (tpy) each of sulfur dioxide (SO_2), all other sulfur compounds combined, or all volatile organic compounds (VOC) combined; and 250 tpy each of nitrogen oxide and carbon monoxide. Emissions of VOC and sulfur compounds other than SO_2 must include gas lost by equilibrium flash as well as gas lost by conventional evaporation.

(3) Any facility handling sour gas shall be located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located.

(4) Total emissions of sulfur compounds, excluding sulfur oxides, from all vents shall not exceed 4.0 pounds per hour (lb/hr) and the height of each vent emitting sulfur compounds shall meet the following requirements, except in no case shall the height be less than 20 feet:

Total as Hydrogen Sulfide, lb/hr	**Minimum vent height, feet**
0.27	20
0.60	30
1.94	50
3.00	60
4.00	68

NOTE: Other values may be interpolated.

(5) Before operation begins, facilities handling sour gas shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7 along with supporting documentation that all requirements of this Section will be met. For facilities constructed under Section 106.353 of this title (relating to Temporary Oil and Gas Facilities), the registration is required before operation under this Section can begin. If the facilities cannot meet this Section , a permit under Chapter 116 of this title (relating to Control of Air Pollution by Permits for New Construction or Modification) is required prior to continuing operation of the facilities.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.353. Temporary Oil and Gas Facilities.

Temporary separators, tanks, meters, and fluid-handling equipment used for a period not to exceed 90 operating days are permitted by rule, provided that all the following conditions of this Section are satisfied.

(1) The purpose of the 90-day period is to test the content of a subsurface stratum believed to contain oil or gas and/or to establish the proper design of a permanent fluid-handling facility.

(2) Any sour gas produced during this test period shall be burned in a smokeless flare which meets the requirements of conditions of Section 106.492(1)(C) and (2)(A) and (C) of this title (relating to Flares).

(3) Total emissions of reduced sulfur compounds, excluding sulfur oxides, but including hydrogen sulfide, shall not exceed 4.0 pounds per hour and the emission point height of any vent of reduced sulfur compounds shall meet the requirements of Section 106.352(4) of this title (relating to Oil and Gas Production Facilities).

(4) Operation of a facility authorized by this Section beyond the 90-day period shall not be allowed unless such operation is authorized under exemption from permitting or is permitted under Chapter 116 of this title (relating to Control of Air Pollution by Permits for New Construction or Modification).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.354. Iron Sponge Gas Treating Unit.

Iron sponge gas treating units processing streams containing less than 60 pounds per hour of hydrogen sulfide are permitted by rule provided that the following conditions of this Section are satisfied:

(1) the plant is located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located;

(2) during replacement of the iron oxide impregnated chips, the unit is:

(A) isolated from the main system and the pressure is reduced to 0.5 psia or less through a gas-fired flare; or

(B) sulfur compound emissions to the atmosphere do not exceed one ton per replacement;

(3) the spent iron oxide chips being replaced are properly handled to avoid spontaneous ignition and avoid an odor nuisance.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.355. Metering, Purging, and Maintenance of Pipelines.

Metering, purging, and maintenance operations for gaseous and liquid petroleum pipelines (including ethylene, propylene, butylene, and butadiene pipelines) are exempt provided that operations are conducted according to the following conditions of this Section :

(1) emissions of volatile organic compounds, except fugitive emissions, are burned in a smokeless flare; or

(2) total emissions of any air contaminant will not exceed one ton during any metering, purging, or maintenance operation;

(3) venting of sweet, commercial grade natural gas from pipelines is exempt from paragraphs (1) and (2) of this Section . Care must be taken not to vent the gas in an area where an ignition source may exist or where accidental ignition of the venting gas may increase risk of fire at nearby tanks or other facilities.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER P : PLANT OPERATIONS
Section Section 106.371 - 106.376
Effective September 4, 2000

Section 106.371. Cooling Water Units.

Water cooling towers, water treating systems for process cooling water or boiler feedwater, and water tanks, reservoirs, or other water containers designed to cool, store, or otherwise handle water (including rainwater) that have not been used in direct contact with gaseous or liquid process streams containing carbon compounds, sulfur compounds, halogens or halogen compounds, cyanide compounds, inorganic acids, or acid gases are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.372. Industrial Gases.

Any air separation, or other industrial gas production, storage, or packaging facility is permitted by rule. Industrial gases, for purposes of this Section , include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.373. Refrigeration Systems.

Refrigeration systems, including storage tanks used in refrigeration systems, that use one of the following categories of refrigerant are permitted by rule:

(1) simple asphyxiants limited to argon, carbon dioxide, ethane, helium, hydrogen, methane, neon, nitrogen, propane, propylene, or liquefied natural gas; or

(2) any other chemical, excluding anhydrous ammonia, with a short-term effects screening level (ESL) published in the commission’s ESL list greater than 150Fg/m3;

(3) anhydrous ammonia (ammonia) provided:

(A) the facility is registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7; and

(B) the system is maintained in good working order and such that ammonia leaks are not detectable beyond the operator's property line.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.374. Lime Slaking Facilities.

Any lime slaking facility used to mix quicklime with water is permitted by rule, provided the following conditions of this Section are met:

(1) the mixing vessel shall be horizontal;

(2) the mixing vessel shall use interior mechanical agitation parallel to the bottom and agitate the water over the full length of the vessel;

(3) quicklime shall be injected into the mixing vessel as follows:

(A) where injection is from a pneumatic transfer system, the quicklime shall be injected at a point at least 12 inches under the surface of the agitated water; or

(B) where injection is from a non-pneumatic conveying system unloading at the top of the vessel, emissions from any vent on the vessel shall be controlled by an appropriately sized wet scrubber;

(4) there shall be no visible emissions (other than uncombined water).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.375. Aqueous Solutions for Electrolytic and Electroless Processes.

Equipment using aqueous solutions is permitted by rule, providing the conditions of this Section are met.

(1) This Section authorizes the following operations:

(A) anodizing, chromate conversion coating processes, electroplating, electrodeposition, electroless plating, electrolytic polishing, and electrolytic stripping, as follows.

(i) For plating onto or stripping from any basis substrate, only brass, bronze, cadmium, copper, iron, lead, nickel, tin, zinc, and precious metals may be used.

(ii) Chromic acid shall not be used in any step of a process which involves electrical current, air agitation, or any other factor which causes the chromic acid to bubble or mist.

(B) cleaning, electroless stripping, etching, or other surface preparation and finishing, not including chemical milling or electrolytic metal recovery and reclaiming systems.

(2) Operating conditions.

(A) Hydrochloric acid tank operating conditions shall not exceed:

(i) a temperature of 100 degrees Fahrenheit and a hydrochloric acid concentration of 19.0% by solution weight; or

(ii) a partial pressure of 0.5 millimeters of mercury.

(B) Hydrochloric acid in any state, and any aqueous solution which bubbles or mists due to electrical current, air agitation, or any other factor shall be used in an enclosed building. If the doors and windows of the building are open for any reason other than temporarily for access, emissions shall either be:

(i) captured and exhausted using forced air through a stack with an unobstructed minimum vertical discharge of four feet above the peak of the roofline; or

(ii) controlled with a fume suppressant.

(3) If a facility cannot comply with the hydrochloric acid temperature and concentration limits in paragraph (2)(A)(i) of this Section , then to demonstrate compliance with paragraph (2)(A)(ii) of this Section , the maximum hydrochloric acid temperature and concentration for each tank shall be recorded daily. At least once per month, the recorded data shall be converted to partial pressure. All data shall be maintained for the most recent 24-month period.

Adopted August 9, 2000 Effective September 4, 2000

Section 106.376. Decorative Chrome Plating.

Decorative chromium electroplating operations that have a maximum combined rated capacity for all decorative chrome plating rectifiers of not more than 5,000 amperes and which use a fume suppressant or other equivalent control as sufficient to meet Section 113.190 of this title (relating to Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks (40 CFR 63, Subpart N)) are permitted by rule. This permit by rule may not be used at any site where other chrome plating or chromic acid anodizing operations are conducted.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER Q : PLASTICS AND RUBBER
Section 106.391 - 106.396
Effective September 4, 2000

Section 106.391. Rubber and Plastic Curing Presses.

Presses used for the curing of rubber products and plastic products are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.392. Thermoset Resin Facilities.

Facilities using thermoset resins (excluding resins that do not emit air contaminants) to manufacture or repair products are permitted by rule, provided that the following conditions of this Section are satisfied for paragraph (1) and either paragraph (2) or (3) of this Section .

(1) The following requirements shall apply to all thermoset resin facilities.

(A) Before construction begins, the facility must be registered with the commission using Form PI-7.

(B) Records of resin and acetone usage shall be kept on a monthly and calendar year-to-date basis to show compliance with this Section , and shall be maintained for the most recent 24 months.

(C) All resin spraying and cleaning operations shall be conducted between two hours before sunrise and two hours after sunset. The exhaust fan(s) must be operating during and for at least 30 minutes after any usage of resin and/or cleaning solvents.

(D) All solid trim grinding operations shall be vented through a dry filter system or a water wash system which has a particulate removal efficiency of at least 95%. Particulates trapped in the dry filter system or water wash sludge shall be handled and stored in a way to minimize the escape of fugitive dust emissions.

(E) No more than five tons of acetone shall be used per year (gross usage minus waste disposal).

(2) The following requirements shall apply to facilities that have spraying operations (the facilities may include non-spraying operations).

(A) No more than 75 tons of resin and gelcoat combined shall be used per year (gross usage minus waste disposal).

(B) All resin spraying operations shall be conducted in a booth or an enclosed work area and the emissions shall be exhausted through elevated stack(s). All stacks shall discharge vertically to the atmosphere with no restrictions or obstructions to flow. Each stack shall meet one of the following minimum requirements:

(i) a flow rate of 20,000 actual cubic feet per minute (acfm) and the greater of six feet above the peak of the manufacturing building or 25 feet above ground level; or

(ii) a flow rate of 15,000 acfm and the greater of six feet above the peak of the manufacturing building or 30 feet above ground level.

(C) No more than 1,000 pounds per year of resin shall be used outdoors.

(D) If annual resin usage is less than 1,000 pounds, a facility is exempt from all requirements of this Section except recordkeeping (paragraph (1)(B) of this Section).

(3) The following requirements shall apply only to non-spraying operations.

(A) No more than 150 tons of resin and gelcoat combined shall be used per year (gross usage minus waste disposal).

(B) All resin operations shall be conducted in a booth or an enclosed work area or the manufacturing building and the emissions shall be exhausted through elevated stack(s). All stacks shall discharge vertically to the atmosphere with no restrictions or obstructions to flow. Each stack shall meet one of the following minimum requirements:

(i) a flow rate of 20,000 acfm and the greater of six feet above the peak of the manufacturing building or 25 feet above ground level; or

(ii) a flow rate of 15,000 acfm and the greater of six feet above the peak of the manufacturing building or 30 feet above ground level.

(C) No more than 3,000 pounds per year of resin shall be used outdoors.

(D) If annual resin usage is less than 3,000 pounds, a facility is exempt from all requirements of this Section except recordkeeping (paragraph (1)(B) of this Section).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.393. Conveyance and Storage of Plastic and Rubber Material.

Equipment used exclusively for conveying and storing plastic and/or rubber solid materials is permitted by rule, provided that no visible emissions occur and all the conditions of this Section are met:

(1) equipment used for conveying of powders or resins to storage silos must be equipped with fabric filter(s) having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical shaking or 7.0 ft/min with air cleaning; and

(2) transfer of powders or resins is accomplished in an enclosed system.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.394. Plastic Compression and Injection Molding.

Equipment used for compression molding and injection molding of plastics is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.395. Equipment for Mixing Plastic and Rubber (No Solvent).

Mixers, blenders, roll mills, or calenders for rubber or plastics are permitted by rule, provided the following conditions of this Section are satisfied. Mixers, blenders, roll mills, or calenders handling or adding asbestos shall not be eligible to be permitted by rule under this Section .

(1) Organic solvents, diluents, or thinners shall not be used.

(2) Material in powder form shall not be added unless the mixer, blender, roll mill, or calender is vented to a fabric filter having a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning, or 7.0 ft/min with automatic air cleaning.

(3) There shall be no visible emissions.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.396. Equipment for Mixing Plastic and Rubber (With Solvent).

Roll mills or calenders for rubber or plastics in which organic solvents, diluents, or thinners are used are permitted by rule, provided that before construction begins, the facility is registered with Form PI-7 and information regarding process rate and type of material emitted is submitted.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER R : SERVICE INDUSTRIES
Section Section 106.411 - 116.419
Effective September 4, 2000

Section 106.411. Steam or Dry Cleaning Equipment.

Equipment used exclusively for steam or dry cleaning of fabrics, plastics, rubber, wood, or vehicle engines or drive trains is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.412. Fuel Dispensing.

Equipment used exclusively to store and dispense motor fuels into heavy and light-duty motor vehicles and marine vessels or other watercraft, aircraft, and railroad locomotive engines is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.413. Bond Lining to Brake Shoes.

Equipment used exclusively for bonding lining to brake shoes is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.414. Packaging Lubes and Greases.

Equipment used exclusively for the packaging of lubricants or greases is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.415. Laundry Dryers.

Laundry dryers, extractors, or tumblers used for fabrics cleaned with water solutions of bleach or detergents are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.416. Uranium Recovery Facilities.

A uranium in-situ solution recovery facility producing yellowcake is permitted by rule, provided that the facility operates according to the following conditions of this Section .

(1) The facility is located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property Upon which the facility is located.

(2) The facility shall have no emissions other than:

(A) ammonia which shall not exceed an emission rate of 2.0 pounds per hour (lb/hr); and

(B) particulate dust from yellowcake drying not to exceed 0.1 lb/hr.

(3) The facility shall have no visible particulate emissions from any part of the process.

(4) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.417. Ethylene Oxide Sterilizers.

Ethylene oxide (EO) sterilizing chambers/operations located on the same or contiguous property and under common ownership that use 1,000 pounds or less of EO per year are permitted by rule provided that the following conditions of this Section are satisfied.

(1) Any sterilizer usage that is less than 0.04 pounds of EO (20 milliliters liquid EO) per charge and the annual usage is 4.0 pounds or less of EO for the entire facility, is exempted from all requirements.

(2) All sterilizers must meet the following conditions.

(A) EO shall only be handled by medical professionals or appropriately trained personnel in medical and industrial use areas.

(B) Written records shall be maintained for a minimum of two years and shall be made available to representatives of the commission upon request. Records shall include:

(i) documentation of the date and time of each sterilizer operation cycle;

(ii) the total pounds of EO purchased and used per calendar year listed as monthly totals;

(iii) leak test results.

(C) Leak tests of each sterilizer system shall be performed at least every six months. Results of the tests shall be made available to the commission upon request.

(D) EO shall only be used alone or in combination with carbon dioxide, nitrogen, chlorofluorocarbon, hydrochlorofluorocarbon diluent gases, or other mixtures as approved by the executive director.

(E) The sterilizer vent system exhaust stack shall meet the following conditions.

(i) The stack shall be uncapped and exhaust vertically upward.

(ii) The stack height shall be extended to at least 15 feet above the roof line of the building; and the stack tip shall be located at least 25 feet from any opening to the building interior, such as fresh air intake, unsealed windows, or pedestrian traffic areas. Stacks on multi-level roofs must only extend 15 feet above the roof upon which the stack is located.

(iii) Stack exit velocity shall be at least 50 feet per second.

(3) The following conditions apply only to sterilizers that use more than four pounds, but less than 100 pounds of EO per year.

(A) Sterilizer systems which vent entirely to atmosphere shall not exceed 0.5 pounds of EO used per cycle. Sterilizer systems which use nonrecirculating, water sealed vacuum systems shall not exceed two pounds of EO charged per cycle. For facilities with multiple sterilizers, the usage rate is based on total EO usage at any given time.

(B) Any combination of sterilizers located on the same or contiguous property under common ownership shall not exceed a total EO usage of less than 100 pounds per year.

(4) The following conditions apply only to sterilizers that use between 100 and 1,000 pounds of EO per year.

(A) Before construction begins, the facility shall be registered with the commission using Form PI-7.

(B) The sterilizer chamber exhaust shall vent through an emission control device that will continuously achieve a minimum EO removal efficiency of 99%. Thermal incineration shall not be used to control sterilizer exhaust emissions if chlorofluorocarbons are used as a diluent.

(C) There shall be no discharge of water containing dissolved EO through a sanitary sewer system.

(D) Any combination of sterilizers located on the same or contiguous property under common ownership shall be limited to a total EO usage of 1,000 pounds per year.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.418. Printing Presses.

Printing operations (including, but not limited to, screen printers, ink-jet printers, presses using electron beam or ultraviolet light curing, and labeling operations) and supporting equipment (including, but not limited to, corona treaters, curing lamps, preparation, and cleaning equipment) which directly supports the printing operation are permitted by rule, provided that all the following conditions of this Section are satisfied.

(1) The uncontrolled emission of volatile organic compounds (VOC) and solvents (including, but not limited to, those used for printing, cleanup, or makeup) shall not exceed the following rates:

(A) 15 tons per year (tpy) for any single printing operation proposed to be covered by this Section ; and

(B) 25 tpy for all printing operations on the property covered by permits by rule.

(2) Facilities which release ten tpy or more of VOC emissions from all printing operations permitted by rule at the site must register with the commission using Form PI-7.

(3) Copying and duplicating equipment employing the xerographic method are exempt from paragraphs (4) - (6) of this Section .

(4) Printing presses covered by this Section shall not utilize heat set, thermo set, or ovendried inks. Heated air may be used to shorten drying time, provided the temperature does not exceed 194 degrees Fahrenheit (90 degrees Celsius).

(5) Records of ink and solvent usage shall be kept in sufficient detail to show compliance with paragraph (1) of this Section and shall be maintained for a two-year rolling retention period.

(6) Screen printing operations requiring temperatures greater that 194 degrees Fahrenheit (90 degrees Celsius) to set the ink are exempt from paragraph (4) of this Section .

(7) Facilities located in ozone nonattainment areas shall meet the requirements of Chapter 115, Subchapters B and E of this title (relating to General Volatile Organic Compound Sources and Solvent-Using Processes).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.419. Photographic Process Equipment.

Photographic process equipment by which an image is reproduced upon material sensitized to radiant energy is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER S : SURFACE COATING
Section Section 106.431 - 106.436
Effective September 4, 2000

Section 106.431. Milling and Grinding of Coatings and Molding Compounds.

Equipment used exclusively to mill or grind coatings and molding compounds where all materials charged are in a paste form is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.432. Dipping Tanks and Containers.

Containers, reservoirs, or tanks used exclusively for dipping operations for coating objects with oils, waxes, or greases where no organic solvents, diluents, or thinners are used; or dipping operations for applying coatings of natural or synthetic resins which contain no organic solvents are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.433. Surface Coat Facility.

Surface coating or stripping facilities, excluding vehicle repair and refinishing shops, shall meet the following conditions of this Section to be permitted by rule.

(1) This Section does not cover metalizing (spraying molten metal onto a surface to form a coating). However, this Section does cover the use of coatings which contain metallic pigments.

(2) All facilities covered by this Section at a site shall implement good housekeeping procedures to minimize fugitive emissions, including the following.

(A) All spills shall be cleaned up immediately.

(B) The booth or work area exhaust fans shall be operating when cleaning spray guns and other equipment.

(C) All new and used coatings and solvents shall be stored in closed containers. All waste coatings and solvents shall be removed from the site by an authorized disposal service or disposed of at a permitted on-site waste management facility.

(3) Drying or curing ovens shall either be electric or meet the following conditions:

(A) The maximum heat input to any oven must not exceed 40 million British thermal units per hour (Btu/hr).

(B) Heat shall be provided by the combustion of one of the following: sweet natural gas; liquid petroleum gas; fuel gas containing no more than 5.0 grains of total sulfur compounds (calculated as sulfur) per 100 dry standard cubic foot; or Number 2 fuel oil with not more than 0.3% sulfur by weight.

(4) No add-on control equipment shall be used to meet the emissions limits of this Section . The total uncontrolled emissions from the coating materials (as applied) and cleanup solvents shall not exceed the following for all operations:

(A) 25 tons per year (tpy) of volatile organic compounds (VOC) and ten tpy of exempt solvents for all surface coating and stripping operations covered by Section at a site;

(B) 30 pounds per hour (lb/hr) of VOC and 5.0 lb/hr of exempt solvents for all surface coating and stripping operations covered by this Section at a site;

(C) if emissions are less than 0.25 lb/hr of VOC and/or exempt solvents, a facility is exempt from the remaining requirements of this Section , including paragraphs (5) - (9) of this Section .

(5) Opacity of visible emissions shall not exceed 5.0%. Compliance shall be determined by the United States Environmental Protection Agency Method 9 averaged over a six-minute period.

(6) The following conditions apply to surface coating operations performed indoors, in a booth, or in an enclosed work area:

(A) no more than six lb/hr of VOC emissions, averaged over any five-hour period, and 500 pounds per week per booth or enclosed work area;

(B) minimum face velocity at the intake opening of each booth or work area is 100 feet per minute (ft/min). Emissions shall be exhausted through elevated stacks that extend at least 1.5 times the building height above ground level. All stacks shall discharge vertically; rain protection shall not restrict or obstruct vertical flow;

(C) for spraying operations, emissions of particulate matter must be controlled using either a water wash system or a dry filter system with a 95% removal efficiency as documented by the manufacturer. The face velocity at the filter shall not exceed 250 ft/min or that specified by the filter manufacturer, whichever is less. Filters shall be replaced whenever the pressure drop across the filter no longer meets the manufacturer’s recommendation.

(7) For surface coating operations that are performed outdoors or in a non-enclosed work area, or for indoor operations that do not meet the conditions of paragraph (6) of this Section , the following conditions apply.

(A) No more than six lb/hr of VOC emissions, averaged over any five-hour period, and 500 pounds per week shall be emitted at any time for all operations authorized by this paragraph.

(B) If coatings applied with spray equipment contain more than 0.1% by weight of chromates, lead, cadmium, selenium, strontium, or cobalt, then total VOC emissions shall be further limited to 240 pounds per week and 2,000 pounds per year. If coatings are applied with non-spray equipment (such as brushes, rollers, dipping or flow coating), the additional restrictions in this paragraph do not apply.

(C) Coating operations shall be conducted at least 50 feet from the property line and at least 250 feet from any recreational area, residence, or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located.

(D) Before construction of the facility begins, written site approval shall be received from the appropriate regional office of the commission or any local program having jurisdiction.

(8) The following records shall be maintained at the plant site for the most recent 24 months and be made immediately available to the commission or any pollution control agency with jurisdiction:

(A) material safety data sheets for all coating materials and solvents;

(B) data of daily coatings and solvent use and the actual hours of operation of each coating or stripping operation;

(C) a monthly report that represents actual hours of operation each day, and emissions from each operation in the following categories:

(i) pounds per hour;

(ii) pounds per day;

(iii) pounds per week; and

(iv) tons emitted from the site during the previous 12 months;

(D) examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions.

(9) Before construction begins, the facility shall be registered with the commission using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.434. Powder Coating Facility.

Surface coating operations utilizing powder coating materials with the powder applied by an electrostatic powder spray gun or an electrostatic fluidized bed are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.435. Classic or Antique Automobile Restoration Facility.

“Classic” or “Antique” vehicle restoration facilities (the terms “classic” and “antique” vehicle as determined by the Texas Department of Public Safety Vehicle Inspection and Registration Section under Texas Transportation Code, Chapter 502, Section 502.274 (concerning Classic Motor Vehicles) or Section 502.275 (concerning Certain Antique Vehicles; Offense)) qualify for this permit by rule if all of the following conditions of this Section are met.

(1) All automobile body/chassis abrasive blast cleaning and coating operations shall be performed in a closed building or enclosure that is located at least 50 feet away from any property lines; or the facility shall be located a minimum of 300 feet from any recreational area or residence not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located, except that structures occupied by security or watch personnel may be located contiguously.

(2) Total abrasive usage shall be less than 100 pounds per hour, 500 pounds per day, and five tons per year.

(3) Combined clean-up material and paint usage, including solvents used for cleaning or thinning purposes, shall be less than five gallons per day and 100 gallons per year.

(4) All waste coatings, solvents, and spent automotive fluids shall be stored in covered containers and disposed of properly.

(5) The owner or operator of the restoration facilities shall maintain daily and annual records in sufficient detail to verify the usage limits in paragraphs (2) and (3) of this Section . These records shall be maintained for a minimum of two years and made available at the request of personnel from the commission or any local pollution control program having jurisdiction.

(6) Facilities conducting vehicle repair and refinishing operations under Section 106.436 of this title (relating to Auto Body Refinishing Facility) may also conduct classic or antique vehicle restoration.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.436. Auto Body Refinishing Facility.

Body repair and refinishing of motorcycle, passenger car, van, light truck and heavy truck and other vehicle body parts, bodies, and cabs is permitted by rule, provided that all the following conditions of this Section are met.

(1) Before construction begins, the facility shall be registered with the commission’s Office of Permitting, Remediation, and Registration in Austin using Form PI-7-124.

(2) Facilities which satisfy one of the following conditions.

(A) Spray operations that use less than 1/2 pint of coatings and solvents per hour are exempt from all of the requirements of this Section except for paragraphs (3), (4), (16), and (17) of this Section .

(B) Spray operations that use less than two gallons of coatings and solvents per week are exempt from all of the requirements of this Section except for paragraphs (3), (4), (8), (11), (12), (14), (16), and (17) of this Section unless additional controls are specified in Section 115.421 of this title (relating to Emission Specifications). Additionally, all overspray emissions must be vented through a filter system that meets the requirements of paragraph (7) of this Section .

(3) Good housekeeping is practiced: spills are cleaned up as soon as possible, equipment is maintained according to manufacturers' instructions, and property is kept clean. In addition, all waste coatings, solvents, and spent automotive fluids including, but not limited to, engine oil, gear oil, transmission fluid, brake fluid, anti-freeze, fresh or waste fuels, and spray booth filters or water wash sludge are disposed of properly. Prior to disposal, all liquid waste shall be stored in covered containers.

(4) There are no visible emissions leaving the property.

(5) All spray coating operations which coat more than nine square feet (one panel) shall be performed in a totally enclosed filtered spray booth or totally enclosed filtered spray area with an air intake area of less than 100 square feet. All spray areas shall be equipped with a fan that achieves one of the following requirements:

(A) a flow capacity of at least 10,000 cubic feet per minute;

(B) a face velocity of at least 100 feet per minute.

(6) All spray coating operations which coat less than nine square feet (one panel) and are not in a totally enclosed booth shall be performed on or in a dedicated preparation area which meets the following requirements.

(A) The preparation area ventilation system shall be operating during spraying, and the exhaust air shall either be vented through a stack to the atmosphere or the air shall be recirculated back into the shop through a carbon adsorption system.

(B) If the preparation area is equipped with a carbon adsorption system, the carbon shall be replaced at the manufacturer's recommended intervals to minimize solvent emissions.

(C) The preparation area ventilation system shall be equipped with a filter or filter system to control paint overspray.

(7) All paint booth, spray area, and preparation area overspray (exhaust) filters or filter systems shall have a particulate control efficiency of at least 90%.

(8) High transfer efficiency coating application equipment shall be used, such as high volume low pressure spray guns. Electrostatic spray guns or other methods, if demonstrated to provide equivalent or better transfer efficiency are acceptable.

(9) Cleanup emissions shall be minimized by implementing the following procedures:

(A) spray and other equipment cleanup is totally enclosed during washing, rinsing, and draining. Non-enclosed cleaners may be used if the vapor pressure of the cleaning solvent is less than 100 millimeters of mercury at 68 degrees Fahrenheit and the solvent is directed toward a drain that leads directly to a remote reservoir;

(B) all wash solvents are kept in an enclosed reservoir that is covered at all times, except when being refilled with fresh solvents;

(C) all waste solvents and other cleaning materials are kept in closed containers.

(10) All spray booth spray area, preparation area, and shop heaters that are not electrically heated must use pipeline quality natural gas or liquified petroleum gas only and the heaters are five million British thermal units per hour or smaller. No firing of waste coatings, solvents, oils, or other automotive fluids shall be permitted on-site.

(11) All spray booth, spray area, and preparation area stack heights shall meet the following requirements.

(A) If the stack is located within 200 feet of a building that is taller than the body shop building, the stack height shall be at least 1.2 times the height of the tallest building or higher as measured from ground level.

(B) If the stack is located greater than 200 feet from a building taller than the body shop building, the stack height shall be at least 1.2 times the height of the body shop building as measured from ground level.

(C) If any ground level elevation within 250 feet of the spray booth stack is greater than the stack height required in subparagraphs (A) and (B) of this paragraph, this Section cannot be used.

(12) Spray booth, spray area, and preparation area stacks shall be located at least 50 feet away from any residence, recreation area, church, school, child care facility, or medical or dental facility.

(13) Rain caps, goose neck exhaust, or other stack heads that would restrict or obstruct vertical discharge of air contaminants shall not be allowed.

(14) The volatile organic compound (VOC) content limits specified in Section 115.421 of this title, concerning automobile and light-duty truck coatings, shall apply to the facility regardless of its location.

(15) Definitions of the coating types specified in subparagraphs (A) - (H) of this paragraph are based on Section 115.10 of this title (relating to Definitions), and the VOC content limits shall be those listed in Section 115.421 of this title. Shop use of the coating categories listed in subparagraphs (A) - (H) of this paragraph in gallons per month shall not be exceeded:

(A) cleanup solvents - 50 gallons per month;

(B) wipe solvents - 50;

(C) precoat - 50;

(D) pretreatment - 50;

(E) sealers - 50;

(F) primers/primer surfacer - 175;

(G) top coats - 320;

(H) specialty coatings - 50.

(16) The following records and reports shall be maintained at the shop site for a consecutive 24-month period and be made immediately available upon request of personnel from the commission or any other air pollution control agency with jurisdiction:

(A) material safety data sheet (MSDS) or other coating data sheets on paint and solvent systems used during the previous 24-month period or currently in use at the shop. The MSDS or coating data sheets should clearly indicate the VOC content of the product and the VOC content of multiple component coatings when mixed according to manufacturers instructions;

(B) records of monthly coating and solvent purchases (invoices from suppliers are acceptable);

(C) records of monthly paint and solvent use if purchase volumes are above the levels specified for any category in paragraph (15) of this Section ;

(D) additional records are kept in sufficient detail, if necessary, to allow an annual emission inventory to be submitted according to the requirements in Section 101.10 of this title (relating to Emissions Inventory Requirements);

(E) records of the United States Environmental Protection Agency and the commission's Office of Permitting, Remediation, and Registration registration or identification numbers for each waste generator.

(17) Compliance with the requirements of this Section does not eliminate the requirement to comply with all rules of the commission, including Section 101.4 of this title (relating to Nuisance). The commission may require a facility to cease operation until the matter is resolved.

(18) After December 31, 1994, the conditions of this permit by rule are effective as to facilities in existence prior to the adoption of this Section .
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER T: SURFACE PREPARATION
Section Section 106.451 - 106.454
Effective September 4, 2000

Section 106.451. Wet Blast Cleaning.

Blast cleaning equipment using a suspension of abrasives in water is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.452. Dry Abrasive Cleaning.

Any abrasive cleaning operation that will satisfy paragraph (1) or (2) of this Section is permitted by rule:

(1) enclosed abrasive cleaning:

(A) the particulate matter emissions are evacuated through a fabric filter with a maximum filtering velocity of 4.0 feet per minute (ft/min) with mechanical cleaning or 7.0 ft/min with air cleaning; and

(B) there are no visible fugitive emissions from the facility.

(2) outside blast cleaning:

(A) abrasive usage rate shall not exceed 150 tons per year, 15 tons per month, and one ton per day; and

(B) the blast cleaning is performed at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located; and

(C) records shall be maintained of operating hours and abrasive material usage; and

(D) before construction begins, the facility is registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7; and

(E) before construction of the facility begins, written site approval shall be received from the executive director.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.453. Washing and Drying of Glass and Metal.

Equipment used for washing or drying products fabricated from metal or glass is permitted by rule, provided no volatile organic materials are used in the process and no oil or solid fuel is burned.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.454. Degreasing Units.

Any degreasing unit that satisfies the following conditions of this Section is permitted by rule.

(1) The following general requirements are applicable to all degreasers unless specifically noted by the conditions of this Section .

(A) Units subject to paragraphs (3) - (5) of this Section shall meet the following:

(i) register with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7 and a Degreasing Unit Checklist;

(ii) on a monthly basis, records shall be kept of total solvent makeup (gross usage minus waste disposal).

(B) Waste solvent from all degreasing operations shall be stored in covered containers, and be removed by a licensed disposal service or until emptying into an authorized on-site waste management facility.

(C) Porous or absorbent materials, such as cloth, leather, wood, or rope shall not be degreased.

(D) Leaks shall be repaired immediately, or the degreaser shall be shut down until repairs are completed.

(E) A permanent and conspicuous label summarizing proper operating procedures to minimize emissions shall be posted on or near the degreaser.

(F) Each unit, regardless of the county in which it is located, shall meet the requirements of Section 115.412 and Section 115.415 of this title (relating to Control Requirements and Testing Requirements).

(2) The following conditions apply only to remote reservoir cleaners.

(A) The cleaner shall be designed to prevent exposure of the solvent reservoir to the atmosphere except for the drain openings. The drain openings shall not exceed 3.0% of the total cleaner open area and shall under no conditions exceed 16 square inches.

(B) All solvent sprays shall be a solid fluid stream (not a fine, atomized, or shower type spray) and at a minimal operating pressure that is necessary to prevent excessive splashing, but not to exceed ten pounds per square inch, gauge (psig).

(C) The true vapor pressure of the solvent shall not exceed 0.6 pounds per square inch, absolute (psia) as measured or calculated at an operating temperature of 100 degrees Fahrenheit.

(D) The solvent shall not be heated.

(3) The following conditions apply only to cold solvent cleaners, not including remote reservoirs.

(A) The cleaner shall have a freeboard that has a minimum four-inch water cover or provides a freeboard ratio (the distance from top of the solvent level to the top edge of the degreasing tank divided by the degreaser width) equal to or greater than 0.7. For water covers, the solvent must be insoluble in and heavier than water.

(B) The unit shall be equipped with a cover which is closed whenever parts are not being handled in the cleaner. Also, the cover must be designed for easy one-handed operation if any of the following conditions are present:

(i) the true vapor pressure of the solvent is greater than 0.3 psia as measured or calculated at 100 degrees Fahrenheit;

(ii) the solvent is agitated;

(iii) the solvent is heated.

(C) If a solvent spray is used, it shall be a solid fluid stream (not a fine, atomized, or shower-type spray) with a minimal operating pressure that is necessary to prevent splashing above the acceptable freeboard. The operating pressure shall not exceed ten psig.

(D) An internal-cleaned parts drainage rack or facility, for enclosed draining under a cover, shall be provided. An external-cleaned parts drainage rack or facility, for enclosed draining under a cover, may be used if the vapor pressure of the solvent is less than 0.6 psia at 100 degrees Fahrenheit. In all cases, parts shall be drained for at least 15 seconds or until dripping ceases.

(E) The Form PI-7 registration is not required if total solvent makeup (gross usage minus waste disposal) is 110 gallons per year (gallon/yr) or less.

(F) Total solvent makeup shall not exceed the following:

(i) chlorinated solvents - 660 gallons/yr;

(ii) all other solvents - 1,500 gallons/yr.

(4) The following conditions apply only to open top solvent vapor degreasers.

(A) The surface area of the solvent shall not exceed 15 square feet.

(B) The unit shall be equipped with a cover that can be opened and closed easily without disturbing the vapor zone. If the degreaser opening exceeds ten square feet, a powered cover shall be required.

(C) The cover shall be closed at all times except when parts are moved into and out of the degreaser.

(D) The unit shall be equipped with a properly sized refrigerated chiller, or the unit shall have a freeboard ratio (the distance from top of the vapor level to the top edge of the degreasing tank divided by the degreaser width) equal to or greater than 0.75.

(E) Exhaust ventilation for the unit shall operate between 50 and 65 cubic feet per minute (cfm) per square foot of degreaser open area unless this conflicts with Occupational Safety and Health Administration (OSHA) requirements. Ventilation fans or other sources of air agitation shall not be operated near the degreaser opening.

(F) The exhaust stacks shall discharge vertically with no restrictions or obstructions to flow. The stack height shall extend at least 1.3 times the building height as measured from ground level.

(G) Total solvent makeup (gross usage minus waste disposal) shall not exceed the following:

(i) chlorinated solvents - 660 gallons/yr;

(ii) all other solvents - 1500 gallons/yr.

(5) The following conditions apply only to conveyorized degreasers.

(A) The inlet and outlet openings shall be closed at all times except when processing work through the degreaser.

(B) The unit shall be equipped with a properly sized refrigerated chiller which has a volatile organic compound removal efficiency of at least 85%, or the unit shall have a freeboard ratio (the distance from top of the vapor level to the top edge of the degreasing tank divided by the degreaser width) equal to or greater than 0.75.

(C) A drying tunnel or other means of control shall be used to limit liquid or vapor carry-out.

(D) Entrances and exits to the degreaser shall be designed to silhouette work loads.

(E) Exhaust ventilation for the unit shall operate between 50 and 65 cfm per square foot of degreaser opening unless this conflicts with OSHA requirements. Ventilation fans or other sources of air agitation shall not be operated near the degreaser openings.

(F) The exhaust stacks shall discharge vertically with no restrictions or obstructions to flow. The stack height shall extend at least 1.5 times the building height as measured from ground level.

(G) Total solvent makeup (gross usage minus waste disposal) shall not exceed the following:

(i) chlorinated solvents - 660 gallons/yr;

(ii) all other solvents - 1,500 gallons/yr.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER U : TANKS, STORAGE, AND LOADING
Section Section 106.471 - 106.478
Effective September 4, 2000

Section 106.471. Storage or Holding of Dry Natural Gas.

Equipment used exclusively to store or hold dry natural gas is permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.472. Organic and Inorganic Liquid Loading and Unloading.

Liquid loading or unloading equipment for railcars, tank trucks, or drums; storage containers, reservoirs, tanks; and change of service of material loaded, unloaded, or stored is permitted by rule, provided that no visible emissions result and the chemicals loaded, unloaded, or stored are limited to:

(1) the following list: asphalt, resins, soaps, lube oils, fuel oils, waxes, polymers, detergents, lube oil additives, kerosene, wax emulsions, vegetable oils, greases, animal fats, and diesel fuels;

(2) water or wastewater;

(3) aqueous salt solutions;

(4) aqueous caustic solutions, except ammonia solutions;

(5) inorganic acids except oleum, hydrofluoric, and hydrochloric acids;

(6) aqueous ammonia solutions if vented through a water scrubber;

(7) hydrochloric acid if vented through a water scrubber;

(8) acetic acid if vented through a water scrubber;

(9) organic liquids having an initial boiling point of 300 degrees Fahrenheit or greater. Facilities loading, unloading, or storing butyric acid, isobutyric acid, methacrylic acid, mercaptans, croton oil, 2-methyl styrene, or any other compound with an initial boiling point of 300 degrees Fahrenheit or greater listed in 40 Code of Federal Regulations 261, Appendix VIII shall be located at least 500 feet from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.473. Organic Liquid Loading and Unloading.

Organic liquids loading or unloading equipment for railcars, tank trucks, or drums; and storage containers, tanks, or change of service of the material loaded, unloaded, or stored is permitted by rule, provided that all of the following conditions of this Section are met.

(1) Uncontrolled emissions calculated using the version of AP-42 in effect at the time are less than 25 tons per year of organic compounds or of any other air contaminant.

(2) The loading rate of the facilities does not exceed 20,000 gallons per day averaged over any consecutive 30-day period.

(3) The capacity of any tank does not exceed 25,000 gallons, except that tanks having a capacity of less than 40,000 gallons may be used to store sweet crude oil, sweet natural gas condensate, gasoline, and petroleum fuels.

(4) The facilities are used exclusively for the loading, unloading, or storage of:

(A) organic liquids normally used as solvents, diluents, thinners, inks, colorants, paints, lacquers, enamels, varnishes, liquid resins, or other surface coatings;

(B) petroleum, petroleum fuels, other motor vehicle fuels, and natural gas liquids, none of which have a true vapor pressure of 11.0 pounds per square inch, absolute, or greater at maximum temperature of use;

(5) The facilities will meet any applicable requirements of Chapter 115 of this title (relating to Control of Air Pollution from Volatile Organic Compounds);

(6) Facilities used for the loading, unloading, or storage of any compound listed in 40 Code of Federal Regulations 261, Appendix VIII are not permitted by rule under this Section .
Adopted August 9, 2000 Effective September 4, 2000

Section 106.474. Hydrochloric Acid Storage.

Hydrochloric acid storage tanks used exclusively for the storage of hydrochloric acid with an acid strength of 38% by weight or less are permitted by rule. If an acid more concentrated than 20% by weight is stored, the tank vent must be controlled to reduce emissions by at least 99%.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.475. Pressurized Tanks or Tanks Vented to a Firebox.

Any vessel storing carbon compounds composed only of carbon, hydrogen, or oxygen is permitted by rule, provided that the vessel vent is directed to an incinerator, boiler, or other firebox having a stationary flue or a waste gas flare system that will operate with no visible emissions except as provided by Chapter 101 of this title (relating to General Air Quality Rules) for periods of maintenance or operational upset. However, vessels not exceeding 100 barrels capacity and storing only liquid petroleum gas may have the safety relief valve vent directly to the atmosphere. Also, any tank having a capacity not to exceed 1,000 gallons and storing only commercial odorants used to odorize petroleum gases may have the safety relief valve vent directly to the atmosphere.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.476. Pressurized Tanks or Tanks Vented to Control.

Any tank or other container storing carbon compounds is permitted by rule, provided that the tank or container pressure is sufficient at all times to prevent vapor or gas loss to the atmosphere or the tank or container is equipped with a relief valve which directs all vapors or gases to an incinerator, boiler, or other firebox having a stationary flue or a waste gas smokeless flare system. The vapors or gases and any necessary fuel gas shall be mixed thoroughly upstream of the heater burner(s) or the flare tip such that the mixed gases have a minimum net or lower heating value of 200 British thermal units per cubic foot. The flare also shall meet the other requirements of Section 106.492 of this title (relating to Flares).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.477. Anhydrous Ammonia Storage.

Anhydrous ammonia storage tanks and distribution facilities that meet the following conditions are permitted by rule.

(1) All valves, connectors, and hoses, associated with permanent storage tanks and any nurse tanks stored on-site, shall be properly maintained in leak-proof condition at all times.

(2) The capacity of each permanent storage tank is 30,000 gallons or less.

(3) When transferring ammonia, all vapors shall be vented back to the host tank and never to the atmosphere.

(4) When relieving pressure from hoses associated with permanent storage tanks and any nurse tanks, all vapors shall be bled into an adequate volume of water and never to the atmosphere.

(5) Each permanent storage tank and any nurse tanks stored on-site are equipped to prevent unauthorized operation.

(6) Before construction begins, written site approval must be received from the regional director and the owner or operator shall file with the commission's Office of Permitting, Remediation, and Registration in Austin a completed Form PI-7 and supporting documentation demonstrating that all of the requirements of this Section will be met.

(7) Each permanent storage tank is located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner of the property upon which the facility is located.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.478. Storage Tank and Change of Service.

Any fixed or floating roof storage tank, or change of service in any tank, used to store chemicals or mixtures of chemicals shown in Table 478 in paragraph (8) of this Section is permitted by rule, provided that all of the following conditions of this Section are met:

(1) The tank shall be located at least 500 feet away from any recreational area or residence or other structure not occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.

(2) The true vapor pressure of the compound to be stored shall be less than 11.0 psia at the maximum storage temperature.

(3) For those compounds that have a true vapor pressure greater than 0.5 psia and less than 11.0 psia at the maximum storage temperature, any storage vessel larger than 40,000 gallons capacity shall be equipped with an internal floating cover or equivalent control.

(A) An open top tank containing an external floating roof using double seal technology shall be an approved control alternative equivalent to an internal floating cover tank, provided the primary seal consists of either a mechanical shoe seal or a liquid-mounted seal. Double seals having a vapor-mounted primary seal are an approved alternative for existing open top floating roof tanks undergoing a change of service.

(B) The floating cover or floating roof design shall incorporate sufficient flotation to conform to the requirements of American Petroleum Institute Code 650, Appendix C or an equivalent degree of flotation.

(4) Compounds with a true vapor pressure of 0.5 psia or less at the maximum storage temperature may be stored in a fixed roof or cone roof tank which includes a submerged fill pipe or utilizes bottom loading.

(5) For fixed or cone roof tanks having no internal floating cover, all uninsulated tank exterior surfaces exposed to the sun shall be painted chalk white except where a dark color is necessary to help the tank absorb or retain heat in order to maintain the material in the tank in a liquid state.

(6) Emissions shall be calculated by methods specified in Section 4.3 of the current edition of the United States Environmental Protection Agency Publication AP-42. This document may be obtained from the Superintendent of Documents, Washington D.C. 20402. It is Stock Number 0550000251-7, Volume I.

(7) Before construction begins, storage tanks of 25,000 gallons or greater capacity and located in a designated nonattainment area for ozone shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7. The registration shall include a list of all tanks, calculated emissions for each carbon compound in tons per year for each tank, and a Table 7 of Form PI-2 for each different tank design.

(8) Mixtures of the chemicals listed in Table 478 which contain more than a total of 1.0% by volume of all other chemicals not listed in Table 478 are not covered by this Section .

Table 478
Approved Chemical List for Exemption from Permitting

A. Compounds of the following classes containing only atoms of carbon and hydrogen, not including aromatic compounds:
Paraffins. Examples: hexane, pentane, octane, isooctane.
Cycloparaffins (except cyclopentane). Examples: cyclohexane, methyl cyclopentane.
Olefins (except butadiene). Examples: octene, isoprene.
Cycloolefins. Examples: cyclopentadiene, cyclohexene.

B. Aromatic hydrocarbons only as follows: Ethyl benzene, styrene, xylenes.

C. Compounds of the following classes containing only atoms of carbon, hydrogen, and oxygen:
Alcohols (except allyl alcohol, isobutyl alcohol, and propargyl alcohol). Examples of approved alcohols: butyl alcohol, ethylene glycol.

Ethers (except vinyl ethers, glycol ethers, epoxides, and other ringed oxide compounds such as ketenes, furans, and pyrans). Examples of approved ethers: butyl ether, isopropyl ether.

Esters (except acrylates, methacrylates, allyl acetate, vinyl acetate, isopropyl formate). Examples of approved esters: ethyl acetate, butyl formate, methyl propionate.

Ketones (except allyl acetone, methyl ethyl ketone, methyl normal butyl ketone, acetophenone, and vinyl ketones). Examples of approved ketones: acetone, hexanone.

D. Additional chemicals:

Crude oil and refinery petroleum fractions (except pyrolysis naphthas and pyrolysis gasolines) containing less than 10% benzene. Examples of approved petroleum fractions: intermediate and finished gasolines, naphthas, alkylates, fluid catalytic cracking unit feed, fuel oils, distillates, other liquid fuels, and condensates. Natural gas and crude oil condensates that do not emit sour gas.

E. Non-approved chemicals:

Other chemicals not specifically included within the classes defined above are not approved. Examples of non-approved chemicals: aromatics (other than those listed or those found in the crude oil and refinery liquids as listed); aldehydes; amines; amides; imines; nitriles; halogenated compounds; sulfonated chemicals; cyanates; organic acids; ethylene oxide (EtO), propylene oxide, and other oxygenated compounds not listed; organometallic compounds; pesticides.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER V: THERMAL CONTROL DEVICES
Section Section 106.491 - 106.496
Effective September 4, 2000

Section 106.491. Dual Chamber Incinerators.

Dual-chambered incinerators which burn only waste generated on-site and which meet the conditions of this Section are permitted by rule. Incinerators used in the processing or recovery of materials or to dispose of pathological waste

as defined in Section 106.494 of this title (relating to Pathological Waste Incinerators), hospital waste, and/or infectious waste are not authorized by this Section .

(1) The incinerator shall meet the following design requirements.

(A) The incinerator shall be equipped with an afterburner automatically controlled to operate with a minimum temperature of 1,400 degrees Fahrenheit and a minimum gas retention time of 0.5 seconds.

(B) The manufacturer's rated capacity (burn rate) shall be 500 pounds per hour or less.

(C) Stacks shall have unobstructed vertical discharge when the incinerator is operated. Properly installed and aintained spark arrestors are not considered obstructions.

(D) Stack height shall be six feet above the peak of the highest building within 150 feet.

(2) The incinerator shall meet the following operational conditions.

(A) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.

(B) Fuel for the incinerator shall be limited to sweet natural gas, liquid petroleum gas, Number 2 fuel oil with less than 0.5% sulfur by weight, or electric power.

(C) This facility shall be used solely for the disposal of the following waste materials generated on-site: paper, wood, cardboard cartons, rags, garbage (animal and vegetable wastes as defined in Chapter 101 of this title (relating to General Rules)), and combustible floor sweepings; containing overall not more than 10% treated papers, plastic, or rubber scraps. Neither garbage content nor moisture content shall exceed 50% and noncombustible solids shall not exceed 10%.

(D) The manufacturer's recommended operating instructions shall be posted at the incinerator and the unit shall be operated in accordance with these instructions.

(E) Incinerator owners and operators shall meet the monitoring, testing, reporting, and recordkeeping requirements found in Chapter 111 of this title (relating to Control of Air Pollution from Visible Emissions and Particulate Matter).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.492. Flares.

Smokeless gas flares which meet the following conditions of this Section are permitted by rule:

(1) design requirements.

(A) The flare shall be equipped with a flare tip designed to provide good mixing with air, flame stability, and a tip velocity less than 60 feet per second (ft/sec) for gases having a lower heating value less than 1,000 British thermal units per cubic foot (Btu/ft3) or a tip velocity less than 400 ft/sec for gases having a lower heating value greater than 1,000 Btu/ft3.

(B) The flare shall be equipped with a continuously burning pilot or other automatic ignition system that assures gas ignition and provides immediate notification of appropriate personnel when the ignition system ceases to function. A gas flare which emits no more than 4.0 pounds per hour (lb/hr) of reduced sulfur compounds, excluding sulfur oxides, is exempted from the immediate notification requirement, provided the emission point height meets the requirements of Section 106.352(4) of this title (relating to Oil and Gas Production Facilities).

(C) A flare which burns gases containing more than 24 parts per million by volume (ppmv) of sulfur, chlorine, or compounds containing either element shall be located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the flare or the owner of the property upon which the flare is located.

(D) The heat release of a flare which emits sulfur dioxide (SO2) or hydrogen chloride (HCl) shall be greater than or equal to the following values:

For HCl Q = 2.73 X 105 X HCl

For SO2 Q = 0.53 X 105 X SO2

Where Q = heat release, British thermal units per hour, based on lower heating value

HCl = HCl emission rate, lb/hr

SO2 = SO2 emission rate, lb/hr

(2) operational conditions.

(A) The flare shall burn a combustible mixture of gases containing only carbon, hydrogen, nitrogen, oxygen, sulfur, chlorine, or compounds derived from these elements. When the gas stream to be burned has a net or lower heating value of more than 200 Btu/ft3 prior to the addition of air, it may be considered combustible.

(B) A flare which burns gases containing more than 24 ppmv of sulfur, chlorine, or compounds containing either element shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7 prior to construction of a new flare or prior to the use of an existing flare for the new service.

(C) Under no circumstances shall liquids be burned in the flare.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.493 Direct Flame Incinerators

Direct flame incinerators installed for the purpose of reducing or eliminating non-halogenated volatile organic compound vapors and/or aerosols (but not liquids or solids) are exempt, provided the following conditions of this Section are satisfied.

(1) Before construction begins, the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7.

(2) Each direct flame incinerator shall be automatically controlled to maintain a minimum temperature of 1,400 degrees Fahrenheit in the combustion chamber (secondary chamber if dual-chambered) and a gas retention time of 0.5 second or greater.

(3) Continuous temperature monitors to record the temperature of the combustion chamber (secondary chamber if dual chambered) shall be installed and maintained. Temperature data shall be maintained on a rolling two-year retention basis and shall be made available at the request of personnel from the commission or any local air pollution control program having jurisdiction.

(4) Manufacturer's recommended operating instructions shall be posted at each incinerator and each unit shall be operated in accordance with these instructions.

(5) Opacity of emissions from the incinerator shall not exceed 5.0% averaged over a five-minute period.

(6) There shall be no obstructions to stack flow, such as by rain caps, unless such devices are designed to automatically open when the incinerator is in operation. Properly installed and maintained spark arrestors are not considered obstructions.

(7) Heat for the incinerator shall be provided by the combustion of sweet natural gas, liquid petroleum gas, or Number 2 fuel oil with no more than 0.5% sulfur by weight or by electric power.

(8) The gases being incinerated shall contain no halogenated organic compounds.

(9) This Section shall not apply to catalytic incinerators or direct flame incinerators installed to control emissions from new or modified facilities subject to the requirements of Chapter 116 of this title (relating to Control of Air Pollution by Permits for New Construction or Modification).
Adopted August 9, 2000 Effective September 4, 2000

Section 106.494. Pathological Waste Incinerators.

(a) Definitions. The following words and terms, when used in this Section , shall have the following meanings, unless the context clearly indicates otherwise.

(1) **Pathological waste (as defined in 25 TAC Section 1.132 (relating to Definitions))-**
Includes, but is not limited to:

(A) human materials removed during surgery, labor and delivery, autopsy, or biopsy, including:

(i) body parts;

(ii) tissues or fetuses;

(iii) organs; and

(iv) bulk blood and body fluids;

(B) products of spontaneous or induced human abortions, including body parts, tissues, fetuses, organs, and bulk blood and body fluids, regardless of the period of gestation;

(C) laboratory specimens of blood and tissue after completion of laboratory examination; and

(D) anatomical remains.

(2) **Human remains (as defined in Health and Safety Code (H&SC), Section 711.001)** -
The body of decedent.

(3) **Carcasses** - Dead animals, in whole or part.

(4) **Crematory (as defined in the H&SC, Section 711.001)** - A structure containing a furnace used or intended to be used for the cremation of human remains.

(5) **Animal feeding operations** - A lot or facility (other than an aquatic animal feeding facility or veterinary facility) where animals are stabled or confined and fed or maintained for a total of 45 days or more in any 12-month period, and the animal confinement areas do not sustain crops, vegetation, forage growth, or post-harvest residues in the normal growing season.

(6) **Non-commercial incinerator** - An incinerator which does not accept pathological waste or carcasses generated off-site for monetary compensation.

(7) **Stack height** - Elevation of the stack exit above the ground.

(b) Conditions of permit by rule. Crematories and non-commercial incinerators used to dispose of pathological waste and carcasses which meet the following conditions of this Section are permitted by rule. Incinerators used in the recovery of materials are not covered by this Section .

(1) Design requirements.

(A) The manufacturer's rated capacity (burn rate) shall be 200 pounds per hour (lbs/hr) or less.

(B) The incinerator shall be a dual-chamber design.

(C) Burners shall be located in each chamber, sized to manufacturer's specifications, and operated as necessary to maintain the minimum temperature requirements of subparagraphs (D) or (E) of this paragraph at all times when the unit is burning waste.

(D) Excluding crematories, the secondary chamber much be designed to maintain a temperature of 1,600 degrees Fahrenheit or more with a gas residence time of 1/2 second or more.

(E) In lieu of subparagraph (D) of this paragraph, incinerators at animal feeding operations that:

(i) are used to dispose of carcasses generated on-site; and

(ii) are located a minimum of 700 feet from the nearest property line, shall be designed to maintain a secondary chamber temperature of 1,400 degrees Fahrenheit or more with a gas residence time of 1/4 second or more. Alternatively, incinerators may be located in accordance with Table 494, provided the total manufacturer's rated capacity (burn rate) of all units located less than 700 feet from a property line shall not exceed 200 lb/hr. Setback distances shall be measured from the stack exit.

Table 494

Stack Height (feet)	Property Line Distance (feet) For 24-hour Operation	Property Line Distance (feet) For *Daytime-only Operation
8 or less	210	150
>8 and ≤ 12	200	140
>12 and ≤ 16	180	130
>16 and ≤ 20	160	110
> than 20	140	90

*One hour after sunrise to one hour before sunset

(F) There shall be no obstructions to stack flow, such as by rain caps, unless such devices are designed to automatically open when the incinerator is operated. Properly installed and maintained spark arresters are not considered obstruction.

(2) Operational conditions.

(A) Before construction begins, the facility shall be registered with the commission using Form PI-7.

(B) The manufacturer's recommended operating instructions shall be posted at the unit and the unit shall be operated in accordance with these instructions.

(C) The opacity of emissions from the incinerator shall not exceed 5.0% averaged over a six-minute period.

(D) Heat shall be provided by the combustion of sweet natural gas, liquid petroleum gas, or Number 2 fuel oil with less than 0.3% sulfur by weight, or by electric power.

(E) Incinerators installed and operated in accordance with the conditions of this Section shall not be used to dispose of any medical waste, other than pathological waste and/or carcasses.

(F) Incinerators installed and operated in accordance with the conditions of this Section shall also meet the requirements of Section Section 111.121, 111.125, 111.127, and 111.129 of this title (relating to Single-, Dual-, and Multiple-Chamber Incinerators; Testing Requirements; Monitoring and Recordkeeping Requirements; and Operating Requirements).

(G) Crematories shall be used for the sole purpose of cremation of human remains and appropriate containers.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.495. Heat Cleaning Devices.

Heat cleaning devices (such as ovens, furnaces, and/or direct flame incinerators) used to thermally remove residual combustible or semi-combustible materials from noncombustible electrical or mechanical parts are permitted by rule, provided the following conditions of this Section are satisfied.

(1) Before construction begins, the facility shall be registered with the commission's Office of Permitting, Remediation, and Registration in Austin using Form PI-7.

(2) The combustible material shall not exceed 10% by weight of the total load to the oven, furnace, and/or incinerator.

(3) The combustible material shall contain no halogenated organic compounds.

(4) The oven, furnace, and/or incinerator shall be equipped with an afterburner automatically controlled to operate with a minimum temperature of 1,400 degrees Fahrenheit and a gas retention time of 0.5 second or greater.

(5) Opacity of emissions from the oven, furnace, and/or incinerator shall not exceed 5.0% averaged over a five-minute period.

(6) The manufacturer's recommended operating instructions shall be posted at each oven, furnace, and/or incinerator, and each unit shall be operated in accordance with these instructions.

(7) Heat shall be provided by the combustion of sweet natural gas, liquid petroleum gas, or Number 2 fuel oil with no more than 0.5% sulfur by weight, or by electric power.

(8) The emission of any air contaminant shall not exceed 0.5 pounds per hour and 2.0 tons per year.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.496 Trench Burners

Any trench burner that operates according to the following conditions of this Section is exempt.

(1) The trench burner shall be operated at least 300 feet from any recreational area, residence, or other structure not occupied or used solely by the owner of the trench burner or the owner of the property upon which the trench burner is located.

(2) The trench shall be opened in undisturbed soil not previously excavated, built up, compacted, or used in any type of landfill operation.

(3) The trench shall be no wider than 12 feet with a minimum depth of ten feet. The maximum length of the burning area as measured along the bottom of the trench shall not exceed by more than five feet the length of the manifold. The walls of the trench must be maintained such that they remain vertical.

(4) Operation of this trench burner is limited to the hours between 8:00 a.m. and 6:00 p.m., and is limited to a total of eight hours per day and 1,000 hours per year. A written record or log of the hours of operation of this trench burner shall be maintained at the site and made available at the request of personnel from the commission or any local air pollution control program having jurisdiction. This record or log shall be organized such that the compliance status of this special condition can be readily determined.

(5) Material shall not be added to the trench such that the material will not be consumed by 6:00 p.m.

(6) The blower shall remain on until all material is consumed so that any remaining material in the trench will not smoke when the blower is turned off.

(7) This trench burner shall not be operated when an air stagnation advisory is in effect for the area in which the trench burner is located.

(8) Opacity of emissions from the trench and from operation of the blower shall not exceed 20% averaged over a five-minute period, except for a start-up period which shall not exceed 20 minutes. Opacity shall be measured as outlined in Chapter 13, "Visible Emissions Evaluation," of the commission's Sampling Procedures Manual, as published in January 1983, and as subsequently revised.

(9) Material to be burned in the trench is limited to not more than 7.0 tons per hour of trees, brush, and untreated lumber. Material not being worked and material being stockpiled to be burned at a later date must be kept at least 75 feet from the trench.

(10) Material shall not be added to the trench in such a manner as to be stacked above the air curtain at any time.

(11) The ash generated by this operation shall be removed from the trench as necessary in order to maintain the minimum trench depth of ten feet. The ash shall be removed in such a manner as to minimize the ash becoming airborne. All material removed from the trench must be completely extinguished before being landfilled or placed in contact with combustible material to prevent combustion outside of the trench or in the landfill.

(12) A copy of this Section shall be kept at the burn site and made available at the request of personnel from the commission or any local air pollution control program having jurisdiction.

(13) Operating instructions shall be posted at the burn site and all operators shall read and have knowledge of these instructions. The operating instructions shall be made available at the request of personnel from the commission or any local air pollution control program having jurisdiction.

(14) An operator shall remain with the trench burner at all times when it is operating.

(15) Upon notification by a representative of the commission or any local air pollution control program having jurisdiction that the trench burner is not complying with the conditions of this Section , no additional material shall be added to the trench until compliance with such conditions has been effected.

(16) The Texas Natural Resource Conservation Commission (TNRCC) shall be notified by the owner or operator of the trench burner prior to use of the trench burner at a TNRCC permitted landfill.

(17) Upon removal of the trench burner from the burn site, the trench shall be completely filled with uncombustible material.

(18) Before operation of the facility begins at any site, written site approval shall be received from the executive director and any local air pollution control program having jurisdiction in the area and the facility shall be registered with the commission's Office of Air Quality in Austin using Form PI-7.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER W: TURBINES AND ENGINES
Section 106.511, Section 106.512
Effective September 4, 2000

Section 106.511. Portable and Emergency Engines and Turbines.

Internal combustion engine and gas turbine driven compressors, electric generator sets, and water pumps, used only for portable, emergency, and/or standby services are permitted by rule, provided that the maximum annual operating hours shall not exceed 10% of the normal annual operating schedule of the primary equipment; and all electric motors. For purposes of this Section , “standby” means to be used as a “substitute for” and not “in addition to” other equipment.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.512. Stationary Engines and Turbines.

Gas or liquid fuel-fired stationary internal combustion reciprocating engines or gas turbines that operate in compliance with the following conditions of this Section are exempt.

(1) The facility shall be registered by submitting the commission's Form PI-7, Table 29 for each proposed reciprocating engine, and Table 31 for each proposed gas turbine to the commission's Office of Air Quality in Austin within ten days after construction begins. Engines and turbines rated less than 240 horsepower (hp) need not be registered, but must meet paragraphs (5) and (6) of this Section , relating to fuel and protection of air quality. Engine hp rating shall be based on the engine manufacturer's maximum continuous load rating at the lesser of the engine or driven equipment's maximum published continuous speed. A rich-burn engine is a gas-fired spark-ignited engine that is operated with an exhaust oxygen content less than 4.0% by volume. A lean-burn engine is a gas-fired spark-ignited engine that is operated with an exhaust oxygen content of 4.0% by volume, or greater.

(2) For any engine rated 500 hp or greater, subparagraphs (A)-(C) of this paragraph shall apply.

(A) The emissions of nitrogen oxides (NOx) shall not exceed the following limits:

(i) 2.0 grams per horsepower-hour (g/hp-hr) under all operating conditions for any gas-fired rich-burn engine;

(ii) 2.0 g/hp-hr at manufacturer's rated full load and speed, and other operating conditions, except 5.0 g/hp-hr under reduced speed, 80-100% of full torque conditions, for any spark-ignited, gas-fired lean-burn engine, or any compression-ignited dual fuel-fired engine manufactured new after June 18, 1992;

(iii) 5.0 g/hp-hr under all operating conditions for any spark-ignited, gas-fired, lean-burn two-cycle or four-cycle engine or any compression-ignited dual fuel-fired engine rated 825 hp or greater and manufactured after September 23, 1982, but prior to June 18, 1992;

(iv) 5.0 g/hp-hr at manufacturer's rated full load and speed and other operating conditions, except 8.0 g/hp-hr under reduced speed, 80-100% of full torque conditions for any spark-ignited, gas-fired, lean-burn four-cycle engine, or any compression-ignited dual fuel-fired engine that:

(I) was manufactured prior to June 18, 1992, and is rated less than 825 hp; or

(II) was manufactured prior to September 23, 1982;

(v) 8.0 g/hp-hr under all operating conditions for any spark-ignited, gas-fired, two-cycle lean-burn engine that:

(I) was manufactured prior to June 18, 1992, and is rated less than 825 hp; or

(II) was manufactured prior to September 23, 1982;

(vi) 11.0 g/hp-hr for any compression-ignited liquid-fired engine.

(B) For such engines which are spark-ignited gas-fired or compression-ignited dual fuel-fired, the engine shall be equipped as necessary with an automatic air-fuel ratio (AFR) controller which maintains AFR in the range required to meet the emission limits of subparagraph (A) of this paragraph. An AFR controller shall be deemed necessary for any engine controlled with a non-selective catalytic reduction (NSCR) converter and for applications where the fuel heating value varies more than plus or minus 50 British thermal unit/standard cubic feet from the design lower heating value of the fuel. If an NSCR converter is used to reduce NOx, the automatic controller shall operate on exhaust oxygen control.

(C) Records shall be created and maintained by the owner or operator for a period of at least two years, made available, upon request, to the commission and any local air pollution control agency having jurisdiction, and shall include the following:

(i) documentation for each AFR controller, manufacturer's, or supplier's recommended maintenance that has been performed, including replacement of the oxygen sensor as necessary for oxygen sensor-based controllers. The oxygen sensor shall be replaced at least quarterly in the absence of a specific written recommendation;

(ii) documentation on proper operation of the engine by recorded measurements of NOx and carbon monoxide (CO) emissions as soon as practicable, but no later than seven days following each occurrence of engine maintenance which may reasonably be expected to increase emissions, changes of fuel quality in engines without oxygen sensor-based AFR controllers which may reasonably be expected to increase emissions, oxygen sensor replacement, or catalyst cleaning or catalyst replacement. Stain tube indicators specifically designed to measure NOx and CO concentrations shall be acceptable for this documentation, provided a hot air probe or equivalent device is used to prevent error due to high stack temperature, and three sets of concentration measurements are made and averaged. Portable NOx and CO analyzers shall also be acceptable for this documentation;

(iii) documentation within 60 days following initial engine start-up and biennially thereafter, for emissions of NOx and CO, measured in accordance with United States Environmental Protection Agency (EPA) Reference Method 7E or 20 for NOx and Method 10 for CO. Exhaust flow rate may be determined from measured fuel flow rate and EPA Method 19. California Air Resources Board Method A-100 (adopted June 29, 1983) is an acceptable alternate to EPA test methods. Modifications to these methods will be subject to the prior approval of the Source and Mobile Monitoring Division of the commission. Emissions shall be measured and recorded in the as-found operating condition; however, compliance determinations shall not be established during start-up, shutdown, or under breakdown conditions. An owner or operator may submit to the appropriate regional office a report of a valid emissions test performed in Texas, on the same engine, conducted no more than 12 months prior to the most recent start of construction date, in lieu of performing an emissions test within 60 days following engine start-up at the new site. Any such engine shall be sampled no less frequently than biennially (or every 15,000 hours of elapsed run time, as recorded by an elapsed run time meter) and upon request of the executive director. Following the initial compliance test, in lieu of performing stack sampling on a biennial calendar basis, an owner or operator may elect to install and operate an elapsed operating time meter and shall test the engine within 15,000 hours of engine operation after the previous emission test. The owner or operator who elects to test on an operating hour schedule shall submit in writing, to the appropriate regional office, biennially after initial sampling, documentation of the actual recorded hours of engine operation since the previous emission test, and an estimate of the date of the next required sampling.

(3) For any gas turbine rated 500 hp or more, subparagraphs (A) and (B) of this paragraph shall apply.

(A) The emissions of NOx shall not exceed 3.0 g/hp-hr for gas-firing.

(B) The turbine shall meet all applicable NOx and sulfur dioxide (SO2) (or fuel sulfur) emissions limitations, monitoring requirements, and reporting requirements of EPA New Source Performance Standards Subpart GG--Standards of Performance for Stationary Gas Turbines. Turbine hp rating shall be based on turbine base load, fuel lower heating value, and International Standards Organization Standard Day Conditions of 59 degrees Fahrenheit, 1.0 atmosphere and 60% relative humidity.

(4) Any engine or turbine rated less than 500 hp or used for temporary replacement purposes shall be exempt from the emission limitations of paragraphs (2) and (3) of this Section . Temporary replacement engines or turbines shall be limited to a maximum of 90 days of operation after which they shall be removed or rendered physically inoperable.

(5) Gas fuel shall be limited to: sweet natural gas or liquid petroleum gas, fuel gas containing no more than ten grains total sulfur per 100 dry standard cubic feet, or field gas. If field gas contains more than 1.5 grains hydrogen sulfide or 30 grains total sulfur compounds per 100 standard cubic feet (sour gas), the engine owner or operator shall maintain records, including at least quarterly measurements of fuel hydrogen sulfide and total sulfur content, which demonstrate that the annual SO2 emissions from the facility do not exceed 25 tons per year (tpy). Liquid fuel shall be petroleum distillate oil that is not a blend containing waste oils or solvents and contains less than 0.3% by weight sulfur.

(6) There will be no violations of any National Ambient Air Quality Standard (NAAQS) in the area of the proposed facility. Compliance with this condition shall be demonstrated by one of the following three methods:

(A) ambient sampling or dispersion modeling accomplished pursuant to guidance obtained from the executive director. Unless otherwise documented by actual test data, the following nitrogen dioxide (NO2) /NOx ratios shall be used for modeling NO2 NAAQS;

Device	NO_x Emission Rate (Q) g/hp-hr	NO_2/NO_x Ratio
IC Engine	Less than 2.0	0.4
IC Engine	2.0 thru 10.0	0.15 + (0.5/Q)
IC Engine	Greater than 10.0	0.2
Turbines		0.25
IC Engine with catalytic converter		0.85

B) all existing and proposed engine and turbine exhausts are released to the atmosphere at a height at least twice the height of any surrounding obstructions to wind flow. Buildings, open-sided roofs, tanks, separators, heaters, covers, and any other type of structure are considered as obstructions to wind flow if the distance from the nearest point on the obstruction to the nearest exhaust stack is less than five times the lesser of the height, Hb, and the width, Wb, where:

Hb = maximum height of the obstruction, and
Wb = projected width of construction

2 square root of {(L x W)/(3.141)}

where:

L = length of obstruction
W = width of obstruction

(C) the total emissions of NOx (nitrogen oxide plus NO2) from all existing and proposed facilities on the property do not exceed the most restrictive of the following:

(i) 250 tpy;

(ii) the value (0.3125 D) tpy, where D equals the shortest distance in feet from any existing or proposed stack to the nearest property line.
Adopted August 9, 2000 Effective September 4, 2000

SUBCHAPTER X: WASTE PROCESSES AND REMEDIATION
Section Section 106.531 - 106.534
Effective September 4, 2000

Section 106.531. Sewage Treatment Facility.

Sewage treatment facilities, excluding combustion or incineration equipment, land farms, or grease trap waste handling or treatment facilities are permitted by rule.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.532. Water and Wastewater Treatment.

Water and wastewater treatment units are permitted by rule, provided the following conditions of this Section are met.

(1) The facility performs only the following functions:

(A) disinfection;

(B) softening;

(C) filtration;

(D) flocculation;

(E) stabilization;

(F) taste and odor control;

(G) clarification;

(H) carbonation;

(I) sedimentation;

(J) neutralization;

(K) chlorine removal;

(L) activated sludge treatment, anaerobic treatment, and associated control of gases from these treatments;

(M) aerobic oxidation/biodegration using oxygen or peroxide in the absence of nitrogen or other gas that would cause stripping of volaltile organic compounds (VOC) from the water;

(N) stripping VOC, ammonia, or other air contaminants from the water with air or other gas, provided the stripped gases are controlled with an abatement system that meets the requirements of Section 106.533(5) of this title (relating to Water and Soil Remediation). For ammonia or hydrogen chloride (HCl) or other acid gas emissions, abatement may include a water or caustic scrubbing system as a means of complying with this Section . Final emissions of HCl resulting from combustion of chlorine or chlorine-containing compounds shall not exceed 0.1 pounds per hour;

(O) liquid phase separation of VOC and water in which:

(i) the sum of the partial pressures of all species of VOC in any sample is less than 1.5 psia; or

(ii) the separator is enclosed and emissions are vented through an emission abatement system meeting the requirements specified previously for stripped VOC and ammonia;

(2) Chlorine or sulfur dioxide (SO2) shall be used only in containers approved by the United States Department of Transportation and emissions of chlorine or SO2 from treatment of water or decontamination of equipment at any water treatment plant shall not exceed ten tons per year.

(3) The following shall not be permitted by rule under this Section :

(A) gas stripping or aeration facilities where VOC or other air contaminants are stripped from water directly to the atmosphere;

(B) disposal facilities using land surface treatment;

(C) surface facilities associated with injection wells;

(D) cooling towers in which VOC or other air contaminants may be stripped to the atmosphere.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.533. Water and Soil Remediation.

Equipment used to reclaim or destroy chemicals removed from contaminated ground water, contaminated water condensate in tank and pipeline systems, or contaminated soil for the purpose of remedial action is permitted by rule, provided all the following conditions of this Section are satisfied.

(1) Applicability shall pertain to soil and water remediation at the property where the original contamination of the ground water or soil occurred or at a nearby property secondarily affected by the contamination, but not to any soil or water treatment facility where soils or water are brought in from another property. Such facilities are subject to Section 116.110 of this title (relating to Applicability).

(2) For treating groundwater or soil contaminated with petroleum compounds, the total emissions of petroleum hydrocarbons shall not exceed 1.0 pound per hour (lb/hr), except that benzene emissions also must meet the conditions of Section 106.262(3) and (4) of this title (relating to Facilities (Emission and Distance Limitations). For purposes of this Section , petroleum is considered to include:

(A) liquids or gases produced from natural formations of crude oil, tar sands, shale, coal and natural gas; or

(B) refinery fuel products to include fuel additives.

(3) For treating groundwater or soil contaminated with chemicals other than petroleum, emissions must meet the requirements of Section 106.262(2), (3), and (4) of this title. If the groundwater or soil is contaminated with both petroleum and other chemicals, the petroleum compound emissions must meet paragraph (2) of this Section and the other chemical emissions must meet the requirements of Section 106.262(2), (3), and (4) of this title. The emission of any chemical not having a Limit (L) Value in Table 262 of Section 106.262 of this title is limited to 1.0 lb/hr.

(4) The handling and processing (screening, crushing, etc.) of contaminated soil and the handling and conditioning (adding moisture) of remediated soil shall be controlled such that there are no visible emissions with the exception of moisture.
(5) If abatement equipment is used to meet paragraphs (2) and (3) of this Section , the equipment must satisfy one of the following conditions.

(A) The vapors shall be burned in a direct-flame combustion device (incinerator, furnace, boiler, heater, or other enclosed direct-flame device) operated in compliance with Section 106.493(2) and (3) of this title (relating to Direct Flame Incinerators (Previously SE 88)).

(B) The vapors shall be burned in a flare which meets the requirements of Section 106.492 of this title (relating to Flares (Previously SE 80)) and the requirements of 40 Code of Federal Regulations 60.18, which shall take precedence over Section 106.492 of this title in any conflicting requirements whether or not New Source Performance Standards apply to the flare.

(C) The vapors shall be burned in a catalytic oxidizer which destroys at least 90% of the vapors. An evaluation of oxidizer effectiveness shall be made at least weekly, using a portable flame or photoionization detector or equivalent instrument to determine the quantity of carbon compounds in the inlet and outlet of the catalytic oxidizer. Records of oxidizer performance shall be maintained in accordance with paragraph (7) of this Section .

(D) The vapors shall be routed through a carbon adsorption system (CAS) consisting of at least two activated carbon canisters that are connected in series. The system shall meet the following additional requirements.

(i) The CAS shall be sampled and recorded weekly to determine breakthrough of volatile organic compounds (VOC). Breakthrough is defined as a measured VOC concentration of 50 parts per million by volume (ppmv) in the outlet of the initial canister. The sampling point shall be at the outlet of the initial canister, but before the inlet to the second or final polishing canister. Sampling shall be performed while venting maximum emissions to the CAS (example: during loading of tank trucks, during tank filling, during process venting).

(ii) A flame ionization detector (FID) shall be used for VOC sampling. The FID shall be calibrated prior to sampling with certified gas mixtures (propane in air) of 10 ppmv ± 2.0% and of 100 ppmv ± 2.0%.

(iii) When the VOC breakthrough is measured, the waste gas flow shall be switched to the second canister immediately. Within four hours of detection of breakthrough, a fresh canister shall be placed as the new final polishing canister. Sufficient fresh activated carbon canisters shall be maintained at the site to ensure fresh polishing canisters are installed within four hours of detection of breakthrough.

(iv) Records of the CAS monitoring maintained at the plant site shall include, but are not limited to, the following:

(I) sample time and date;

(II) monitoring results (ppmv);

(III) corrective action taken, including the time and date of the action; and

(IV) process operations occurring at the time of sampling.

(v) The registration shall include a demonstration that activated carbon is an appropriate choice for control of the organic compounds to be stripped.

(6) Before construction of the facility begins, the facility shall be registered with the commission's Office of permitting, Remediation, and Registration in Austin using Form PI-7. The registration shall contain specific Information concerning the basis (measured or calculated) for the expected emissions from the facility. The registration shall also explain details as to why the emission control system can be expected to perform as represented.

(7) Records required by applicable paragraphs of this Section shall be maintained at the site and made available to personnel from the commission or any local agency having jurisdiction. These records shall be made available to representatives of the commission and local programs upon request and shall be retained for at least two years following the date that the data is obtained.
Adopted August 9, 2000 Effective September 4, 2000

Section 106.534. Municipal Solid Waste Landfills and Transfer Stations**.**

Municipal solid waste landfills and waste transfer stations operating in compliance with the Texas Solid Waste Disposal Act are exempt.
Adopted August 9, 2000 Effective September 4, 2000

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Monday, January 20, 2025 7:09 AM
To: Samantha Mendez
Cc: Rhyan Stone; Bissonnette, Daniel
Subject: RE: Technical Review & Working Draft Permit -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Your request has been received. I'll let you know if I have any questions.

Thanks

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

Enterprise Products

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FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Enterprise Hydrocarbons L.P.

AUTHORIZING THE OPERATION OF
Armstrong Gas Plant
Natural Gas Liquid Extraction

LOCATED AT
Dewitt County, Texas
Latitude 29° 8′ 2″ Longitude 97° 2′ 20″
Regulated Entity Number: RN100220078

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O3184 Issuance Date: _____

_____
For the Commission

Table of Contents

General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

    C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

    D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

    E. Emission units subject to 40 CFR Part 63, Subparts A, HH, ZZZZ, and DDDDD as identified in the attached Applicable Requirements Summary table are subject to 30 TAC

Chapter 113, Subchapter C, §§ 113.100, 113.390, 113.1090, and 113.1130, respectively, which incorporates the 40 CFR Part 63 Subpart by reference.

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

   A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

   B. Title 30 TAC § 101.3 (relating to Circumvention)

   C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

   D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

   E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

   F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

   G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

   H. Title 30 TAC § 101.221 (relating to Operational Requirements)

   I. Title 30 TAC § 101.222 (relating to Demonstrations)

   J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

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

   A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

      (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

      (ii) Title 30 TAC § 111.111(a)(1)(E)

      (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

      (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that

does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

  (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

  (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is

determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

4. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

5. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

6. For oil and natural gas production facilities as specified in 40 CFR Part 63, Subpart HH, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.390 incorporated by reference):

A. Title 40 CFR § 63.760(a)(1)(i) - (iii) (relating to Applicability and Designation of Affected Source)

B. Title 40 CFR § 63.775(d)(9) (relating to Reporting Requirements)

7. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

Additional Monitoring Requirements

8. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

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

A. Are incorporated by reference into this permit as applicable requirements

B. Shall be located with this operating permit

C. Are not eligible for a permit shield

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

11. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air

contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

12. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

13. Use of Discrete Emission Credits to comply with the applicable requirements:

    A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

        (i) Title 30 TAC Chapter 115

        (ii) Title 30 TAC Chapter 117

        (iii) If applicable, offsets for Title 30 TAC Chapter 116

        (iv) Temporarily exceed state NSR permit allowables

    B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

        (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

        (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

        (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

        (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

        (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Permit Location

14. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit off site at Enterprise Products, 1100 Louisiana, Houston, Texas 77002.

Permit Shield (30 TAC § 122.148)

15. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
DEHYVENT	GLYCOL DEHYDRATION	N/A	63HH-01	40 CFR Part 63, Subpart HH	No changing attributes.
EMERGEN	SRIC ENGINES	N/A	60JJJJ-03	40 CFR Part 60, Subpart JJJJ	No changing attributes.
EMERGEN	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FIREPUMP	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FL-1	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
FL-2	FLARES	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FL-2	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
FL-3	FLARES	N/A	R1111-02	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FUG KKK	FUGITIVE EMISSION UNITS	N/A	60KKK-03	40 CFR Part 60, Subpart KKK	No changing attributes.
FUG OOOOA	FUGITIVE EMISSION UNITS	N/A	60OOOOa	40 CFR Part 60, Subpart OOOOa	No changing attributes.
FUG-1	FUGITIVE EMISSION UNITS	N/A	63HH-01	40 CFR Part 63, Subpart HH	No changing attributes.
GO-FLARE1	FLARES	N/A	R1111-02	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GO-FLARE1	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
GO-FLARE1	FLARES	N/A	63A-02	40 CFR Part 63, Subpart A	No changing attributes.
GRP111A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	UNIT 184S	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP111B	EMISSION	BLCS1, BLCS2,	R1111-02	30 TAC Chapter 111, Visible	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	POINTS/STATIONARY VENTS/PROCESS VENTS	BOI-1S, C-1, C-15, C-2, C-3, C-4, C-5, C-6, C-7, C-8, C-9, DEHYBOIS, H-1S, H-3S, H-5S, STARTER, UNIT 185S, UNIT 186S		Emissions	
UNIT 924	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 925	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 926	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 927	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 930	STATIONARY TURBINES	N/A	60GG-02	40 CFR Part 60, Subpart GG	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
DEHYVENT	EU	63HH-01	112(B) HAPS	40 CFR Part 63, Subpart HH	§ 63.765(b)(1)(iii) § 63.11(b) § 63.764(a) § 63.764(j) § 63.765(b)(1)(iii)(A) § 63.771(c)(1) § 63.771(c)(2) § 63.771(f)(1) § 63.771(f)(1)(iii) § 63.771(f)(2) § 63.771(f)(2)(i) § 63.771(f)(2)(ii) [G]§ 63.773(c)(3) § 63.773(c)(4) [G]§ 63.773(c)(5) [G]§ 63.773(c)(6)	The owner or operator must limit BTEX emissions from each existing small glycol dehydration unit process vent, as defined in §63.761, to the limit determined in Equation 1 of this section. The limits determined using Equation 1 must be met in accordance with one of the alternatives specified in paragraphs (b)(1)(iii)(A) through (D) of this section.	[G]§ 63.772(c) § 63.772(d)(1) § 63.772(e) [G]§ 63.772(e)(2) § 63.772(e)(4)(ii) [G]§ 63.772(f) [G]§ 63.773(c)(2)(i) [G]§ 63.773(c)(2)(ii) [G]§ 63.773(d)(1) § 63.773(d)(3) § 63.773(d)(3)(i)(C) § 63.773(d)(3)(iii) § 63.773(d)(4) § 63.773(d)(6) § 63.773(d)(6)(i) § 63.773(d)(6)(iv) § 63.773(d)(7)	§ 63.771(e)(1) § 63.771(e)(2) § 63.771(e)(3)(i) [G]§ 63.774(b)(1) § 63.774(b)(10) § 63.774(b)(11) § 63.774(b)(2) [G]§ 63.774(b)(3) § 63.774(b)(4) § 63.774(b)(4)(i) § 63.774(b)(4)(ii)(A) § 63.774(b)(5) § 63.774(b)(6) § 63.774(b)(7) § 63.774(b)(7)(i) § 63.774(b)(7)(ii) § 63.774(b)(7)(iii) § 63.774(b)(7)(iv) § 63.774(b)(7)(v) § 63.774(b)(7)(vi) § 63.774(b)(7)(vii) § 63.774(b)(7)(viii) § 63.774(g)	§ 63.764(b) [G]§ 63.773(c)(2)(i) [G]§ 63.773(c)(2)(ii) [G]§ 63.775(b)(1) § 63.775(b)(2) § 63.775(b)(3) § 63.775(b)(4) § 63.775(b)(5) § 63.775(b)(6) § 63.775(d) § 63.775(d)(10) § 63.775(d)(11) [G]§ 63.775(d)(2) § 63.775(d)(6) § 63.775(d)(7) § 63.775(e) § 63.775(e)(1) § 63.775(e)(2) § 63.775(e)(2)(i) § 63.775(e)(2)(ii) § 63.775(e)(2)(ii)(A) § 63.775(e)(2)(ii)(D) § 63.775(e)(2)(iii) [G]§ 63.775(e)(2)(vii) § 63.775(e)(2)(viii) § 63.775(e)(2)(x) § 63.775(e)(2)(xi) [G]§ 63.775(f) § 63.775(g)(1)
EMERGEN	EU	60JJJJ-03	CO	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table 1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(i) [G]§ 60.4243(d) § 60.4243(g)	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than or equal to 100 HP and less than 130 HP and were manufactured on or after 01/01/2009 must comply with a CO emission limit of 387 g/HP-hr, as listed in	§ 60.4237(c) § 60.4243(b)(2)(i) § 60.4243(f) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(e)	§ 60.4243(b)(2)(i) § 60.4245(a) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4) § 60.4245(b)	§ 60.4245(d) [G]§ 60.4245(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						Table 1 to this subpart.			
EMERGEN	EU	60JJJJ-03	HC and NO_X	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table 1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(i) [G]§ 60.4243(d) § 60.4243(g)	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than or equal to 100 HP and less than 130 HP and were manufactured on or after 01/01/2009 must comply with an HC+NOx emission limit of 10 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4237(c) § 60.4243(b)(2)(i) § 60.4243(f) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(d)	§ 60.4243(b)(2)(i) § 60.4245(a) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4) § 60.4245(b)	§ 60.4245(d) [G]§ 60.4245(e)
EMERGEN	EU	63ZZZZ-03	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
FIREPUMP	EU	63ZZZZ-03	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
FL-1	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
FL-2	CD	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
FL-2	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
FL-3	CD	R1111-02	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						§101.222(b).			
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in light liquid service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k)	Comply with the requirements for connectors as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d)	Comply with the requirements for pressure relief devices in light liquid service as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9(a) § 60.482-9(b) § 60.486(k)				
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in gas/vapor service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a)	Comply with the requirements for pumps in light liquid service as stated in §60.482-2 and §60.482-1(a), (b) and (d), except as provided in §60.633.	[G]§ 60.482-2(a) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k)				
FUG OOOOA	EU	60OOOOa	VOC	40 CFR Part 60, Subpart OOOOa	§ 60.5400a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-6a(a)(1) § 60.482-6a(a)(2) § 60.482-6a(b) § 60.482-6a(c) § 60.482-6a(d) § 60.482-6a(e) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.5370a(a) § 60.5370a(b) § 60.5400a(a) § 60.5400a(d) § 60.5400a(e) § 60.5400a(f) § 60.5410a § 60.5410a(f) § 60.5415a(f)	Except as provided in §60.5401 open-ended valves or lines must comply with the requirements of §60.482-6a. Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, except as provided in §60.482-1a(c) and paragraphs §60.482-6a(d) and §60.482-6a(e) of this section.	§ 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(d) § 60.485a(d)(2) § 60.485a(d)(3) [G]§ 60.5401a(f) § 60.5401a(g)	§ 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e) § 60.5420a(a) § 60.5420a(a)(1) § 60.5422a(a)
FUG OOOOA	EU	60OOOOa	VOC	40 CFR Part 60, Subpart OOOOa	§ 60.5400a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-7a(a)(1) [G]§ 60.482-7a(a)(2) § 60.482-7a(b) [G]§ 60.482-7a(c) [G]§ 60.482-7a(d) [G]§ 60.482-7a(e) [G]§ 60.482-7a(f)	Except as provided in §60.5401 valves in gas/vapor service or light liquid service must comply with the requirements of §60.482-7a. At a valve in gas/vapor service or light liquid service, if an instrument reading of 500 ppm or greater is measured, a leak is detected.	§ 60.482-1a(f)(1) § 60.482-1a(f)(2) [G]§ 60.482-1a(f)(3) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) § 60.485a(d) § 60.485a(d)(2) § 60.485a(d)(3) [G]§ 60.485a(e)	§ 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) [G]§ 60.486a(e)(8) § 60.486a(f) § 60.486a(f)(1)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(2) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(ii) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-7a(g) [G]§ 60.482-7a(h) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.5370a(a) § 60.5370a(b) § 60.5400a(a) § 60.5400a(d) § 60.5400a(e) § 60.5400a(f) § 60.5401a(d) § 60.5410a § 60.5410a(f) § 60.5415a(f)		[G]§ 60.5401a(f) § 60.5401a(g)	§ 60.486a(f)(2)	§ 60.487a(e) § 60.5420a(a) § 60.5420a(a)(1) § 60.5422a(a)
FUG OOOOA	EU	60OOOOa	VOC	40 CFR Part 60, Subpart OOOOa	§ 60.5400a(a) § 60.482-11a(b)(2) § 60.482-11a(b)(3) § 60.482-11a(b)(3)(i) § 60.482-11a(d) [G]§ 60.482-11a(e) [G]§ 60.482-11a(f)(1) § 60.482-11a(f)(2) § 60.482-11a(g) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.5370a(a) § 60.5370a(b) § 60.5400a(a)	Except as provided in §60.5401 connectors in gas and vapor and light liquid service must comply with the requirements of §60.482-11a. If an instrument reading greater than or equal to 500 ppm is measured in connectors in gas and vapor and light liquid service, a leak is detected.	§ 60.482-11a(a) § 60.482-11a(b) § 60.482-11a(b)(1) § 60.482-11a(b)(3) § 60.482-11a(b)(3)(ii) [G]§ 60.482-11a(b)(3)(iii) § 60.482-11a(b)(3)(iv) § 60.482-11a(c) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(d) § 60.485a(d)(2) § 60.485a(d)(3) [G]§ 60.485a(e) [G]§ 60.5401a(f)	§ 60.482-11a(b)(3)(v) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8) § 60.486a(e)(9) § 60.486a(f) § 60.486a(f)(1)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(5) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(vii) § 60.487a(c)(2)(viii) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e) § 60.5420a(a) § 60.5420a(a)(1) § 60.5422a(a)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.5400a(d) § 60.5400a(e) § 60.5400a(f) § 60.5401a(d) § 60.5410a § 60.5410a(f) § 60.5415a(f)		§ 60.5401a(g)		
FUG-1	EU	63HH-01	112(B) HAPS	40 CFR Part 63, Subpart HH	§ 63.764(e)(2)(i) § 63.764(a) § 63.764(e)(2) § 63.764(j)	Any ancillary equipment or compressors that contain or contact a fluid with a total VHAP concentration of <10% by weight are exempt from the equipment leak requirements of § 63.764(c)(3).	[G]§ 63.772(a)	§ 63.774(d)(2) § 63.774(d)(2)(i)	None
GO-FLARE1	CD	R1111-02	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
GO-FLARE1	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
GO-FLARE1	CD	63A-02	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(8)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part	§ 63.11(b)(4) § 63.11(b)(5)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						60 of this chapter shall be used.			
GRP111A	EP	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRP111B	EP	R1111-02	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
UNIT 924	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 925	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 926	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 927	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 930	EU	60GG-02	NO_X	40 CFR Part 60, Subpart GG	§ 60.332(a)(2) § 60.332(a)(3) § 60.332(k)	No owner or operator shall discharge into the atmosphere from any stationary gas turbine, any	[G]§ 60.335(a) § 60.335(b)(1) § 60.335(b)(2) § 60.335(c)(1)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						gases which contain nitrogen oxides in excess of the amount as determined from the specified equation.	** See Periodic Monitoring Summary		
UNIT 930	EU	60GG-02	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP111A	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: N/A	
Deviation Limit: If alternative fuel is fired for > 24 consecutive hours, report as a deviation, or conduct observation using Test Method 22. Report as a deviation if visible emissions are observed using Test Method 22 and opacity > 30% using Test Method 9.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP111B	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-02
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: N/A	
Deviation Limit: If alternative fuel is fired for > 24 consecutive hours, report as a deviation, or conduct observation using Test Method 22. Report as a deviation if visible emissions are observed using Test Method 22 and opacity > 20% using Test Method 9.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 930	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG-02
Pollutant: NO_X	Main Standard: § 60.332(a)(2)
Monitoring Information	
Indicator: Fuel Consumption	
Minimum Frequency: once per week	
Averaging Period: N/A	
Deviation Limit: 2.428 MMscf per week	
Periodic Monitoring Text: Measure and record fuel consumption. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 930	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG-02
Pollutant: NO_X	Main Standard: § 60.332(a)(2)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: every 15,000 hours of operation	
Averaging Period: N/A	
Deviation Limit: Maximum NOX Concentration = 150 ppm	
Periodic Monitoring Text: Measure and record the nitrogen oxides concentration of the exhaust gas on a biennial calendar basis using the method specified in 30 TAC § 117.8000(c). The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Permit Shield

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
AMNVENT	N/A	30 TAC Chapter 112, Sulfur Compounds	The sweetening unit is not a sulfur recovery plant.
AMNVENT	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
AMNVENT	N/A	40 CFR Part 60, Subpart LLL	The facility does not process sour natural gas.
AMNVENT	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
BOI-1	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
BOI-1	N/A	40 CFR Part 60, Subpart D	Heat input rate is less than 250 MMBtu/hr.
BOI-1	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
BOI-1	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
BOI-1	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/9/1989.
CT-1	N/A	40 CFR Part 63, Subpart Q	Cooling tower does not use chromium compounds after 09/08/1994.
DEHYBOI	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
DEHYBOI	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
DEHYBOI	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
DEHYBOI	N/A	40 CFR Part 60, Subpart Db	Heat input capacity is less than 100 MMBtu/hr.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
DEHYBOI	N/A	40 CFR Part 60, Subpart Dc	Heat input capacity is less than 10 MMBtu/hr.
DEHYVENT	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
FLSHTNK	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
FLSHTNK	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified before 06/11/1973.
FLSHTNK	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified before 05/18/1978.
FLSHTNK	N/A	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 07/23/1984.
FLSHTNK	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
FUG	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not located in an applicable ozone non-attainment county.
FUG	N/A	40 CFR Part 60, Subpart KKK	Facility did not commence construction, reconstruction or modification after 1/20/1984.
FUG-1	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not located in an applicable ozone non-attainment county.
FUG-1	N/A	40 CFR Part 60, Subpart KKK	The facility is not a natural gas processing plant as defined in 60.631.
FUG-1	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GLYTANK	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GLYTANK	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GLYTANK	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
GLYTANK	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
GLYTANK	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
GLYTANK	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRP111B	BLCS1, BLCS2, BOI-1S, C-1, C-15, C-2, C-3, C-4, C-5, C-6, C-7, C-8, C-9, DEHYBOIS, H-1S, H-3S, H-5S, STARTER, UNIT 185S, UNIT 186S	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county/area.
GRPLOAD	LD-A, LD-B, LD-C, LD-D, LD-F, LD-G, LD-H, LD-I, LD-J, LD-K, LD-L, LD-M, TL-1	30 TAC Chapter 115, Loading and Unloading of VOC	Loading and unloading of VOC (except gasoline) is exempt in De Witt County.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified before 6/11/1973.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified before 5/18/1978.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart Ka	Capacity is less than 40,000 gallons.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
H-1	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
H-1	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-1	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
H-1	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-1	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/09/1989.
H-3	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
H-3	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-3	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
H-3	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-3	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/9/1989.
H-5	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
H-5	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-5	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
H-5	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-5	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/09/1989.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OWSH-1	N/A	30 TAC Chapter 115, Water Separation	Facility is not located in a Chapter 115 applicable county.
PRO-AMINE	N/A	30 TAC Chapter 112, Sulfur Compounds	The sweetening unit is not a sulfur recovery plant.
PRO-AMINE	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
PRO-AMINE	N/A	40 CFR Part 60, Subpart LLL	The facility does not process sour natural gas.
PRO-AMINE	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
PRO-FRAC1	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
PRO-FRAC2	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
PWSH-1	N/A	30 TAC Chapter 115, Degreasing Processes	Facility is not located in a Chapter 115 applicable county.
PWSH-1	N/A	40 CFR Part 63, Subpart T	Halogenated HAPs are not used for solvent cleaning.
T-107	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-107	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-107	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-107	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-107	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
T-107	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501A	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501A	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501A	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-501A	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501A	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501A	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501B	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501B	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501B	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-501B	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501B	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501B	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501C	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501C	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501C	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-501C	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501C	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501C	N/A	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
TL-FUG	N/A	40 CFR Part 60, Subpart KKK	Truck loading equipment is not part of a natural gas processing plant as defined in §60.631.
TL-FUG	N/A	40 CFR Part 63, Subpart HH	Truck loading equipment is not part of a natural gas processing plant as defined in §60.761.
UNIT 184	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 184	N/A	40 CFR Part 60, Subpart GG	Constructed, reconstructed, or modified before October 3, 1977.
UNIT 184	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
UNIT 184	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 924	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 924	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 924	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 925	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 925	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 925	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 926	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 926	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 926	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 927	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
UNIT 927	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 927	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 928	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 928	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 928	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 929	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 929	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 929	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 930	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 930	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 930	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			turbine constructed or reconstructed before 01/14/2003.
UNIT 931	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 931	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 931	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 932	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 932	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 932	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 933	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 933	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 933	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.

New Source Review Authorization References

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 17457	Issuance Date:
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 6	Version No./Date: 05/05/1976
Number: 6	Version No./Date: 05/12/1981
Number: 7	Version No./Date: 11/05/1986
Number: 9	Version No./Date: 05/08/1972
Number: 51	Version No./Date: 11/05/1986
Number: 53	Version No./Date: 11/05/1986
Number: 57	Version No./Date: 05/05/1976
Number: 57	Version No./Date: 05/12/1981
Number: 58	Version No./Date: 05/08/1972
Number: 58	Version No./Date: 05/05/1976
Number: 58	Version No./Date: 05/12/1981
Number: 59	Version No./Date: 05/08/1972
Number: 64	Version No./Date: 05/08/1972
Number: 66	Version No./Date: 11/05/1986
Number: 70	Version No./Date: 05/08/1972
Number: 72	Version No./Date: 05/08/1972
Number: 72	Version No./Date: 05/05/1976
Number: 72	Version No./Date: 05/12/1981
Number: 82	Version No./Date: 12/01/1972
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.352	Version No./Date: 09/04/2000
Number: 106.352	Version No./Date: 02/27/2011
Number: 106.352	Version No./Date: 02/02/2012
Number: 106.352	Version No./Date: 11/22/2012
Number: 106.355	Version No./Date: 11/01/2001
Number: 106.359	Version No./Date: 09/10/2013
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.492	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Number: 106.512	Version No./Date: 06/13/2001
Number: 107	Version No./Date: 05/12/1981

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
AMNVENT	ARMSTRONG INLET ACID GAS VENT	106.352/09/04/2000
BLCS1	BLOWCASE VESSEL 1	106.352/02/27/2011
BLCS2	BLOWCASE VESSEL 2	106.352/02/27/2011
BOI-1	AMINE STEAM REBOILER HEATER	106.352/09/04/2000, 106.352/11/22/2012
BOI-1S	AMINE STEAM REBOILER HEATER STACK	106.352/09/04/2000, 106.352/11/22/2012
C-1	MEP-10, UNIT #931 STACK	6/05/05/1976
C-15	SATURN, UNIT #930 STACK	17457
C-2	MEP-10, UNIT #932 STACK	6/05/05/1976
C-3	MEP-10, UNIT #933 STACK	6/05/05/1976
C-4	CENTAUR, UNIT #924 STACK	6/05/12/1981
C-5	CENTAUR, UNIT #925 STACK	6/05/12/1981
C-6	CENTAUR, UNIT #926 STACK	6/05/12/1981
C-7	CENTAUR, UNIT #927 STACK	6/05/12/1981
C-8	MEP-6, UNIT #928 STACK	6/05/12/1981
C-9	MEP-6, UNIT #929 STACK	6/05/12/1981
CT-1	COOLING TOWER	9/05/08/1972
DEHYBOI	DEHYDRATOR REBOILER HEATER	106.352/09/04/2000, 106.352/11/22/2012
DEHYBOIS	DEHYDRATOR REBOILER HEATER STACK	106.352/09/04/2000, 106.352/11/22/2012
DEHYVENT	ARMSTRONG INLET GLYCOL DEHYDRATION UNIT VENT	106.352/09/04/2000
EMERGEN	EMERGENCY GENERATOR	106.511/09/04/2000
FIREPUMP	FIREPUMP ENGINE	106.511/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
FL-1	PLANT FLARE NO. 1	106.352/11/22/2012, 106.492/09/04/2000
FL-2	PLANT FLARE NO. 2	106.352/11/22/2012, 106.492/09/04/2000
FL-3	PLANT FLARE NO. 3	106.352/11/22/2012, 106.492/09/04/2000
FLSHTNK	CONDENSATE FLASH TANK	106.352/02/02/2012
FUG	PLANT FUGITIVES	66/11/05/1986
FUG KKK	PLANT FUGITIVES KKK	106.352/09/04/2000, 106.352/11/22/2012
FUG OOOOA	PLANT FUGITIVES OOOOA	106.352/11/22/2012
FUG-1	ARMSTRONG INLET FUGITIVES	106.352/09/04/2000, 106.352/11/22/2012
GLYTANK	TRIETHYLENE GLYCOL TANK	106.352/02/27/2011
GO-FLARE1	FACILITY FLARE	106.352/11/22/2012, 106.492/09/04/2000
H-1	REGENERATION GAS HEATER NO. 1	106.352/11/22/2012
H-1S	REGENERATION GAS HEATER NO. 1 STACK	107/05/12/1981
H-3	REGENERATION GAS HEATER NO. 3	106.352/11/22/2012
H-3S	REGENERATION GAS HEATER NO. 3 STACK	107/05/12/1981
H-5	REGENERATION GAS HEATER NO. 5	7/11/05/1986
H-5S	REGENERATION GAS HEATER NO. 5 STACK	7/11/05/1986
LD-A	LOADING AREA A GASOLINE	72/05/08/1972
LD-B	LOADING AREA B	51/11/05/1986
LD-C	LOADING AREA C	51/11/05/1986
LD-D	LOADING AREA D	51/11/05/1986
LD-F	LOADING AREA F	53/11/05/1986

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
LD-G	LOADING AREA G	51/11/05/1986
LD-H	LOADING AREA H	53/11/05/1986
LD-I	LOADING AREA I	51/11/05/1986
LD-J	LOADING AREA J	51/11/05/1986
LD-K	LOADING AREA K	51/11/05/1986
LD-L	LOADING AREA L	106.352/09/04/2000
LD-M	LOADING AREA M	106.352/09/04/2000
OWSH-1	OIL-WATER SEPARATOR	70/05/08/1972
PRO-AMINE	ARMSTRONG GAS PLANT AMINE TREATING PROCESS	72/05/12/1981
PRO-FRAC1	ARMSTRONG I PLANT FRACTIONATION PROCESS	72/05/05/1976
PRO-FRAC2	ARMSTRONG II PLANT FRACTIONATION PROCESS	72/05/12/1981
PWSH-1	PARTS WASHER / DEGREASER	106.454/11/01/2001
STARTER	COMPRESSOR ENGINE STARTER	106.512/06/13/2001
T-107	CONDENSATE/PRODUCED WATER TANK 107	106.352/02/27/2011
T-501A	METHANOL TANK T-501A	106.352/02/27/2011
T-501B	METHANOL TANK T-501B	106.352/02/27/2011
T-501C	METHANOL TANK T-501C	106.352/02/27/2011
TANK 002	LEAN OIL TANK	58/05/08/1972
TANK 003	RUNDOWN WATER TANK	58/05/08/1972
TANK 004	PRODUCED WATER TANK	58/05/08/1972
TANK 005	DISTILLATE TANK	58/05/08/1972

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
TANK 006	GASOLINE STORAGE TANK	72/05/08/1972
TANK 007	AMINE MIX TANK	57/05/12/1981
TANK 008	AMINE STORAGE TANK	106.352/09/04/2000
TANK 009	ANTIFREEZE TANK	57/05/05/1976
TANK 010	BSW TANK	57/05/12/1981
TANK 012	4060 GAL DIESEL TANK	106.352/11/22/2012
TANK 013	GASOLINE TANK	64/05/08/1972
TANK 014	GLYCOL TANK	106.352/09/04/2000
TANK 015	HEAT MEDIUM OIL TANK	57/05/12/1981
TANK 016	HOT OIL MIX TANK	57/05/12/1981
TANK 017	LUBE OIL TANK 1	58/05/12/1981
TANK 018	LUBE OIL TANK 2	58/05/05/1976
TANK 019	LUBE OIL TANK 3	58/05/05/1976
TANK 020	LUBE OIL TANK 4	58/05/05/1976
TANK 021	LUBE OIL TANK 5	59/05/08/1972
TANK 022	LUBE OIL TANK 6	58/05/05/1976
TANK 023	LUBE OIL TANK 7	58/05/12/1981
TANK 024	LUBE OIL TANK 8	59/05/08/1972
TANK 025	R.O. WATER STORAGE TANK	58/05/08/1972
TANK 026	SLOP OIL TANK 1	59/05/08/1972, 106.352/11/22/2012
TANK 028	TRIGLYCOL TANK	106.352/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
TANK 029	1,270 GAL LUBE OIL TANK	106.352/11/22/2012
TL-1	SLOP OIL TRUCK LOADING	106.352/11/22/2012
TL-FUG	TRUCK LOADING FUGITIVES	106.352/11/22/2012
UNIT 184	TURBINE UNIT 184	82/12/01/1972
UNIT 184S	TURBINE UNIT 184 STACK	82/12/01/1972
UNIT 185S	CATERPILLAR, UNIT 185 STACK	106.512/06/13/2001
UNIT 186S	CATERPILLAR, UNIT 186 STACK	106.512/06/13/2001
UNIT 924	CENTAUR, UNIT 924	6/05/12/1981
UNIT 925	CENTAUR, UNIT 925	6/05/12/1981
UNIT 926	CENTAUR, UNIT 926	6/05/12/1981
UNIT 927	CENTAUR, UNIT 927	6/05/12/1981
UNIT 928	MEP-6, UNIT #928	6/05/12/1981
UNIT 929	MEP-6, UNIT #929	6/05/12/1981
UNIT 930	SATURN, UNIT #930	17457
UNIT 931	MEP-10, UNIT #931	6/05/05/1976
UNIT 932	MEP-10, UNIT #932	6/05/05/1976
UNIT 933	MEP-10, UNIT #933	6/05/05/1976

Appendix A

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Enterprise Hydrocarbons L.P.

AUTHORIZING THE OPERATION OF
Armstrong Gas Plant
Natural Gas Liquid Extraction

LOCATED AT
Dewitt County, Texas
Latitude 29° 8′ 2″ Longitude 97° 2′ 20″
Regulated Entity Number: RN100220078

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O3184 Issuance Date: _____

_____
For the Commission

Table of Contents

General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

    C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

    D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

    E. Emission units subject to 40 CFR Part 63, Subparts A, HH, ZZZZ, and DDDDD as identified in the attached Applicable Requirements Summary table are subject to 30 TAC

Chapter 113, Subchapter C, §§ 113.100, 113.390, 113.1090, and 113.1130, respectively, which incorporates the 40 CFR Part 63 Subpart by reference.

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

   A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

   B. Title 30 TAC § 101.3 (relating to Circumvention)

   C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

   D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

   E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

   F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

   G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

   H. Title 30 TAC § 101.221 (relating to Operational Requirements)

   I. Title 30 TAC § 101.222 (relating to Demonstrations)

   J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

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

   A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

      (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

      (ii) Title 30 TAC § 111.111(a)(1)(E)

      (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

      (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that

does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

  (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

  (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is

determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

4. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

5. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

6. For oil and natural gas production facilities as specified in 40 CFR Part 63, Subpart HH, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.390 incorporated by reference):

A. Title 40 CFR § 63.760(a)(1)(i) - (iii) (relating to Applicability and Designation of Affected Source)

B. Title 40 CFR § 63.775(d)(9) (relating to Reporting Requirements)

7. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

Additional Monitoring Requirements

8. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

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

A. Are incorporated by reference into this permit as applicable requirements

B. Shall be located with this operating permit

C. Are not eligible for a permit shield

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

11. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air

contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

12. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

13. Use of Discrete Emission Credits to comply with the applicable requirements:

    A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

        (i) Title 30 TAC Chapter 115

        (ii) Title 30 TAC Chapter 117

        (iii) If applicable, offsets for Title 30 TAC Chapter 116

        (iv) Temporarily exceed state NSR permit allowables

    B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

        (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

        (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

        (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

        (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

        (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Permit Location

14. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit off site at Enterprise Products, 1100 Louisiana, Houston, Texas 77002.

Permit Shield (30 TAC § 122.148)

15. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
DEHYVENT	GLYCOL DEHYDRATION	N/A	63HH-01	40 CFR Part 63, Subpart HH	No changing attributes.
EMERGEN	SRIC ENGINES	N/A	60JJJJ-03	40 CFR Part 60, Subpart JJJJ	No changing attributes.
EMERGEN	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FIREPUMP	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FL-1	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
FL-2	FLARES	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FL-2	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
FL-3	FLARES	N/A	R1111-02	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FUG KKK	FUGITIVE EMISSION UNITS	N/A	60KKK-03	40 CFR Part 60, Subpart KKK	No changing attributes.
FUG OOOOA	FUGITIVE EMISSION UNITS	N/A	60OOOOa	40 CFR Part 60, Subpart OOOOa	No changing attributes.
FUG-1	FUGITIVE EMISSION UNITS	N/A	63HH-01	40 CFR Part 63, Subpart HH	No changing attributes.
GO-FLARE1	FLARES	N/A	R1111-02	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GO-FLARE1	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
GO-FLARE1	FLARES	N/A	63A-02	40 CFR Part 63, Subpart A	No changing attributes.
GRP111A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	UNIT 184S	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP111B	EMISSION	BLCS1, BLCS2,	R1111-02	30 TAC Chapter 111, Visible	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	POINTS/STATIONARY VENTS/PROCESS VENTS	BOI-1S, C-1, C-15, C-2, C-3, C-4, C-5, C-6, C-7, C-8, C-9, DEHYBOIS, H-1S, H-3S, H-5S, STARTER, UNIT 185S, UNIT 186S		Emissions	
UNIT 924	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 925	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 926	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 927	STATIONARY TURBINES	N/A	60GG-01	40 CFR Part 60, Subpart GG	No changing attributes.
UNIT 930	STATIONARY TURBINES	N/A	60GG-02	40 CFR Part 60, Subpart GG	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
DEHYVENT	EU	63HH-01	112(B) HAPS	40 CFR Part 63, Subpart HH	§ 63.765(b)(1)(iii) § 63.11(b) § 63.764(a) § 63.764(j) § 63.765(b)(1)(iii)(A) § 63.771(c)(1) § 63.771(c)(2) § 63.771(f)(1) § 63.771(f)(1)(iii) § 63.771(f)(2) § 63.771(f)(2)(i) § 63.771(f)(2)(ii) [G]§ 63.773(c)(3) § 63.773(c)(4) [G]§ 63.773(c)(5) [G]§ 63.773(c)(6)	The owner or operator must limit BTEX emissions from each existing small glycol dehydration unit process vent, as defined in §63.761, to the limit determined in Equation 1 of this section. The limits determined using Equation 1 must be met in accordance with one of the alternatives specified in paragraphs (b)(1)(iii)(A) through (D) of this section.	[G]§ 63.772(c) § 63.772(d)(1) § 63.772(e) [G]§ 63.772(e)(2) § 63.772(e)(4)(ii) [G]§ 63.772(f) [G]§ 63.773(c)(2)(i) [G]§ 63.773(c)(2)(ii) [G]§ 63.773(d)(1) § 63.773(d)(3) § 63.773(d)(3)(i)(C) § 63.773(d)(3)(iii) § 63.773(d)(4) § 63.773(d)(6) § 63.773(d)(6)(i) § 63.773(d)(6)(iv) § 63.773(d)(7)	§ 63.771(e)(1) § 63.771(e)(2) § 63.771(e)(3)(i) [G]§ 63.774(b)(1) § 63.774(b)(10) § 63.774(b)(11) § 63.774(b)(2) [G]§ 63.774(b)(3) § 63.774(b)(4) § 63.774(b)(4)(i) § 63.774(b)(4)(ii)(A) § 63.774(b)(5) § 63.774(b)(6) § 63.774(b)(7) § 63.774(b)(7)(i) § 63.774(b)(7)(ii) § 63.774(b)(7)(iii) § 63.774(b)(7)(iv) § 63.774(b)(7)(v) § 63.774(b)(7)(vi) § 63.774(b)(7)(vii) § 63.774(b)(7)(viii) § 63.774(g)	§ 63.764(b) [G]§ 63.773(c)(2)(i) [G]§ 63.773(c)(2)(ii) [G]§ 63.775(b)(1) § 63.775(b)(2) § 63.775(b)(3) § 63.775(b)(4) § 63.775(b)(5) § 63.775(b)(6) § 63.775(d) § 63.775(d)(10) § 63.775(d)(11) [G]§ 63.775(d)(2) § 63.775(d)(6) § 63.775(d)(7) § 63.775(e) § 63.775(e)(1) § 63.775(e)(2) § 63.775(e)(2)(i) § 63.775(e)(2)(ii) § 63.775(e)(2)(ii)(A) § 63.775(e)(2)(ii)(D) § 63.775(e)(2)(iii) [G]§ 63.775(e)(2)(vii) § 63.775(e)(2)(viii) § 63.775(e)(2)(x) § 63.775(e)(2)(xi) [G]§ 63.775(f) § 63.775(g)(1)
EMERGEN	EU	60JJJJ-03	CO	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table 1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(i) [G]§ 60.4243(d) § 60.4243(g)	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than or equal to 100 HP and less than 130 HP and were manufactured on or after 01/01/2009 must comply with a CO emission limit of 387 g/HP-hr, as listed in	§ 60.4237(c) § 60.4243(b)(2)(i) § 60.4243(f) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(e)	§ 60.4243(b)(2)(i) § 60.4245(a) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4) § 60.4245(b)	§ 60.4245(d) [G]§ 60.4245(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						Table 1 to this subpart.			
EMERGEN	EU	60JJJJ-03	HC and NO_X	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table 1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(i) [G]§ 60.4243(d) § 60.4243(g)	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than or equal to 100 HP and less than 130 HP and were manufactured on or after 01/01/2009 must comply with an HC+NOx emission limit of 10 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4237(c) § 60.4243(b)(2)(i) § 60.4243(f) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(d)	§ 60.4243(b)(2)(i) § 60.4245(a) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4) § 60.4245(b)	§ 60.4245(d) [G]§ 60.4245(e)
EMERGEN	EU	63ZZZZ-03	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
FIREPUMP	EU	63ZZZZ-03	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
FL-1	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
FL-2	CD	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
FL-2	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
FL-3	CD	R1111-02	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						§101.222(b).			
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in light liquid service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k)	Comply with the requirements for connectors as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d)	Comply with the requirements for pressure relief devices in light liquid service as stated in §60.482-8, except as provided in §60.633.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9(a) § 60.482-9(b) § 60.486(k)				
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in gas/vapor service as stated in §60.482-7 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)
FUG KKK	EU	60KKK-03	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a)	Comply with the requirements for pumps in light liquid service as stated in §60.482-2 and §60.482-1(a), (b) and (d), except as provided in §60.633.	[G]§ 60.482-2(a) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) [G]§ 60.485(e) § 60.485(f) § 60.632(d) [G]§ 60.633(h)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(b) [G]§ 60.636(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k)				
FUG OOOOA	EU	60OOOOa	VOC	40 CFR Part 60, Subpart OOOOa	§ 60.5400a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-6a(a)(1) § 60.482-6a(a)(2) § 60.482-6a(b) § 60.482-6a(c) § 60.482-6a(d) § 60.482-6a(e) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.5370a(a) § 60.5370a(b) § 60.5400a(a) § 60.5400a(d) § 60.5400a(e) § 60.5400a(f) § 60.5410a § 60.5410a(f) § 60.5415a(f)	Except as provided in §60.5401 open-ended valves or lines must comply with the requirements of §60.482-6a. Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, except as provided in §60.482-1a(c) and paragraphs §60.482-6a(d) and §60.482-6a(e) of this section.	§ 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(d) § 60.485a(d)(2) § 60.485a(d)(3) [G]§ 60.5401a(f) § 60.5401a(g)	§ 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e) § 60.5420a(a) § 60.5420a(a)(1) § 60.5422a(a)
FUG OOOOA	EU	60OOOOa	VOC	40 CFR Part 60, Subpart OOOOa	§ 60.5400a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-7a(a)(1) [G]§ 60.482-7a(a)(2) § 60.482-7a(b) [G]§ 60.482-7a(c) [G]§ 60.482-7a(d) [G]§ 60.482-7a(e) [G]§ 60.482-7a(f)	Except as provided in §60.5401 valves in gas/vapor service or light liquid service must comply with the requirements of §60.482-7a. At a valve in gas/vapor service or light liquid service, if an instrument reading of 500 ppm or greater is measured, a leak is detected.	§ 60.482-1a(f)(1) § 60.482-1a(f)(2) [G]§ 60.482-1a(f)(3) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) § 60.485a(d) § 60.485a(d)(2) § 60.485a(d)(3) [G]§ 60.485a(e)	§ 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) [G]§ 60.486a(e)(8) § 60.486a(f) § 60.486a(f)(1)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(2) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(ii) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-7a(g) [G]§ 60.482-7a(h) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.5370a(a) § 60.5370a(b) § 60.5400a(a) § 60.5400a(d) § 60.5400a(e) § 60.5400a(f) § 60.5401a(d) § 60.5410a § 60.5410a(f) § 60.5415a(f)		[G]§ 60.5401a(f) § 60.5401a(g)	§ 60.486a(f)(2)	§ 60.487a(e) § 60.5420a(a) § 60.5420a(a)(1) § 60.5422a(a)
FUG OOOOA	EU	60OOOOa	VOC	40 CFR Part 60, Subpart OOOOa	§ 60.5400a(a) § 60.482-11a(b)(2) § 60.482-11a(b)(3) § 60.482-11a(b)(3)(i) § 60.482-11a(d) [G]§ 60.482-11a(e) [G]§ 60.482-11a(f)(1) § 60.482-11a(f)(2) § 60.482-11a(g) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.5370a(a) § 60.5370a(b) § 60.5400a(a)	Except as provided in §60.5401 connectors in gas and vapor and light liquid service must comply with the requirements of §60.482-11a. If an instrument reading greater than or equal to 500 ppm is measured in connectors in gas and vapor and light liquid service, a leak is detected.	§ 60.482-11a(a) § 60.482-11a(b) § 60.482-11a(b)(1) § 60.482-11a(b)(3) § 60.482-11a(b)(3)(ii) [G]§ 60.482-11a(b)(3)(iii) § 60.482-11a(b)(3)(iv) § 60.482-11a(c) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(d) § 60.485a(d)(2) § 60.485a(d)(3) [G]§ 60.485a(e) [G]§ 60.5401a(f)	§ 60.482-11a(b)(3)(v) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8) § 60.486a(e)(9) § 60.486a(f) § 60.486a(f)(1)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(5) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(vii) § 60.487a(c)(2)(viii) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e) § 60.5420a(a) § 60.5420a(a)(1) § 60.5422a(a)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.5400a(d) § 60.5400a(e) § 60.5400a(f) § 60.5401a(d) § 60.5410a § 60.5410a(f) § 60.5415a(f)		§ 60.5401a(g)		
FUG-1	EU	63HH-01	112(B) HAPS	40 CFR Part 63, Subpart HH	§ 63.764(e)(2)(i) § 63.764(a) § 63.764(e)(2) § 63.764(j)	Any ancillary equipment or compressors that contain or contact a fluid with a total VHAP concentration of <10% by weight are exempt from the equipment leak requirements of § 63.764(c)(3).	[G]§ 63.772(a)	§ 63.774(d)(2) § 63.774(d)(2)(i)	None
GO-FLARE1	CD	R1111-02	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
GO-FLARE1	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
GO-FLARE1	CD	63A-02	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(8)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part	§ 63.11(b)(4) § 63.11(b)(5)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						60 of this chapter shall be used.			
GRP111A	EP	R1111-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRP111B	EP	R1111-02	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
UNIT 924	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 925	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 926	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 927	EU	60GG-01	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
UNIT 930	EU	60GG-02	NO_X	40 CFR Part 60, Subpart GG	§ 60.332(a)(2) § 60.332(a)(3) § 60.332(k)	No owner or operator shall discharge into the atmosphere from any stationary gas turbine, any	[G]§ 60.335(a) § 60.335(b)(1) § 60.335(b)(2) § 60.335(c)(1)	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						gases which contain nitrogen oxides in excess of the amount as determined from the specified equation.	** See Periodic Monitoring Summary		
UNIT 930	EU	60GG-02	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP111A	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: N/A	
Deviation Limit: If alternative fuel is fired for > 24 consecutive hours, report as a deviation, or conduct observation using Test Method 22. Report as a deviation if visible emissions are observed using Test Method 22 and opacity > 30% using Test Method 9.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP111B	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-02
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: N/A	
Deviation Limit: If alternative fuel is fired for > 24 consecutive hours, report as a deviation, or conduct observation using Test Method 22. Report as a deviation if visible emissions are observed using Test Method 22 and opacity > 20% using Test Method 9.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 930	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG-02
Pollutant: NO_X	Main Standard: § 60.332(a)(2)
Monitoring Information	
Indicator: Fuel Consumption	
Minimum Frequency: once per week	
Averaging Period: N/A	
Deviation Limit: 2.428 MMscf per week	
Periodic Monitoring Text: Measure and record fuel consumption. The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: UNIT 930	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG-02
Pollutant: NO_X	Main Standard: § 60.332(a)(2)
Monitoring Information	
Indicator: NOx Concentration	
Minimum Frequency: every 15,000 hours of operation	
Averaging Period: N/A	
Deviation Limit: Maximum NOX Concentration = 150 ppm	
Periodic Monitoring Text: Measure and record the nitrogen oxides concentration of the exhaust gas on a biennial calendar basis using the method specified in 30 TAC § 117.8000(c). The monitoring instrumentation shall be maintained, calibrated, and operated in accordance with the manufacturer's specifications or other written procedures. Any monitoring data above the maximum limit shall be considered and reported as a deviation.	

Permit Shield

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
AMNVENT	N/A	30 TAC Chapter 112, Sulfur Compounds	The sweetening unit is not a sulfur recovery plant.
AMNVENT	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
AMNVENT	N/A	40 CFR Part 60, Subpart LLL	The facility does not process sour natural gas.
AMNVENT	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
BOI-1	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
BOI-1	N/A	40 CFR Part 60, Subpart D	Heat input rate is less than 250 MMBtu/hr.
BOI-1	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
BOI-1	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
BOI-1	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/9/1989.
CT-1	N/A	40 CFR Part 63, Subpart Q	Cooling tower does not use chromium compounds after 09/08/1994.
DEHYBOI	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
DEHYBOI	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
DEHYBOI	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
DEHYBOI	N/A	40 CFR Part 60, Subpart Db	Heat input capacity is less than 100 MMBtu/hr.

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
DEHYBOI	N/A	40 CFR Part 60, Subpart Dc	Heat input capacity is less than 10 MMBtu/hr.
DEHYVENT	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
FLSHTNK	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
FLSHTNK	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified before 06/11/1973.
FLSHTNK	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified before 05/18/1978.
FLSHTNK	N/A	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 07/23/1984.
FLSHTNK	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
FUG	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not located in an applicable ozone non-attainment county.
FUG	N/A	40 CFR Part 60, Subpart KKK	Facility did not commence construction, reconstruction or modification after 1/20/1984.
FUG-1	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not located in an applicable ozone non-attainment county.
FUG-1	N/A	40 CFR Part 60, Subpart KKK	The facility is not a natural gas processing plant as defined in 60.631.
FUG-1	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GLYTANK	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GLYTANK	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GLYTANK	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
GLYTANK	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
GLYTANK	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
GLYTANK	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRP111B	BLCS1, BLCS2, BOI-1S, C-1, C-15, C-2, C-3, C-4, C-5, C-6, C-7, C-8, C-9, DEHYBOIS, H-1S, H-3S, H-5S, STARTER, UNIT 185S, UNIT 186S	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county/area.
GRPLOAD	LD-A, LD-B, LD-C, LD-D, LD-F, LD-G, LD-H, LD-I, LD-J, LD-K, LD-L, LD-M, TL-1	30 TAC Chapter 115, Loading and Unloading of VOC	Loading and unloading of VOC (except gasoline) is exempt in De Witt County.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified before 6/11/1973.

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified before 5/18/1978.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
GRPTK1	TANK 002, TANK 003, TANK 004, TANK 005, TANK 006, TANK 012, TANK 013, TANK 021, TANK 024, TANK 025, TANK 026	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK2	TANK 007, TANK 009, TANK 010, TANK 015, TANK 016	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart Ka	Capacity is less than 40,000 gallons.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 60, Subpart Kb	Constructed, reconstructed, or modified before 7/23/1984.
GRPTK3	TANK 017, TANK 018, TANK 019, TANK 020, TANK 022, TANK 023	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
GRPTK4	TANK 008, TANK 014, TANK 028, TANK 029	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
H-1	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
H-1	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-1	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
H-1	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-1	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/09/1989.
H-3	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
H-3	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-3	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
H-3	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-3	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/9/1989.
H-5	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
H-5	N/A	40 CFR Part 60, Subpart D	Heat input capacity is less than 250 MMBtu/hr.
H-5	N/A	40 CFR Part 60, Subpart Da	The boiler is not an electric utility steam generating unit.
H-5	N/A	40 CFR Part 60, Subpart Db	Constructed, reconstructed, or modified before 6/19/1984.
H-5	N/A	40 CFR Part 60, Subpart Dc	Constructed, reconstructed, or modified before 6/09/1989.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
OWSH-1	N/A	30 TAC Chapter 115, Water Separation	Facility is not located in a Chapter 115 applicable county.
PRO-AMINE	N/A	30 TAC Chapter 112, Sulfur Compounds	The sweetening unit is not a sulfur recovery plant.
PRO-AMINE	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
PRO-AMINE	N/A	40 CFR Part 60, Subpart LLL	The facility does not process sour natural gas.
PRO-AMINE	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
PRO-FRAC1	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
PRO-FRAC2	N/A	30 TAC Chapter 115, Vent Gas Controls	Facility is not located in a Chapter 115 applicable county.
PWSH-1	N/A	30 TAC Chapter 115, Degreasing Processes	Facility is not located in a Chapter 115 applicable county.
PWSH-1	N/A	40 CFR Part 63, Subpart T	Halogenated HAPs are not used for solvent cleaning.
T-107	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-107	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-107	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-107	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-107	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
T-107	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501A	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501A	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501A	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-501A	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501A	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501A	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential for flash emissions” in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501B	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501B	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501B	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-501B	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501B	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501B	N/A	40 CFR Part 63, Subpart HH	Per definition of “Storage vessel with potential

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
T-501C	N/A	30 TAC Chapter 115, Storage of VOCs	Facility is not located in an applicable county.
T-501C	N/A	40 CFR Part 60, Subpart K	Constructed, reconstructed, or modified after 5/19/1978.
T-501C	N/A	40 CFR Part 60, Subpart Ka	Constructed, reconstructed, or modified after 7/23/1984.
T-501C	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 19,800 gallons.
T-501C	N/A	40 CFR Part 60, Subpart OOOO	Constructed, modified, or reconstructed before August 23, 2011.
T-501C	N/A	40 CFR Part 63, Subpart HH	Per definition of "Storage vessel with potential for flash emissions" in 40 CFR § 63.761, storage tanks do not have the potential to vent flash emissions.
TL-FUG	N/A	40 CFR Part 60, Subpart KKK	Truck loading equipment is not part of a natural gas processing plant as defined in §60.631.
TL-FUG	N/A	40 CFR Part 63, Subpart HH	Truck loading equipment is not part of a natural gas processing plant as defined in §60.761.
UNIT 184	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 184	N/A	40 CFR Part 60, Subpart GG	Constructed, reconstructed, or modified before October 3, 1977.
UNIT 184	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
UNIT 184	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 924	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 924	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 924	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 925	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 925	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 925	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 926	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 926	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 926	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 927	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
UNIT 927	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 927	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion turbine constructed or reconstructed before 1/14/2003.
UNIT 928	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 928	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 928	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 929	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 929	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 929	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 930	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 930	N/A	40 CFR Part 60, Subpart KKKK	Construction, reconstruction, or modification occurred before February 18, 2005.
UNIT 930	N/A	40 CFR Part 63, Subpart YYYY	The turbine is an existing stationary combustion

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			turbine constructed or reconstructed before 01/14/2003.
UNIT 931	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 931	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 931	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 932	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 932	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 932	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.
UNIT 933	N/A	30 TAC Chapter 117, Subchapter B	Facility is not located in an applicable ozone non-attainment county.
UNIT 933	N/A	40 CFR Part 60, Subpart JJJJ	SI ICE was manufactured prior to 07/01/2007 and not modified or reconstructed after 06/12/2006.
UNIT 933	N/A	40 CFR Part 63, Subpart ZZZZ	The engine is an existing spark ignition 2SLB stationary RICE with a site rating of more than 500 brake HP at a major source of HAPs.

New Source Review Authorization References

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 17457	Issuance Date:
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 6	Version No./Date: 05/05/1976
Number: 6	Version No./Date: 05/12/1981
Number: 7	Version No./Date: 11/05/1986
Number: 9	Version No./Date: 05/08/1972
Number: 51	Version No./Date: 11/05/1986
Number: 53	Version No./Date: 11/05/1986
Number: 57	Version No./Date: 05/05/1976
Number: 57	Version No./Date: 05/12/1981
Number: 58	Version No./Date: 05/08/1972
Number: 58	Version No./Date: 05/05/1976
Number: 58	Version No./Date: 05/12/1981
Number: 59	Version No./Date: 05/08/1972
Number: 64	Version No./Date: 05/08/1972
Number: 66	Version No./Date: 11/05/1986
Number: 70	Version No./Date: 05/08/1972
Number: 72	Version No./Date: 05/08/1972
Number: 72	Version No./Date: 05/05/1976
Number: 72	Version No./Date: 05/12/1981
Number: 82	Version No./Date: 12/01/1972
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.352	Version No./Date: 09/04/2000
Number: 106.352	Version No./Date: 02/27/2011
Number: 106.352	Version No./Date: 02/02/2012
Number: 106.352	Version No./Date: 11/22/2012
Number: 106.355	Version No./Date: 11/01/2001
Number: 106.359	Version No./Date: 09/10/2013
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.492	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Number: 106.512	Version No./Date: 06/13/2001
Number: 107	Version No./Date: 05/12/1981

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
AMNVENT	ARMSTRONG INLET ACID GAS VENT	106.352/09/04/2000
BLCS1	BLOWCASE VESSEL 1	106.352/02/27/2011
BLCS2	BLOWCASE VESSEL 2	106.352/02/27/2011
BOI-1	AMINE STEAM REBOILER HEATER	106.352/09/04/2000, 106.352/11/22/2012
BOI-1S	AMINE STEAM REBOILER HEATER STACK	106.352/09/04/2000, 106.352/11/22/2012
C-1	MEP-10, UNIT #931 STACK	6/05/05/1976
C-15	SATURN, UNIT #930 STACK	17457
C-2	MEP-10, UNIT #932 STACK	6/05/05/1976
C-3	MEP-10, UNIT #933 STACK	6/05/05/1976
C-4	CENTAUR, UNIT #924 STACK	6/05/12/1981
C-5	CENTAUR, UNIT #925 STACK	6/05/12/1981
C-6	CENTAUR, UNIT #926 STACK	6/05/12/1981
C-7	CENTAUR, UNIT #927 STACK	6/05/12/1981
C-8	MEP-6, UNIT #928 STACK	6/05/12/1981
C-9	MEP-6, UNIT #929 STACK	6/05/12/1981
CT-1	COOLING TOWER	9/05/08/1972
DEHYBOI	DEHYDRATOR REBOILER HEATER	106.352/09/04/2000, 106.352/11/22/2012
DEHYBOIS	DEHYDRATOR REBOILER HEATER STACK	106.352/09/04/2000, 106.352/11/22/2012
DEHYVENT	ARMSTRONG INLET GLYCOL DEHYDRATION UNIT VENT	106.352/09/04/2000
EMERGEN	EMERGENCY GENERATOR	106.511/09/04/2000
FIREPUMP	FIREPUMP ENGINE	106.511/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
FL-1	PLANT FLARE NO. 1	106.352/11/22/2012, 106.492/09/04/2000
FL-2	PLANT FLARE NO. 2	106.352/11/22/2012, 106.492/09/04/2000
FL-3	PLANT FLARE NO. 3	106.352/11/22/2012, 106.492/09/04/2000
FLSHTNK	CONDENSATE FLASH TANK	106.352/02/02/2012
FUG	PLANT FUGITIVES	66/11/05/1986
FUG KKK	PLANT FUGITIVES KKK	106.352/09/04/2000, 106.352/11/22/2012
FUG OOOOA	PLANT FUGITIVES OOOOA	106.352/11/22/2012
FUG-1	ARMSTRONG INLET FUGITIVES	106.352/09/04/2000, 106.352/11/22/2012
GLYTANK	TRIETHYLENE GLYCOL TANK	106.352/02/27/2011
GO-FLARE1	FACILITY FLARE	106.352/11/22/2012, 106.492/09/04/2000
H-1	REGENERATION GAS HEATER NO. 1	106.352/11/22/2012
H-1S	REGENERATION GAS HEATER NO. 1 STACK	107/05/12/1981
H-3	REGENERATION GAS HEATER NO. 3	106.352/11/22/2012
H-3S	REGENERATION GAS HEATER NO. 3 STACK	107/05/12/1981
H-5	REGENERATION GAS HEATER NO. 5	7/11/05/1986
H-5S	REGENERATION GAS HEATER NO. 5 STACK	7/11/05/1986
LD-A	LOADING AREA A GASOLINE	72/05/08/1972
LD-B	LOADING AREA B	51/11/05/1986
LD-C	LOADING AREA C	51/11/05/1986
LD-D	LOADING AREA D	51/11/05/1986
LD-F	LOADING AREA F	53/11/05/1986

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
LD-G	LOADING AREA G	51/11/05/1986
LD-H	LOADING AREA H	53/11/05/1986
LD-I	LOADING AREA I	51/11/05/1986
LD-J	LOADING AREA J	51/11/05/1986
LD-K	LOADING AREA K	51/11/05/1986
LD-L	LOADING AREA L	106.352/09/04/2000
LD-M	LOADING AREA M	106.352/09/04/2000
OWSH-1	OIL-WATER SEPARATOR	70/05/08/1972
PRO-AMINE	ARMSTRONG GAS PLANT AMINE TREATING PROCESS	72/05/12/1981
PRO-FRAC1	ARMSTRONG I PLANT FRACTIONATION PROCESS	72/05/05/1976
PRO-FRAC2	ARMSTRONG II PLANT FRACTIONATION PROCESS	72/05/12/1981
PWSH-1	PARTS WASHER / DEGREASER	106.454/11/01/2001
STARTER	COMPRESSOR ENGINE STARTER	106.512/06/13/2001
T-107	CONDENSATE/PRODUCED WATER TANK 107	106.352/02/27/2011
T-501A	METHANOL TANK T-501A	106.352/02/27/2011
T-501B	METHANOL TANK T-501B	106.352/02/27/2011
T-501C	METHANOL TANK T-501C	106.352/02/27/2011
TANK 002	LEAN OIL TANK	58/05/08/1972
TANK 003	RUNDOWN WATER TANK	58/05/08/1972
TANK 004	PRODUCED WATER TANK	58/05/08/1972
TANK 005	DISTILLATE TANK	58/05/08/1972

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
TANK 006	GASOLINE STORAGE TANK	72/05/08/1972
TANK 007	AMINE MIX TANK	57/05/12/1981
TANK 008	AMINE STORAGE TANK	106.352/09/04/2000
TANK 009	ANTIFREEZE TANK	57/05/05/1976
TANK 010	BSW TANK	57/05/12/1981
TANK 012	4060 GAL DIESEL TANK	106.352/11/22/2012
TANK 013	GASOLINE TANK	64/05/08/1972
TANK 014	GLYCOL TANK	106.352/09/04/2000
TANK 015	HEAT MEDIUM OIL TANK	57/05/12/1981
TANK 016	HOT OIL MIX TANK	57/05/12/1981
TANK 017	LUBE OIL TANK 1	58/05/12/1981
TANK 018	LUBE OIL TANK 2	58/05/05/1976
TANK 019	LUBE OIL TANK 3	58/05/05/1976
TANK 020	LUBE OIL TANK 4	58/05/05/1976
TANK 021	LUBE OIL TANK 5	59/05/08/1972
TANK 022	LUBE OIL TANK 6	58/05/05/1976
TANK 023	LUBE OIL TANK 7	58/05/12/1981
TANK 024	LUBE OIL TANK 8	59/05/08/1972
TANK 025	R.O. WATER STORAGE TANK	58/05/08/1972
TANK 026	SLOP OIL TANK 1	59/05/08/1972, 106.352/11/22/2012
TANK 028	TRIGLYCOL TANK	106.352/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
TANK 029	1,270 GAL LUBE OIL TANK	106.352/11/22/2012
TL-1	SLOP OIL TRUCK LOADING	106.352/11/22/2012
TL-FUG	TRUCK LOADING FUGITIVES	106.352/11/22/2012
UNIT 184	TURBINE UNIT 184	82/12/01/1972
UNIT 184S	TURBINE UNIT 184 STACK	82/12/01/1972
UNIT 185S	CATERPILLAR, UNIT 185 STACK	106.512/06/13/2001
UNIT 186S	CATERPILLAR, UNIT 186 STACK	106.512/06/13/2001
UNIT 924	CENTAUR, UNIT 924	6/05/12/1981
UNIT 925	CENTAUR, UNIT 925	6/05/12/1981
UNIT 926	CENTAUR, UNIT 926	6/05/12/1981
UNIT 927	CENTAUR, UNIT 927	6/05/12/1981
UNIT 928	MEP-6, UNIT #928	6/05/12/1981
UNIT 929	MEP-6, UNIT #929	6/05/12/1981
UNIT 930	SATURN, UNIT #930	17457
UNIT 931	MEP-10, UNIT #931	6/05/05/1976
UNIT 932	MEP-10, UNIT #932	6/05/05/1976
UNIT 933	MEP-10, UNIT #933	6/05/05/1976

Appendix A

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

From: Quesada, Daniel <DEQuesada@eprod.com>
Sent: Tuesday, December 10, 2024 9:10 AM
To: Samantha Mendez
Cc: Rhyan Stone; Bissonnette, Daniel
Subject: RE: Technical Review -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Samantha,

Received.

Thanks

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

From: Samantha Mendez <Samantha.Mendez@tceq.texas.gov>
Sent: Tuesday, December 10, 2024 9:06 AM
To: Quesada, Daniel <DEQuesada@eprod.com>
Cc: Rhyan Stone <Rhyan.Stone@tceq.texas.gov>
Subject: [EXTERNAL] Technical Review -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

[Use caution with links/attachments]
Mr. Quesada,

I have been assigned to the Federal Operating Permit (FOP) initial renewal application of Permit No. O3184 for Enterprise Hydrocarbons LP, Armstrong Gas Plant. This application has been assigned Project No. 37417. Please address all correspondence pertaining to this permit application, including any updates, to me at the address below, and use both the Permit and Project reference numbers above to facilitate tracking.

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

a. NSR permit and PBR monitoring sufficiency –please refer to our periodic monitoring guidance for reference of monitoring that EPA has, so far, considered sufficient.

b. Reference to confidential business information (CBI) in NSR permits and PBR submittals.
c. High level terms in the SOP Applicable Requirement Summary Table. The high-level terms are sometimes used in SOPs when unit attribute forms have not yet been updated due to regulatory amendments.
d. Accuracy of PBR information provided on the supplemental table and in the permit – please refer to Forms OP-PBRSUP and OP-REQ1 Instructions.

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

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

Please notify me when these updates have been submitted.

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

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

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

Thank you for your cooperation.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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

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To: Samantha Mendez
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Received.

Thanks

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Environmental Engineer
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Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
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As required on Form OP-1, question IV.D, please remember the FOP application and all application updates must be submitted to EPA Region 6 at R6AirPermitsTX@epa.gov and to the TCEQ regional office having jurisdiction. This submittal information can be found on our website at Where to Submit FOP Applications and Permit-Related Documents.

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

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

Thank you for your cooperation.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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From: Samantha Mendez
Sent: Tuesday, December 10, 2024 9:06 AM
To: dequesada@eprod.com
Cc: Rhyan Stone
Subject: Technical Review -- FOP O3184/Project 37417, Enterprise Hydrocarbons LP/ Armstrong Gas Plant

Mr. Quesada,

I have been assigned to the Federal Operating Permit (FOP) initial renewal application of Permit No. O3184 for Enterprise Hydrocarbons LP, Armstrong Gas Plant. This application has been assigned Project No. 37417. Please address all correspondence pertaining to this permit application, including any updates, to me at the address below, and use both the Permit and Project reference numbers above to facilitate tracking.

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

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

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

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

Please notify me when these updates have been submitted.

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

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

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

Thank you for your cooperation.

Sincerely,

Samantha Mendez
Environmental Permit Specialist
Air Permits Division, Office of Air
(512) 239-6206 | Samantha.mendez@tceq.texas.gov

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9. TCEQ FORM OP-UA2

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 4)
Federal Operating Permit Program
Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
Unit 928	63ZZZZ.01	MA.IOR	500+	02-		NORMAL	2SLB
Unit 929	63ZZZZ-01	MAJOR	500+	02-		NORMAL	25LB
Unit 931	63ZZZZ-01	MAJOR	500+	02-		NORMAL	2SLB
Unit 932	63ZZZZ-01	MAJOR	500+	02-		NORMAL	2SLB
Unit 933	63ZZZZ-01	MAJOR	500+	02-		NORMAL	2SLB
EMERGEN	63ZZZZ-03	MAJOR	100-250	06+		EMER-A	
FIREPUMP	63ZZZZ-03	MAJOR	100-250	06+		EMER.A	

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 5)
Federal Operating Permit Program
Table 2b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Operating Hours	Different Schedule	Emission Limitation	Displacement
Unit 928	63Z2ZZ-01					
Unit 929	63ZZZZ-01					
Unit 931	63ZZZZ-01					
Unit 932	632ZZZ-01					
Unit 933	63ZZZZ-01					
EMERGEN	63ZZZZ-03					
FIREPUMP	63ZZZZ-03					

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 6)
Federal Operating Permit Program
Table 2c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary 32BReciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Crankcase	Performance Test	Control Technique	Operating Limits	Monitoring System
Unit 928	63Z2ZZ-01					
Unit 929	63ZZZZ-01					
Unit 931	63ZZZZ-01					
Unit 932	632ZZZ-01					
Unit 933	63ZZZZ-01					
EMERGEN	63ZZZZ-03					
FIREPUMP	63ZZZZ-03					

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 8)
Federal Operating Permit Program
Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Construction/ Reconstruction/ Modification Date	Test Cell	Exemption	Temp Replacement	Horsepower	Fuel	AEL No.	Lean Burn	Commencing
Unit 928	60JJJJ-01	NO								
Unit 929	60JJJJ-01	NO								
Unit 931	60JJJJ-01	NO								
Unit 932	60JJJJ-01	NO								
Unit 933	60JJJJ-01	NO								
UNIT-185	60JJJJ-02	YES	NO	NONE	NO	1350+	NATGAS			CON
UNIT-186	60JJJJ-02	YES	NO	NONE	NO	1350+	NATGAS			CON
EMERGEN	60JJJJ-03	YES	NO	NONE	NO	100-130E	NATGAS		NO	CON
FIREPUMP	60JJJJ-04	YES	NO	NONE	NO	100-130E	NATGAS		NO	CON

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 9)
Federal Operating Permit Program
Table 4b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Displacement	Certified	Operation	Certified Modification	Service	Severe Duty	Optional Compliance
Unit 928	60JJJJ-01								
Unit 929	60JJJJ-01								
Unit 931	60JJJJ-01								
Unit 932	60JJJJ-01								
Unit 933	60JJJJ-01								
UNIT-185	60JJJJ-02	N07-0610-		NO			NON		
UNIT-186	60JJJJ-02	N07-0610-		NO			NON		
EMERGEN	60JJJJ-03	N0109+E		NO			EMERG		
FIREPUMP	60JJJJ-04	N0109-E							

10. TCEQ FORM OP-UA3

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 1)
Federal Operating Permit Program
Table 1: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart K: Standards of Performance for Storage Vessels for Petroleum Liquids
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Construction/ Modification Date	Storage Capacity	Product Stored	True Vapor Pressure	Storage Vessel Description	Reid Vapor Pressure	Maximum TVP	Estimated TVP	Control Device ID No.
GRPTKI	60K-01	73-								
GRPTK2	60K-02									
GRPTK3	60K-02									
GRPTK4	60K-02									
FLSHTNK	60K-05	73-								
T-107	60K-02									

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
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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.
GRPTKI	60Ka-01									
GRPTK2	60Ka-02	OTHER2								
GRPTK3	60Ka-03	PTLQ-2	40K-							
GRPTK4	60Ka-01									
FLSHTNK	60Ka-01									
T-107	60Ka-01									

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

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	WW Tank Control	Maximum TVP	Storage Vessel Description	AMEL ID No.	Guidepole	Reid Vapor Pressure	Control Device ID No.
GRPTKI	60Kb-01									
GRPTK2	60Kb-01									
GRPTK3	60Kb-01									
GRPTK4	60Kb-01	VOL	10K-20K							
FLSHTNK	60Kb-01									
T-107	60Kb-01	PTCD-BF3	420K-							

11. TCEQ FORM OP-UA6

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 1)
Federal Operating Permit Program
Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart D: Standards of Performance for Fossil Fuel-Fired Steam Generators
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Construction/ Modification Date	Covered Under Subpart Da or KKKK	Changes to Existing Affected Facility	Heat Input Rate	Alternate 42C	PM CEMS	Opacity Monitoring	Gas/Liquid Fuel	Fuels with 0.33 % or Less Sulfur	Specific Site
DEHYBOI	60D-01	78+	NO	NO	250-						
BOI-1	60D-01	78+	NO	NO	250-						
H-1	60D-01	78+	NO	NO	250-						
H-3	60D-01	78+	NO	NO	250-						
H-5	60D-01	78+	NO	NO	250-						

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 6)
Federal Operating Permit Program
Table 3a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Construction/Modification Date	Heat Input Capacity	Subpart Da	Changes to Existing Affected Facility	Subpart Ea, Eb, or AAAA	Subpart KKKK	Subpart Cb or BBBB
DEHYBOI	60D-01	05+CR	100-					
BOI-1	60D-02	84-						
H-1	60D-02	84-						
H-3	60D-02	84-						
H-5	60D-02	84-						

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 11)
Federal Operating Permit Program
Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Dc: Standards of Performance for Industrial-Commercial Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Construction/ Modification Date	Maximum Design Heat Input Capacity	Applicability	Heat Input Capacity	D-Series Fuel Type	D-Series Fuel Type	D-Series Fuel Type	ACF Option SO_2	ACF Option PM	30% Coal Duct Burner
DEHYBOI	60D-01	05+	10-								
BOI-1	60D-02	89-									
H-1	60D-02	89-									
H-3	60D-02	89-									
H-5	60D-02	89-									

12. TCEQ FORM OP-UA7

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 1)
Federal Operating Permit Program
Table 1: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Control of Air Pollution from Visible Emissions and Particulate Matter

Date	Permit No.:	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No	Acid Gases Only	Emergency/Upset Conditions Only	Alternate Opacity Limitation (AOL)	AOL ID No.	Construction Date
FL-1	R1111-01	NO	YES			
FL-2	R1111-01	NO	NO			
FL-3	R1111-02	NO	NO	NO		72+
GO-FLARE1	R1111-02	NO	NO	NO		72+

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 3)
Federal Operating Permit Program
Table 3: Title 40 Code of Federal Regulations Part 60 and 61 (40 CFR Part 60 and 40 CFR Part 61)
Subpart A: General Provisions of Standards of Performance for New Stationary Sources and National Emission Standards for Hazardous Air Pollutants

Date	Permit No.:	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Subject to 40 CFR §60.18	Adhering to Heat Content Specifications	Flare Assist Type	Flare Exit Velocity	Heating Value of Gas
FL-1	60A-01	YES	YES	NONE	60-	
FL-2	60A-01	YES	YES	NONE	60-	
FL-3	60A-01	NO				
GO-FLARE1	60A-01	YES	YES	NONE	60-	

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 4)
Federal Operating Permit Program
Table 4: Title 40 Code of Federal Regulations Part 63
Subpart A: General Provisions of National Emission Standards for Hazardous Air Pollutants for Source Categories

Date	Permit No.:	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Required Under 40 CFR Part 63	Heat Content Specification	Flare Assist Type	Flare Exit Velocity	Heating Value of Gas
FL-1	63A-01	NO				
FL-2	63A-01	NO				
FL-3	63A-01	NO				
GO-FLARE1	63A-02	YES	YES	AIR		

13. TCEQ FORM OP-UA10

Gas Sweetening/Sulfur Recovery Unit Attributes
Form OP-UA10 (Page 1)
Federal Operating Permit Program
Table 1: Title 30 Texas Administrative Code Chapter 112 (30 TAC Chapter 112)
Control of Air Pollution from Sulfur Compounds
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Process ID No.	SOP/GOP Index No.	Sulfur Recovery Plant	Stack Height	Emission Point ID No.
PRO-AMINE	R112-01	NO		
AMNVENT	R112-01	NO		

14. TCEQ FORM OP-UA11

Stationary Turbine Attributes
Form OP-UA11 (Page 1)
Federal Operating Permit Program
Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GG: Stationary Gas Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Peak Load Heat Input	Construction/ Modification Date	Turbine Cycle	Subpart GG Service Type	Federal Register	Manufacturer's Rated Base Load
Unit 924	60GG-01	10-100	77-82	SIMPLE	OTHER		
Unit 925	60GG-01	10-100	77-82	SIMPLE	OTHER		
Unit 926	60GG-01	10-100	77-82	SIMPLE	OTHER		
Unit 927	60GG-01	10-100	77-82	SIMPLE	OTHER		
Unit 930	60GG-02	10-100	82-04	SIMPLE	OTHER		
Unit 184	60GG-03	10-100	77-				

Stationary Turbine Attributes
Form OP-UA11 (Page 2)
Federal Operating Permit Program
Table 1b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GG: Stationary Gas Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	NO_x Control Method	NO_x Monitoring Method	Alternative Monitoring ID No.	Regulated Under Part 75	Turbine Combustion Process	CEMS Performance Evaluation
Unit 924	60GG-01						
Unit 925	60GG-01						
Unit 926	60GG-01						
Unit 927	60GG-01						
Unit 930	60GG-02	NONE	NONE				
Unit 184	60GG-03						

Stationary Turbine Attributes
Form OP-UA11 (Page 3)
Federal Operating Permit Program
Table 1c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GG: Stationary Gas Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Duct Burner	NO_x Allowance	Sulfur Content	Fuel Type Fired	Fuel Supply	Fuel Monitoring Schedule	Custom Fuel Monitoring ID No.
Unit 924	60GG-01		NO	YES	NG	NONE	331U	
Unit 925	60GG-01		NO	YES	NG	NONE	331U	
Unit 926	60GG-01		NO	YES	NG	NONE	331U	
Unit 927	60GG-01		NO	YES	NG	NONE	331U	
Unit 930	60GG-02		NO	YES	NG	NONE	331U	
Unit 184	60GG-03		NO	YES	NG	NONE	331U	

Stationary Turbine Attributes
Form OP-UA11 (Page 11)
Federal Operating Permit Program
Table 5: Title 40 Code of Federal Regulations, Part 63 (40 CFR, Part 63)
Subpart YYYY: National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Construction/ Reconstruction Date	Rated Peak Power Output	Type of Service	Fuel Fired	Turbine Combustion Process	Oxidation Catalyst	Alternate Limitations	Previous Performance Test	Distillate Oil Fired
Unit 924	63YYYY-01	03-								
Unit 925	63YYYY-01	03-								
Unit 926	63YYYY-01	03-								
Unit 927	63YYYY-01	03-								
Unit 930	63YYYY-01	03-								
Unit 184	63YYYY-01	03-								

Stationary Turbine Attributes
Form OP-UA11 (Page 12)
Federal Operating Permit Program
Table 6a: Title 40 Code of Federal Regulations (40 CFR Part 60)
Subpart KKKK: Stationary Combustion Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Unit Type	Construction/Modification Date	Heat Input	Subject to Da	Service Type	NO_x Standard	Fuel Type
Unit 924	60KKKK-01	SIMPLE	2005-					
Unit 925	60KKKK-01	SIMPLE	2005-					
Unit 926	60KKKK-01	SIMPLE	2005-					
Unit 927	60KKKK-01	SIMPLE	2005-					
Unit 930	60KKKK-01	SIMPLE	2005-					
Unit 184	60KKKK-01	SIMPLE	2005-					

15. TCEQ FORM OP-UA12

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 1)
Federal Operating Permit Program
Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Facility Type	Construction/ Modification Date	Facility Covered by 40 CFR Part 60, Subparts VV or GGG	Title 40 CFR Part 60, Subpart KKK Fugitives Unit Components				
					Compressors	Reciprocating Compressor in Wet Gas Service	AMEL	AMEL ID No.	Complying with § 60.482-3
FUG	60KKK-01	GROUP	84-						
FUG-1	60KKK-02	OTHER							
FUG-KKK	60KKK-03	GROUP	84-11	NO	NO	NO			NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 2)
Federal Operating Permit Program
Table 1b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)					
		Any Component		Pumps			
		Vacuum Service	Non-VOC or Non-Wet Gas Service	Light Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-2
FUG	60KKK-01						
FUG-1	60KKK-02						
FUG-KKK	60KKK-03	NO	NO	YES	NO		YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 3)
Federal Operating Permit Program
Table 1c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit No.	SOP Index No.	Title 30 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)							
		Pumps (continued)					Pressure Relief Device		
		Heavy Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-8	Gas/Vapor Service	AMEL	AMEL ID No.	Complying with § 60.482-4
FUG	60KKK-01								
FUG-1	60KKK-02								
FUG-KKK	60KKK-03	NO			NO	NO			NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 4)
Federal Operating Permit Program
Table 1d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

		Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)							
					Pressure Relief Devices (continued)				
Unit ID No.	SOP Index No.	Light Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-8	Heavy Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-8
FUG	60KKK-01								
FUG-1	60KKK-02								
FUG-KKK	60KKK-03	YES	NO		YES	NO			NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 5)
Federal Operating Permit Program
Table 1e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

		Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)							
Unit ID No.	SOP Index No.	Open-ended Valves or Lines	AMEL	AMEL ID No.	Complying with § 60.482-6	Flanges and Other Connectors	AMEL	AMEL ID No.	Complying with § 60.482-8
FUG	60KKK-01								
FUG-1	60KKK-02								
FUG-KKK	60KKK-03	NO			NO	YES	NO		YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 6)
Federal Operating Permit Program
Table 1f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)								
		Valves								
		2% Valves Leaking	Gas/Vapor Service	AMEL	AMEL ID No.	Complying with § 60.482-7	Light Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-7
FUG	60KKK-01									
FUG-1	60KKK-02									
FUG-KKK	60KKK-03	NO	YES	NO		YES	YES	NO		YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 7)
Federal Operating Permit Program
Table 1g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

		Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)								
		Valves (continued)					Closed Vent Systems and		Control Devices	
Unit ID No.	SOP Index No	Heavy Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-8	Control Devices used to comply with AMEL	AMEL ID No.	Flare	Control Device ID No.	Complying with §60.482-10
FUG	60KKK-01									
FUG-1	60KKK-02									
FUG-KKK	60KKK-03	NO			NO	NO				NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 8)
Federal Operating Permit Program
Table 1h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Closed Vent Systems and Control Fugitive Devices Unit Components (continued)					
		Vapor Recovery System	Control Device ID No.	Complying with § 60.482-10	Enclosed Combustion Device	Control Device ID No.	Complying with § 60.482-10
FUG	60KKK-01						
FUG-1	60KKK-02						
FUG-KKK	60KKK-03	NO		NO	NO		NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 9)
Federal Operating Permit Program
Table 1i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)		
		Control Device(s) and Closed Vent Systems (continued)		
		Closed-Vent Systems	Complying with § 60.482-10	Control Device ID No.
FUG	60KKK-01			
FUG-1	60KKK-02			
FUG-KKK	60KKK-03	NO	NO	

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 10)
Federal Operating Permit Program
Table 1j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Fugitive Unit Description
FUG	60KKK-01	Facilities constructed before January 20, 1984
FUG-1	60KKK-02	Facilities are not considered a natural gas processing plant,
FUG-KKK	60KKK-03	Plant fugitives applicable to Subpart KKK.

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 98)
Federal Operating Permit Program
Table 13a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	AMEL	AMEL ID No.	Subject to Another Regulation	VHAP Weight Percent	< 300 Operating Hours	Vacuum Service	Sampling Connection Systems
FUG-1	63HH-01	NO		NONE	10-	NO		

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 173)
Federal Operating Permit Program
Table 19e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Construction/Modification Date	Fugitive Component	AMEL	Subject to Another Regulation
FUG OOOOA	60OOOOa	15+	EQNGPP		NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 174)
Federal Operating Permit Program
Table 19f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components					
			Pumps				
		Any Vacuum Service	Light Liquid Service	Design Capacity < 10MM	AMEL	AMEL ID No.	Complying with 60.482-2a
FUG OOOOA	60OOOOa	NO	YES	NO	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 175)
Federal Operating Permit Program
Table 19g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components			
		Pressure Relief Devices			
		Gas/Vapor Service	Design Capacity < 10MM	AMEL	Complying with 60.482-4a
FUG OOOOA	60OOOOa	YES	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 176)
Federal Operating Permit Program
Table 19h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Title 40 CFR Part60, Subpart OOOOa Fugitive Unit Components (continued)			
		Valves			
		Open-Ended	AMEL	AMEL ID No.	Complying with 60.482-6a
FUG OOOOA	60OOOOa	YES	NO	NO	YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 177)
Federal Operating Permit Program
Table 19i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Title 40CFR Part 60, Subpart OOOOa Fugitives Unit Components (continued)					
		Valves					
		Gas/Vapor or Light Liquid Service	Design Capacity < 10MM	2.0%	AMEL	AMEL ID No.	Complying with 60.482-7a
FUG OOOOA	60OOOOa	YES	NO	NO	NO	NO	YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 178)
Federal Operating Permit Program
Table 19j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)							
		Pumps				Valves			
		Heavy Liquid Service	AMEL	AMEL ID No.	Complying with 60.482-8a	Heavy Liquid Service	AMEL	AMEL ID No.	Complying with 60.482-8a
FUG OOOOA	60OOOOa	NO	NO	NO	NO	NO	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 179)
Federal Operating Permit Program
Table 19k: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)							
		Pressure Relief Devices				Connectors			
		Heavy or Light Liquid Service	AMEL	AMEL ID No.	Complying with 60.482-8a	Heavy Liquid Service	AMEL	AMEL ID No.	Complying with 60.482-8a
FUG OOOOA	60OOOOa	YES	NO	NO	NO	NO	NO	NO	YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 180)
Federal Operating Permit Program
Table 19l: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

		Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)				
		Closed-Vent Systems and Control Devices (continued)				
Unit ID. No.	SOP/GOP Index No.	Vapor Recovery System	AMEL	AMEL ID No.	Complying with 60.482-10a	Control Device ID No.
FUG OOOOA	60OOOOa	NO	NO	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 181)
Federal Operating Permit Program
Table 19m: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

		Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)				
		Closed-Vent Systems and Control Devices (continued)				
Unit ID. No.	SOP/GOP Index No.	Enclosed Combustion Device	AMEL	AMEL ID No.	Complying with 60.482-10a	Control Device ID No.
FUG OOOOA	60OOOOa	NO	NO	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 182)
Federal Operating Permit Program
Table 19n: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

		Title 40 CFR Part	60, Subpart OOOOa	Fugitive Unit	Components	(continued)
		Control Devices				
Unit ID. No.	SOP/GOP Index No.	Flare	AMEL	AMEL ID No.	Complying with 60.482-10a	Control Device ID No.
FUG OOOOA	60OOOOa	NO	NO	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 183)
Federal Operating Permit Program
Table 19o: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

		Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)								
		Control Devices				Connectors				
Unit ID. No.	SOP/GOP Index No	CVS	AMEL	AMEL ID No.	Complying with 60.482-10a	Gas/Vapor or Light Liquid Service	Design Capacity < 10MM	AMEL	AMEL ID No.	Complying with 60.482-11a
FUG OOOOA	60OOOOa	NO	NO	NO	NO	YES	NO	NO	NO	YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 184)
Federal Operating Permit Program
Table 19p: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued) Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Description
FUG OOOOA	60OOOOa	Fugitive components added after September 18, 2015.

16. TCEQ FORM OP-UA13

Texas Commission on Environmental Quality
Cooling Tower Attributes
Form OP-UA13 (Page 1)
Federal Operating Permit Program
Table 1: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart Q: National Emission Standards for Hazardous Air Pollutants (HAPs) for Industrial Process Cooling Towers

Date	Permit No.:	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Used Compounds Containing Chromium on or After September 8, 1994	Initial Start-up Date
CT-1	63Q-01	NO	

17. TCEQ FORM OP-UA15

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 1)
Federal Operating Permit Program
Table 1a: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Subchapter A: Visible Emissions
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Emission Point ID No.	SOP/GOP Index No.	Alternate Opacity Limitation	AOL ID No.	Vent Source	Opacity Monitoring System	Construction Date	Effluent Flow Rate
GRP111A	R1111-01	NO		OTHER	NONE	72-	100-
GRP111B	R1111-02	NO		OTHER	NONE	72+	100-

18. TCEQ FORM OP-UA62

Texas Commission on Environmental Quality
Glycol Dehydration Unit Attributes
Form OP-UA62 (Page 1)
Federal Operating Permit Program

Table 1a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subchapter HH: National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities

Date:	**11/19/2024**
Permit No.:	**O-3184**
Regulated Entity No.:	**RN100220078**

GOP Questions highlighted.

Emission Point ID No.	SOP/GOP Index No.	Alternate Means of Emission Limitation (AMEL)	AMEL ID No.	HAP Source	Affected Source Type	Area Source Exemption	Existing Unit
DEHYVENT	63HH-01	NO		MAJOR	SMALL		YES

Texas Commission on Environmental Quality
Glycol Dehydration Unit Attributes
Form OP-UA62 (Page 2)
Federal Operating Permit Program

Table 1b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subchapter HH: National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities

Date:	**11/19/2024**
Permit No.:	**O-3184**
Regulated Entity No.:	**RN100220078**

Emission Point ID No.	SOP/GOP Index No.	Process Vent Control	Bypass Device	Flow Indicator	Sealed Closed Vent System	Unsafe to Inspect	Difficult to Inspect
DEHYVENT	63HH-01	BTEX	NO		YES	YES	YES

Texas Commission on Environmental Quality
Glycol Dehydration Unit Attributes
Form OP-UA62 (Page 3)
Federal Operating Permit Program
Table 1c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subchapter HH: National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities

Date:	**11/19/2024**
Permit No.:	**O-3184**
Regulated Entity No.:	**RN100220078**

Emission Point ID No.	SOP/GOP Index No.	Control Device Type	Control Device ID No.	Control Device Operation	Performance Test/ Design Analysis Exemption	Performance Test or Design Analysis
DEHYVENT	63HH-01	FLARE	FL-3			

5. TCEQ FORM OP-SUMR

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.
11/19/2024	**O-3184**	**RN100220078**

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	1	UNIT 185	OP-REQ2	Caterpillar, Unit 185			
D	2	UNIT 186	OP-REQ2	Caterpillar, Unit 186			
D	3	TANK 011	OP-UA3	DEA Tank			
D	4	TANK 027	OP-UA3	Sulfa-Treat Tank			

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
11/19/2024	**O-3184**	**RN100220078**

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
3	TANK 011	OP-UA3	D	GRPTK2
4	TANK 027	OP-UA3	D	GRPTK4

7. TCEQ FORM OP-REQ2

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

Date	Permit No.	Regulated Entity No.
11/19/2024	**O-3184**	**RN100220078**

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
D	1	UNIT 185	OP-UA2	MACT ZZZZ	§ 63.6585(b) § 63.6675	As the compressor station pushes gas from the plant into a transmission pipeline, it does meet the definition for "Oil and gas production facility" and is not subject to MACT ZZZZ requirements.
D	2	UNIT 186	OP-UA2	MACT ZZZZ	§ 63.6585(b) § 63.6675	As the compressor station pushes gas from the plant into a transmission pipeline, it does meet the definition for "Oil and gas production facility" and is not subject to MACT ZZZZ requirements.

6. TCEQ FORM OP-REQ1

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 1)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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

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

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 2)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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

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

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

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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

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

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 4)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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

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

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 5)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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

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

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

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

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

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

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

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

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

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

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

IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds**		
	A.	**Applicability**	
♦	1.	The application area is located in the Houston/Galveston/Brazoria, Beaumont/Port Arthur, or Dallas/Fort Worth Eight-Hour area. *For SOP applications, if the response to Question IV.A.1 is "Yes," complete Sections IV.B - IV.F and IV.H.* *For GOP applications for GOPs 511, 512, 513, or 514, if the response to Question IV.A.1 is "Yes," go to Section IV.F.* *For GOP applications for GOP 517, if the response to Question IV.A.1 is "Yes," complete Sections IV.C and IV.F.* *For GOP applications, if the response to Question IV.A.1 is "No," go to Section VI.*	☐ Yes ☒ No
	2.	The application area is located in Bexar, Comal, Ellis, Hays, or McLennan County and includes a cement kiln. *If the response to Question IV.A.2 is "Yes," go to Question IV.H.1.*	☐ Yes ☒ No
	3.	The application area includes a utility electric generator in an east or central Texas county. *See instructions for a list of counties included.* *If the response to Question IV.A.3 is "Yes," go to Question IV.G.1.* *If the responses to Questions IV.A.1 - 3 are all "No," go to Question IV.H.1.*	☐ Yes ☒ No
	B.	**Utility Electric Generation in Ozone Nonattainment Areas**	
	1.	The application area includes units specified in 30 TAC §§ 117.1000, 117.1200, or 117.1300. *If the response to Question IV.B.1 is "No," go to Question IV.C.1.*	☐ Yes ☐ No
	2.	The application area is complying with a System Cap in 30 TAC §§ 117.1020 or 117.1220.	☐ Yes ☐ No

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

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

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IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)**		
	F.	**Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines (continued)**	
♦	4.	The application area is located in the Dallas/Fort Worth Eight-Hour area (except for Wise County) and has units that qualify for an exemption under 30 TAC § 117.2103.	☐ Yes ☐ No
♦	5.	The application area has units subject to the emission specifications under 30 TAC §§ 117.2010 or 30 TAC § 117.2110.	☐ Yes ☐ No
	6.	The application area has a unit that has been approved for alternative case specific specifications (ACSS) in 30 TAC § 117.2025 or 30 TAC § 117.2125. *If the response to Question IV.F.6 is "No," go to Section IV.G.*	☐ Yes ☐ No
	7.	An ACSS for carbon monoxide (CO) has been approved?	☐ Yes ☐ No
	8.	An ACSS for ammonia (NH_3) has been approved?	☐ Yes ☐ No
	9.	Provide the Permit Number(s) and authorization/issuance date(s) of the NSR project(s) that incorporates an ACSS below.	
	G.	**Utility Electric Generation in East and Central Texas**	
	1.	The application area includes utility electric power boilers and/or stationary gas turbines (including duct burners used in turbine exhaust ducts) that were placed into service before December 31, 1995. *If the response to Question IV.G.1 is "No," go to Question IV.H.1.*	☐ Yes ☐ No
	2.	The application area is complying with the System Cap in 30 TAC § 117.3020.	☐ Yes ☐ No
	H.	**Multi-Region Combustion Control - Water Heaters, Small Boilers, and Process Heaters**	
	1.	The application area includes a manufacturer, distributor, retailer or installer of natural gas fired water heaters, boilers or process heaters with a maximum rated capacity of 2.0 MMBtu/hr or less. *If the response to question IV.H.1 is "No," go to Section V.*	☐ Yes ☒ No
	2.	All water heaters, boilers or process heaters manufactured, distributed, retailed or installed qualify for an exemption under 30 TAC § 117.3203.	☐ Yes ☐ No

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

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

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

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

VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	C.	**Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only) (continued)**	
♦	5.	One or more stationary gas turbines subject to 40 CFR Part 60, Subpart GG in the application area is injected with water or steam for the control of nitrogen oxides.	☐ Yes ☐ No
	D.	**Subpart XX - Standards of Performance for Bulk Gasoline Terminals**	
	1.	The application area includes bulk gasoline terminal loading racks. *If the response to Question VI.D.1 is "No," go to Section VI.E.*	☐ Yes ☒ No ☐ N/A
	2.	One or more of the loading racks were constructed or modified after December 17, 1980, and are not subject to 40 CFR Part 63, Subpart CC.	☐ Yes ☐ No
	E.	**Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO_2) Emissions**	
♦	1.	The application area includes affected facilities identified in 40 CFR § 60.640(a) that process natural gas (onshore). *For SOP applications, if the response to Question VI.E.1 is "No," go to Section VI.F. For GOP applications, if the response to Question VI.E.1 is or "N/A," go to Section VI.H.*	☐ Yes ☒ No
♦	2.	The affected facilities commenced construction or modification after January 20, 1984 and on or before August 23, 2011. *For SOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.2 is "No," go to Section VI.H.*	☐ Yes ☐ No
♦	3.	The application area includes a gas sweetening unit with a design capacity greater than or equal to 2 long tons per day (LTPD) of hydrogen sulfide but operates at less than 2 LTPD. *For SOP applications, if the response to Question VI.E.3 is "No," go to Section VI.F. For GOP applications, if the response to Question VI.E.3 is "No," go to Section VI.H.*	☐ Yes ☐ No

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

VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	E.	**Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO_2) Emissions (continued)**	
♦	4.	Federally enforceable operating limits have been established in the preconstruction authorization limiting the gas sweetening unit to less than 2 LTPD. *For SOP applications, if the response to Question VI.E.4. is "No," go to Section VI.F. For GOP applications, if the response to Question VI.E.4. is "No," go to Section VI.H.*	☐ Yes ☐ No
♦	5.	Please provide the Unit ID(s) for the gas sweetening unit(s) that have established federally enforceable operating limits in the space provided below	
	F.	**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants**	
	1.	The application area includes affected facilities identified in 40 CFR § 60.670(a)(1) that are located at a fixed or portable nonmetallic mineral processing plant. *If the response to Question VI.F.1 is "No," go to Section VI.G.*	☐ Yes ☒ No
	2.	Affected facilities identified in 40 CFR § 60.670(a)(1) and located in the application area are subject to 40 CFR Part 60, Subpart OOO.	☐ Yes ☐ No
	G.	**Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems**	
	1.	The application area is located at a petroleum refinery and includes one or more of the affected facilities identified in 40 CFR § 60.690(a)(2) - (4) for which construction, modification, or reconstruction was commenced after May 4, 1987. *If the response to Question VI.G.1 is "No," go to Section VI.H.*	☐ Yes ☒ No
	2.	The application area includes storm water sewer systems.	☐ Yes ☐ No

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
	N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)	
	***Applicability* (continued)**	
3.	The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). *If the response to Question VIII.N.3 is "No," go to Section VIII.O.*	☐ Yes ☐ No
4.	The application area is located at a plant site which emits or has equipment containing/contacting one or more of the HAPs listed in table 1 of 40 CFR Part 63, Subpart CC. *If the response to Question VIII.N.4 is "No," go to Section VIII.O.*	☐ Yes ☐ No
5.	The application area includes Group 1 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐ Yes ☐ No
6.	The application area includes Group 2 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐ Yes ☐ No
7.	The application area includes Group 1 or Group 2 wastewater streams that are conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. *If the response to Question VIII.N.7 is "No," go to Question VIII.N.13.*	☐ Yes ☐ No
8.	The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(i).	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
N.	**Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)**	
	***Applicability* (continued)**	
9.	The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(ii). *If the response to Question VIII.N.9 is "No," go to Question VIII.N.13.*	☐ Yes ☐ No
10.	The application area includes Group 2 wastewater streams or organic streams whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under the provisions of 40 CFR Part 61, Subpart FF on or after December 31, 1992.	☐ Yes ☐ No
	Containers, Drains, and other Appurtenances	
11.	The application area includes containers that are subject to the requirements of 40 CFR § 63.135 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	☐ Yes ☐ No
12.	The application area includes individual drain systems that are subject to the requirements of 40 CFR § 63.136 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	☐ Yes ☐ No
13.	The application area includes Group 1 gasoline loading racks as specified in § 63.650(a).	☐ Yes ☐ No
O.	**Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations**	
1.	The application area receives material that meets the criteria for off-site material as specified in 40 CFR § 63.680(b)(1). *If the response to Question VIII.O.1 is "No" or "N/A," go to Section VIII.P*	☐ Yes ☒ No ☐ N/A
2.	Materials specified in 40 CFR § 63.680(b)(2) are received at the application area.	☐ Yes ☐ No
3.	The application area has a waste management operation receiving off-site material and is regulated under 40 CFR Part 264 or Part 265.	☐ Yes ☐ No

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

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
O.	**Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)**	
11.	The application area receives offsite materials with average VOHAP concentration less than 500 ppmw at the point of delivery that are not combined with materials having a VOHAP concentration of 500 ppmw or greater. *If the response to Question VIII.O.11 is "No," go to Question VIII.O.14.*	☐ Yes ☐ No
12.	VOHAP concentration is determined by direct measurement.	☐ Yes ☐ No
13.	VOHAP concentration is based on knowledge of the off-site material.	☐ Yes ☐ No
14.	The application area includes an equipment component that is a pump, compressor, and agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector or instrumentation system. *If the response to Question VIII.O.14 is "No," go to Question VIII.O.17.*	☐ Yes ☐ No
15.	An equipment component in the application area contains or contacts off-site material with a HAP concentration greater than or equal to 10% by weight.	☐ Yes ☐ No
16.	An equipment component in the application area is intended to operate 300 hours or more during a 12-month period.	☐ Yes ☐ No
17.	The application area includes containers that manage non-exempt off-site material.	☐ Yes ☐ No
18.	The application area includes individual drain systems that manage non-exempt off-site materials.	☐ Yes ☐ No

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

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

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

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

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

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

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

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

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W.	**Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards (continued)**	
32.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. *If the response to Question VIII.W.32 is required, go to Question VIII.W.43.*	☐ Yes ☐ No
33.	The application area has containers, as defined in 40 CFR § 61.341, that receive a continuous butadiene waste stream. *If the response to Question VIII.W.33 is "No," go to Question VIII.W.36.*	☐ Yes ☐ No
34.	The application area is an alternate means of compliance to meet the 40 CFR § 61.345 requirements for containers. *If the response to Question VIII.W.34 is "Yes," go to Question VIII.W.36.*	☐ Yes ☐ No
35.	Covers and closed-vent systems used for containers operate such that the container is maintained at a pressure less than atmospheric pressure.	☐ Yes ☐ No
36.	The application area has individual drain systems, as defined in 40 CFR § 61.341, that receive or manage a continuous butadiene waste stream. *If the response to Question VIII.W.36 is "No," go to Question VIII.W.43.*	☐ Yes ☐ No
37.	The application area is using an alternate means of compliance to meet the 40 CFR § 61.346 requirements for individual drain systems. *If the response to Question VIII.W.37 is "Yes," go to Question VIII.W.43.*	☐ Yes ☐ No

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

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

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

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
X.	**Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)**	
5.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.1312.	☐ Yes ☐ No
6.	The application area includes process wastewater streams, located at existing sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐ Yes ☐ No
7.	The application area includes process wastewater streams, located at new sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐ Yes ☐ No
8.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.X.8 is "Yes," go to Question VIII.X.18.*	☐ Yes ☐ No
9.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.X.9 is "No," go to Question VIII.X.11.*	☐ Yes ☐ No
10.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ Yes ☐ No
11.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ Yes ☐ No
12.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.X.11 - VIII.X.12 are both "No," go to Question VIII.X.14.*	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
X.	**Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)**	
13.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ Yes ☐ No
	Containers	
14.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ Yes ☐ No
	Drains	
15.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.X.15 is "No," go to Question VIII.X.18.*	☐ Yes ☐ No
16.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐ Yes ☐ No
17.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐ Yes ☐ No
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a thermoplastic product process unit. *If the response to Question VIII.X.18 is "No," go to Section VIII.Y.*	☐ Yes ☐ No

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)		
	***Drains* (continued)**	
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.1330(b)(12). *If the response to Question VIII.X.19 is "NO," go to Section VIII.Y.*	☐ Yes ☐ No
20.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at any flow rate.	☐ Yes ☐ No
21.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an annual average flow rate greater than or equal to 10 liters per minute.	☐ Yes ☐ No
22.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an thermoplastic product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an average annual flow rate greater than or equal to 0.02 liter per minute	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**		
	Y.	**Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units.**	
	1.	The application area is subject to 40 CFR Part 63, Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units.	☐ Yes ☒ No
	Z.	**Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste (MSW) Landfills.**	
♦	1.	The application area is subject to 40 CFR Part 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills.	☐ Yes ☒ No
	AA.	**Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)**	
	1.	The application area is located at a site that includes process units that manufacture as a primary product one or more of the chemicals listed in 40 CFR § 63.2435(b)(1).	☐ Yes ☒ No
	2.	The application area is located at a plant site that is a major source as defined in FCAA § 112(a).	☒ Yes ☐ No
	3.	The application area is located at a site that includes miscellaneous chemical manufacturing process units (MCPU) that process, use or generate one or more of the organic hazardous air pollutants listed in § 112(b) of the Clean Air Act or hydrogen halide and halogen HAP. *If the response to Question VIII.AA.1, AA.2 or AA.3 is "No," go to Section VIII.BB.*	☐ Yes ☒ No
	4.	The application area includes process vents, storage vessels, transfer racks, or waste streams associated with a miscellaneous chemical manufacturing process subject to 40 CFR 63, Subpart FFFF. *If the response to Question VIII.AA.4 is "No," go to Section VIII.BB.*	☐ Yes ☐ No

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)		
5.	The application area includes process wastewater streams. *If the response to Question VIII.AA.5 is "No," go to Question VIII.AA.24.*	☐ Yes ☐ No
6.	The application area includes process wastewater streams, located at existing sources, that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 of 40 CFR Part 63, Subpart G or Table 8 and Table 9 of 40 CFR Part 63, Subpart FFFF, as appropriate.	☐ Yes ☐ No
7.	The application area includes process wastewater streams, located at existing sources, that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9 of 40 CFR Part 63, Subpart FFFF, as appropriate.	☐ Yes ☐ No
8.	The application area includes process wastewater streams, located at new sources, that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 of 40 CFR Part 63, Subpart G or Table 8 and Table 9 of 40 CFR Part 63, Subpart FFFF, as appropriate.	☐ Yes ☐ No
9.	The application area includes process wastewater streams, located at new sources, that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9 of 40 CFR Part 63, Subpart FFFF, as appropriate.	☐ Yes ☐ No
10.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.AA.10 is "Yes," go to Question VIII.AA.24.*	☐ Yes ☐ No
11.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.AA.11 is "No," go to Question VIII.AA.13.*	☐ Yes ☐ No
12.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ Yes ☐ No
13.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
	AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)	
14.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.AA.13 and VIII.AA.14 are both "No," go to Question VIII.AA.20.*	☐ Yes ☐ No
15.	Group 1 wastewater streams are transferred to an offsite treatment facility meeting the requirements of 40 CFR § 63.138(h). *If the response to Question VIII.AA.15 is "No," go to Question VIII.AA.17.*	☐ Yes ☐ No
16.	The option to document in the notification of compliance status report that the wastewater will be treated in a facility meeting the requirements of 40 CFR § 63.138(h) is elected.	☐ Yes ☐ No
17.	Group 1 wastewater streams or residuals with a total annual average concentration of compounds in Table 8 of 40 CFR Part 63, Subpart FFFF less than 50 ppmw are transferred offsite. *If the response to Question VIII.AA.17 is "No," go to Question VIII.AA.19.*	☐ Yes ☐ No
18.	The transferor is demonstrating that less than 5 percent of the HAP in Table 9 of 40 CFR Part 63, Subpart FFFF is emitted from waste management units up to the activated sludge unit.	☐ Yes ☐ No
19.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ Yes ☐ No
20.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ Yes ☐ No
21.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.AA.21 is "No," go to Question VIII.AA.24.*	☐ Yes ☐ No
22.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐ Yes ☐ No

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

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
BB.	**Subpart GGGG - National Emission Standards for Hazardous Air Pollutants for: Solvent Extractions for Vegetable Oil Production.**	
1.	The application area includes a vegetable oil production process that: is by itself a major source of HAP emissions or, is collocated within a plant site with other sources that are individually or collectively a major source of HAP emissions.	☐ Yes ☒ No
CC.	**Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation**	
1.	The application area includes a facility at which a site remediation is conducted. *If the answer to Question VIII.CC.1 is "No," go to Section VIII.DD.*	☐ Yes ☒ No
2.	The application area is located at a site that is a major source of HAP. *If the answer to Question VIII.CC.2 is "No," go to Section VIII.DD.*	☐ Yes ☐ No
3.	All site remediations qualify for one of the exemptions contained in 40 CFR § 63.7881(b)(1) through (6). *If the answer to Question VIII.CC.3 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No
4.	All site remediation activities are complete, and the Administrator has been notified in writing. *If the answer to Question VIII.CC.4 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No
5.	Prior to beginning site remediation activities, it was determined that the total quantity of HAP listed in Table 1 of Subpart GGGGG that will be removed during all site remediations will be less than 1 Mg/yr. *If the answer to Question VIII.CC.5 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No
6.	The site remediation will be completed within 30 consecutive calendar days.	☐ Yes ☐ No
7.	No site remediation will exceed 30 consecutive calendar days. *If the answer to Question VIII.CC.7 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No
8.	Site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility.	☐ Yes ☐ No
9.	All site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility. *If the answer to Question VIII.CC.9 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
CC.	**Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation (continued)**	
10.	The application area includes a remediation material management unit used for cleanup of radioactive mixed waste per § 63.7886(c).	☐ Yes ☐ No
11.	The application area includes a remediation material management unit or combination of units with a total annual quantity of HAP less than 1 Mg/yr that is being exempted from § 63.7886(b) per § 63.7886(d).	☐ Yes ☐ No
12.	The application area includes a remediation material management unit that has an average total VOHAP concentration of remediation material less than 500 ppmw and is complying with § 63.7886(b)(2). *If the response to Question VIII.CC.12 is "No," go to Question VIII.CC.14.*	☐ Yes ☐ No
13.	The application area includes a remediation material management unit that concentrates all or part of the material such that the material's VOHAP concentration could increase.	☐ Yes ☐ No
14.	The application area includes containers that manage site remediation materials subject to 40 CFR Part 63, Subpart GGGGG. *If the response to Question VIII.CC.14 is "No," go to Question VIII.CC.21.*	☐ Yes ☐ No
15.	The application area includes containers that are also subject to and complying with another subpart under 40 CFR part 61 or part 63 per § 63.7886(b)(3).	☐ Yes ☐ No
16.	The application area includes containers that are complying with alternative work practice standards that have been approved by the EPA per § 63.7900(e).	☐ Yes ☐ No
17.	The application area includes containers using Container Level 1 controls as specified in 40 CFR § 63.922(b).	☐ Yes ☐ No
18.	The application area includes containers with a capacity greater than 0.46 m^3 that meet the requirements of 40 CFR § 63.7900(b)(3)(i) and (ii).	☐ Yes ☐ No
19.	The application area includes containers using Container Level 2 controls as specified in 40 CFR § 63.923(b).	☐ Yes ☐ No
20.	The application area includes containers using Container Level 3 controls as specified in 40 CFR § 63.924(b).	☐ Yes ☐ No
21.	The application area includes individual drain systems complying with the requirements of 40 CFR § 63.962.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
DD.	**Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area/Sources: Electric Arc Furnace Steelmaking Facilities**	
1.	The application area includes an electric arc furnace (EAF) steelmaking facility, and the site is an area source of hazardous air pollutant (HAP) emissions. *If the response to Question VIII.DD.1 is "No," go to Section VIII.EE.*	☐ Yes ☒ No
2.	The EAF steelmaking facility is a research and development facility. *If the response to Question VIII.DD.2 is "Yes," go to Section VIII.EE.*	☐ Yes ☐ No
3.	Metallic scrap is utilized in the EAF.	☐ Yes ☐ No
4.	Scrap containing motor vehicle scrap is utilized in the EAF.	☐ Yes ☐ No
5.	Scrap not containing motor vehicle scrap is utilized in the EAF.	☐ Yes ☐ No
EE.	**Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities**	
1.	The application area is located at a site that is an area source of HAPs. *If the answer to Question EE.1 is "No," go to Section VIII.FF.*	☐ Yes ☒ No
2.	The application area includes a pipeline breakout station, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R.	☐ Yes ☐ No
3.	The application area includes a pipeline pumping station as defined in 40 CFR Part 63, Subpart BBBBBB.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
EE.	**Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities (continued)**	
4.	The application area includes a bulk gasoline plant as defined in 40 CFR Part 63, Subpart BBBBBB. *If the answer to Question VIII.EE.4 is "No," go to Question VIII.EE.6.*	☐ Yes ☐ No
5.	The bulk gasoline plant was operating, prior to January 10, 2010, in compliance with an enforceable State, local or tribal rule or permit that requires submerged fill as specified in 40 CFR § 63.11086(a).	☐ Yes ☐ No
6.	The application area includes a bulk gasoline terminal, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R or Subpart CC. *If the answer to Question VIII.EE.6 is "No," go to Section VIII.FF.*	☐ Yes ☐ No
7.	The bulk gasoline terminal has throughput of less than 250,000 gallons per day. *If the answer to Question VIII.EE.7 is "Yes," go to Section VIII.FF.*	☐ Yes ☐ No
8.	The bulk gasoline terminal loads gasoline into gasoline cargo tanks other than railcar cargo tanks.	☐ Yes ☐ No
9.	The bulk gasoline terminal loads gasoline into railcar cargo tanks. *If the answer to Question VIII.EE.9 is "No," go to Section VIII.FF.*	☐ Yes ☐ No
10.	The bulk gasoline terminal loads gasoline into railcar cargo tanks which do not collect vapors from a vapor balance system.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**		
	EE.	**Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities (continued)**	
	11.	The bulk gasoline terminal loads gasoline into railcar cargo tanks which collect vapors from a vapor balance system and that system complies with a Federal, State, local, tribal rule or permit.	☐ Yes ☐ No
	FF.	**Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities**	
♦	1.	The application area is located at a site that is an area source of hazardous air pollutants. *If the answer to Question VIII.FF.1 is "No," go to Section VIII.GG.*	☐ Yes ☒ No
♦	2.	The application area includes at least one gasoline dispensing facility as defined in 40 CFR § 63.11132. *If the answer to Question VIII.FF.2 is "No," go to Section VIII.GG.*	☐ Yes ☐ No
♦	3.	The application area includes at least one gasoline dispensing facility with a monthly throughput of less than 10,000 gallons.	☐ Yes ☐ No
♦	4.	The application area includes at least one gasoline dispensing facility where gasoline is dispensed from a fixed gasoline storage tank into a portable gasoline tank for the on-site delivery and subsequent dispensing into other gasoline-fueled equipment.	☐ Yes ☐ No
	GG.	**Recently Promulgated 40 CFR Part 63 Subparts**	
♦	1.	The application area is subject to one or more promulgated 40 CFR Part 63 subparts not addressed on this form. *If the response to Question VIII.GG.1 is "No," go to Section IX. A list of promulgated 40 CFR Part 63 subparts not otherwise addressed on OP-REQ1 is included in the instructions.*	☒ Yes ☐ No
♦	2.	Provide the Subpart designation (i.e. Subpart EEE) in the space provided below.	
Subpart ZZZZ			

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

IX.	**Title 40 Code of Federal Regulations Part 68 (40 CFR Part 68) - Chemical Accident Prevention Provisions**		
	A.	**Applicability**	
♦	1.	The application area contains processes subject to 40 CFR Part 68, Chemical Accident Prevention Provisions, and specified in 40 CFR § 68.10.	☐ Yes ☒ No
	X.	**Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone**	
	A.	**Subpart A - Production and Consumption Controls**	
♦	1.	The application area is located at a site that produces, transforms, destroys, imports, or exports a controlled substance or product.	☐ Yes ☒ No ☐ N/A
	B.	**Subpart B - Servicing of Motor Vehicle Air Conditioners**	
♦	1.	Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area.	☐ Yes ☒ NO
	C.	**Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances**	
♦	1.	The application area sells or distributes one or more nonessential products (which release a Class I or Class II substance) that are subject to 40 CFR Part 82, Subpart C.	☐ Yes ☒ No ☐ N/A
	D.	**Subpart D - Federal Procurement**	
♦	1.	The application area is owned/operated by a department, agency, or instrumentality of the United States.	☐ Yes ☒ No ☐ N/A
	E.	**Subpart E - The Labeling of Products Using Ozone Depleting Substances**	
♦	1.	The application area includes containers in which a Class I or Class II substance is stored or transported prior to the sale of the Class I or Class II substance to the ultimate consumer.	☐ Yes ☒ No ☐ N/A
♦	2.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products containing a Class I or Class II substance.	☐ Yes ☒ No ☐ N/A
♦	3.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products manufactured with a process that uses a Class I or Class II substance.	☐ Yes ☒ No ☐ N/A

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

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

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

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

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

XI.	Miscellaneous (continued)	
E.	**Title IV - Acid Rain Program**	
1.	The application area includes emission units subject to the Acid Rain Program (ARP), including the Opt-In Program.	☐ Yes ☒ No
2.	The application area includes emission units qualifying for the new unit exemption under 40 CFR § 72.7.	☐ Yes ☒ No
3.	The application area includes emission units qualifying for the retired unit exemption under 40 CFR § 72.8.	☐ Yes ☒ No
F.	**40 CFR Part 97, Subpart EEEEE - Cross-State Air Pollution Rule (CSAPR) NO_X Ozone Season Group 2 Trading Program**	
1.	The application area includes emission units subject to the requirements of the CSAPR NO_X Ozone Season Group 2 Trading Program. *If the response to Question XI.F.1 is "No," go to Question XI.F.7.*	☐ Yes ☒ No
2.	The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO_X and heat input.	☐ Yes ☐ No
3.	The application area includes gas or oil-fired units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO_X, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐ Yes ☐ No
4.	The application area includes gas or oil-fired peaking units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix E for NO_X, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐ Yes ☐ No
5.	The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for NO_X and heat input.	☐ Yes ☐ No
6.	The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for NO_X and heat input.	☐ Yes ☐ No
7.	The application area includes emission units that qualify for the CSAPR NO_X Ozone Season Group 2 retired unit exemption.	☐ Yes ☒ No

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

XI.	Miscellaneous (continued)	
G.	**40 CFR Part 97, Subpart FFFFF - Texas SO_2 Trading Program**	
1.	The application area includes emission units complying with the requirements of the Texas SO_2 Trading Program. *If the response to Question XI.G.1 is "No," go to Question XI.G.6.*	☐ Yes ☒ No
2.	The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart B for SO_2 and 40 CFR Part 75, Subpart H for heat input.	☐ Yes ☐ No
3.	The application area includes gas or oil-fired units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix D for SO_2 and heat input.	☐ Yes ☐ No
4.	The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for SO_2 and heat input.	☐ Yes ☐ No
5.	The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for SO_2 and heat input.	☐ Yes ☐ No
6.	The application area includes emission units that qualify for the Texas SO_2 Trading Program retired unit exemption.	☐ Yes ☒ No
H.	**Permit Shield (SOP Applicants Only)**	
1.	A permit shield for negative applicability entries on Form OP-REQ2 (Negative Applicable Requirement Determinations) is being requested or already exists in the permit.	☒ Yes ☐ No

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

XI.	**Miscellaneous (continued)**		
	I.	**GOP Type (Complete this section for GOP applications only)**	
♦	1.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 511 - Oil and Gas General Operating Permit for Brazoria, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Montgomery, Orange, Parker, Rockwall, Tarrant, Waller, and Wise Counties.	☐ Yes ☐ No
♦	2.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 512 - Oil and Gas General Operating Permit for Gregg, Nueces, and Victoria Counties.	☐ Yes ☐ No
♦	3.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 513 - Oil and Gas General Operating Permit for Aransas, Bexar, Calhoun, Matagorda, San Patricio, and Travis Counties.	☐ Yes ☐ No
♦	4.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 514 - Oil and Gas General Operating Permit for All Texas Counties Except Aransas, Bexar, Brazoria, Calhoun, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Gregg, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Matagorda, Montgomery, Nueces, Orange, Parker, Rockwall, San Patricio, Tarrant, Travis, Victoria, Waller, and Wise County.	☐ Yes ☐ No
♦	5.	The application area is applying for initial issuance, revision, or renewal of a solid waste landfill general operating permit under GOP No. 517 - Municipal Solid Waste Landfill general operating permit.	☐ Yes ☐ No
	J.	**Title 30 TAC Chapter 101, Subchapter H**	
♦	1.	The application area is located in a nonattainment area. *If the response to Question XI.J.1 is "No," go to Question XI.J.3.*	☐ Yes ☒ No
♦	2.	The applicant has or will generate emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☐ Yes ☐ No ☐ N/A
♦	3.	The applicant has or will generate discrete emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☐ Yes ☐ No ☒ N/A

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

XI.	**Miscellaneous (continued)**		
	J.	**Title 30 TAC Chapter 101, Subchapter H (continued)**	
♦	4.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities have a collective uncontrolled design capacity to emit 10 tpy or more of NO_X. *If the response to Question XI.J.4 is "Yes," go to Question XI.J.6.*	☐ Yes ☒ No
♦	5.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities previously had a collective uncontrolled design capacity to emit 10 tpy or more of NO_X and is subject to 101.351(c).	☐ Yes ☒ No
	6.	The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I.	☐ Yes ☒ No
♦	7.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area and the site has a potential to emit more than 10 tpy of highly reactive volatile organic compounds (HRVOC) from facilities covered under 30 TAC Chapter 115, Subchapter H, Divisions 1 and 2.	☐ Yes ☒ No
♦	8.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area, the site has a potential to emit 10 tpy or less of HRVOC from covered facilities and the applicant is opting to comply with the requirements of 30 TAC Chapter 101, Subchapter H, Division 6, Highly Reactive VOC Emissions Cap and Trade Program.	☐ Yes ☒ No
	K.	**Periodic Monitoring**	
♦	1.	The applicant or permit holder is submitting at least one periodic monitoring proposal described on Form OP-MON in this application. *If the response to Question XI.K.1 is "Yes," go to Section XI.L.*	☐ Yes ☒ No
♦	2.	The permit currently contains at least one periodic monitoring requirement. *If the responses to Questions XI.K.1 and XI.K.2 are both "No," go to Section XI.L.*	☒ Yes ☐ No
♦	3.	All periodic monitoring requirements are being removed from the permit with this application.	☐ Yes ☒ No

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 84)
Federal Operating Permit Program
Texas Commission on Environmental Quality

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

XI.	**Miscellaneous (continued)**		
	L.	**Compliance Assurance Monitoring**	
♦	1.	The application area includes at least one unit that does not meet the CAM exemptions in 40 CFR § 64.2(b) for all applicable requirements that it is subject to, and the unit has a pre-control device potential to emit greater than or equal to the amount in tons per year required in a site classified as a major source. *If the response to Question XI.L.1 is "No," go to Section XI.M.*	☐ Yes ☒ No
♦	2.	The unit or units defined by XI.L.1 are using a control device to comply with an applicable requirement. *If the response to Question XI.L.2 is "No," go to Section XI.M.*	☐ Yes ☐ No
♦	3.	The permit holder has submitted a CAM proposal on Form OP-MON in a previous application.	☐ Yes ☐ No
♦	4.	The owner/operator or permit holder is submitting a CAM proposal on Form OP-MON according to the deadlines for submittals in 40 CFR § 64.5 in this application. *If the responses to Questions XI.L.3 and XI.L.4 are both "No," go to Section XI.M.*	☐ Yes ☐ No
	5.	The owner/operator or permit holder is submitting a CAM implementation plan and schedule to be incorporated as enforceable conditions in the permit.	☐ Yes ☐ No
	6.	Provide the unit identification numbers for the units for which the applicant is submitting a CAM implementation plan and schedule in the space below.	
♦	7.	At least one unit defined by XI.L.1 and XI.L.2 is using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2).	☐ Yes ☐ No
♦	8.	All units defined by XI.L.1 and XI.L.2 are using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2). *If the response to Question XI.L.8 is "Yes," go to Section XI.M.*	☐ Yes ☐ No

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

XI.	**Miscellaneous (continued)**		
	L.	**Compliance Assurance Monitoring (continued)**	
♦	9.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses particulate matter, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐ Yes ☐ No
♦	10.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐ Yes ☐ No
♦	11.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses a regulated pollutant other than particulate matter or VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐ Yes ☐ No
♦	12.	The control device in the CAM proposal as described by question XI.L.3 or XI.L.4 has a bypass.	☐ Yes ☐ No
	M.	**Title 30 TAC Chapter 113, Subchapter D, Division 5 - Emission Guidelines and Compliance Times**	
♦	1.	The application area includes at least one air curtain incinerator that commenced construction on or before December 9, 2004. *If the response to Question XI.M.1 is "No," or "N/A," go to Section XII.*	☐ Yes ☒ No ☐ N/A
♦	2.	All air curtain incinerators constructed on or before December 9, 2004 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐ Yes ☐ No
XII.	**New Source Review (NSR) Authorizations**		
	A.	**Waste Permits with Air Addendum**	
♦	1.	The application area includes a Municipal Solid Waste Permit or an Industrial Hazardous Waste with an Air Addendum. *If the response to XII.A.1 is "Yes," include the waste permit numbers and issuance date in Section XII.J.*	☐ Yes ☒ No

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

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For SOP applications, answer ALL questions unless otherwise directed.
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XII.	**New Source Review (NSR) Authorizations (continued)**		
	B.	**Air Quality Standard Permits (continued)**	
♦	11.	The application area includes at least one "Rock Crusher" Air Quality Standard Permit NSR authorization.	☐ Yes ☐ No
♦	12.	The application area includes at least one "Electric Generating Unit" Air Quality Standard Permit NSR authorization. *If the response to XII.B.12 is "No," go to Question XII.B.15.*	☐ Yes ☐ No
♦	13.	For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the East Texas Region.	☐ Yes ☐ No
♦	14.	For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the West Texas Region.	☐ Yes ☐ No
♦	15.	The application area includes at least one "Boiler" Air Quality Standard Permit NSR authorization.	☐ Yes ☐ No
♦	16.	The application area includes at least one "Sawmill" Air Quality Standard Permit NSR authorization.	☐ Yes ☐ No
	C.	**Flexible Permits**	
	1.	The application area includes at least one Flexible Permit NSR authorization.	☐ Yes ☒ No
	D.	**Multiple Plant Permits**	
	1.	The application area includes at least one Multi-Plant Permit NSR authorization.	☐ Yes ☒ No

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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):

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

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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
17457	04/15/2013				

♦ **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
006	**05/05/1976**	**070**	**05/08/1972**	**106.511**	**09/04/2000**
006	**05/12/1981**	**072**	**05/08/1972**	**106.512**	**06/13/2001**
007	**11/05/1986**	**072**	**05/12/1981**		
009	**05/08/1972**	**082**	**12/01/1972**		
051	**11/05/1986**	**107**	**05/12/1981**		
053	**11/05/1986**	**106.263**	**11/01/2001**		
057	**05/05/1976**	**106.352**	**09/04/2000**		
057	**05/12/1981**	**106.352**	**02/27/2011**		
058	**05/08/1972**	**106.352**	**02/02/2012**		
058	**05/05/1976**	**106.352**	**11/22/2012**		
058	**05/12/1981**	**106.355**	**11/01/2001**		
059	**05/08/1972**	**106.359**	**09/10/2013**		
064	**05/08/1972**	**106.454**	**11/01/2001**		
066	**11/05/1986**	**106.492**	**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

8. TCEQ FORM OP-PBRSUP

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 1)

Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area

Date	Permit Number	Regulated Entity Number
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Unit ID	Registration Number	PBR No.	Registration Date
FL-1	99582	106.352	06/11/2024
FL-1	99582	106.492	06/11/2024
FL-2	99582	106.352	06/11/2024
FL-2	99582	106.492	06/11/2024
FL-3	99582	106.352	06/11/2024
FL-3	99582	106.492	06/11/2024
FUG-1	99582	106.352	06/11/2024
FUG-1	99582	106.352	06/11/2024
H-1	99582	106.352	06/11/2024
H-1 VENT	99582	106.352	06/11/2024
H-3	99582	106.352	06/11/2024
TL-1	99582	106.352	06/11/2024
TL-FUG	99582	106.352	06/11/2024

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

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Unit ID	PBR No.	Version No./Date
AMNVENT	106.352	10/24/2012
BOI-1	106.352	10/24/2012
BOI-1	106.352	10/24/2012
BOI-1S	106.352	10/24/2012
BOI-1S	106.352	10/24/2012
DEHYBOI	106.352	10/24/2012
DEHYBOI	106.352	10/24/2012
DEHYBOIS	106.352	10/24/2012
DEHYBOIS	106.352	10/24/2012
DEHYVENT	106.352	10/24/2012
FLSHTNK	106.352	10/24/2012
FUG KKK	106.352	10/24/2012
FUG KKK	106.352	10/24/2012
FUGOOOOA	106.352	10/24/2012
GO-FLARE1	106.352	10/24/2012
GO-FLARE1	106.492	10/24/2012
LD-L	106.352	10/24/2012
LD-M	106.352	10/24/2012
T-107	106.352	10/24/2012
931 S	6	5/5/1976
932 S	6	5/5/1976
933 S	6	5/5/1976
924 S	6	5/12/1981
925 S	6	5/12/1981
926 S	6	5/12/1981
927 S	6	5/12/1981
928 S	6	5/12/1981
929 S	6	5/12/1981
CT-1	9	5/8/1972
EMERGEN	106.511	9/4/2000
FIREPUMP	106.511	9/4/2000
FUG	66	11/5/1986
H-1S	107	5/12/1981
H-3S	107	5/12/1981
H-5	7	11/5/1986
H-5S	7	11/5/1986
LD-A	72	5/8/1972

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 2)

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date
LD-B	51	11/5/1986
LD-C	51	11/5/1986
LD-D	51	11/5/1986
LD-F	53	11/5/1986
LD-G	51	11/5/1986
LD-H	53	11/5/1986
LD-1	51	11/5/1986
LD-J	51	11/5/1986
LD-K	51	11/5/1986
OWSH-1	70	5/8/1972
PRO-AMINE	72	5/12/1981
PRO-FRAC1	72	5/5/1976
PRO-FRAC2	72	5/12/1981
PWSH-1	106.454	11/1/2001
STARTER	106.512	6/13/2001
TANK002	58	5/8/1972
TANK003	58	5/8/1972
TANK004	58	5/8/1972
TANK005	58	5/8/1972
TANK006	72	5/8/1972
TANK007	57	5/12/1981
TANK008	106.352	10/24/2012
TANK 009	57	5/5/1976
TANK 010	57	5/12/1981
TANK 012	106.352	10/24/2012
TANK 013	64	5/8/1972
TANK 015	57	5/12/1981
TANK 014	106.352	10/24/2012
TANK 016	57	5/12/1981
TANK 017	58	5/12/1981
TANK 018	58	5/5/1976
TANK 019	58	5/5/1976
TANK020	58	5/5/1976
TANK 021	59	5/8/1972
TANK022	58	5/5/1976
TANK023	58	5/12/1981
TANK024	59	5/8/1972

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 2)

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date
TANK025	58	5/8/1972
TANK026	59	5/8/1972
TANK026	106.352	10/24/2012
TANK028	106.352	10/24/2012
TANK 029	106.352	10/24/2012
UNIT 184S	82	12/1/1972
UNIT 184	82	12/1/1972
UNIT 185	106.512	6/13/2001
UNIT 185S	106.512	6/13/2001
UNIT 186	106.512	6/13/2001
UNIT 186S	106.512	6/13/2001
UNIT 924	6	5/12/1981
UNIT 925	6	5/12/1981
UNIT 926	6	5/12/1981
UNIT 927	6	5/12/1981
UNIT 928	6	5/12/1981
UNIT 929	6	5/12/1981
UNIT 931	6	5/5/1976
UNIT 932	6	5/5/1976
UNIT 933	6	5/5/1976
FUG-C3 Dryer	106.352	10/24/2012
TK-1	106.352	10/24/2012
TL-1	106.352	10/24/2012
RB-STEAM	106.352	10/24/2012

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

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

PBR No.	Version No./Date

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

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
AMNVENT	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
BOI-1	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
BOI-1	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
BOI-1S	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
BOI-1S	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
931 S	6	5/5/1976	Record annual fuel consumption.
932 S	6	5/5/1976	Record annual fuel consumption.
933 S	6	5/5/1976	Record annual fuel consumption.
924 S	6	5/12/1981	Record annual fuel consumption.
925 S	6	5/12/1981	Record annual fuel consumption.
926 S	6	5/12/1981	Record annual fuel consumption.
927 S	6	5/12/1981	Record annual fuel consumption.
928 S	6	5/12/1981	Record annual fuel consumption.
929 S	6	5/12/1981	Record annual fuel consumption.
CT-1	9	5/8/1972	Record annual fuel consumption.
DEHYBOI	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
DEHYBOI	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
DEHYBOIS	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
DEHYBOIS	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
DEHYVENT	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
EMERGEN	106.511	9/4/2000	Record operating hours of the emergency engine whenever it is used to demonstrate that the maximum annual operating hours do not exceed 10% of the normal annual operating schedule of the primary equipment.
FIREPUMP	106.511	9/4/2000	Record operating hours of the emergency engine whenever it is used to demonstrate that the maximum annual operating hours do not exceed 10% of the normal annual operating schedule of the primary equipment.
FL-1	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FL-1	106.492	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FL-2	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FL-2	106.492	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FL-3	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FL-3	106.492	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FLSHTNK	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
FUG KKK	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
FUG KKK	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
FUGOOOOA	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
FUG-1	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FUG-1	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FUG	66	11/5/1986	Use underlying emission calculation methods to determine actual emissions.

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
GO-FLARE1	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
GO-FLARE1	106.492	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
H-1	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
H-1S	107	5/12/1981	Record annual fuel consumption.
H-3	106.352	4/15/1900	Use underlying emission calculation methods to determine actual emissions.
H-3S	107	5/12/1981	Record annual fuel consumption.
H-5	7	11/5/1986	Record annual fuel consumption.
H-5S	7	11/5/1986	Record annual fuel consumption.
LD-A	72	5/8/1972	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-B	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-C	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-D	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-F	53	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-G	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-H	53	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-1	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-J	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-K	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-L	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
LD-M	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
OWSH-1	70	5/8/1972	Use underlying emission calculation methods to determine actual emissions.
PRO-AMINE	72	5/12/1981	Use underlying emission calculation methods to determine actual emissions.
PRO-FRAC1	72	5/5/1976	Use underlying emission calculation methods to determine actual emissions.
PRO-FRAC2	72	5/12/1981	Use underlying emission calculation methods to determine actual emissions.
PWSH-1	106.454	11/1/2001	Use underlying emission calculation methods to determine actual emissions.
STARTER	106.512	6/13/2001	Record annual fuel consumption.
T-107	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK002	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions

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

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
TANK003	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK004	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK005	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK006	72	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK007	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK008	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK 009	57	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 010	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 012	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK 013	64	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 014	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK 015	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 016	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 017	58	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 018	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 019	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK020	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 021	59	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK022	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK023	58	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK024	59	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
TANK025	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK026	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK026	59	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK028	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK 029	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TL-1	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
TL-FUG	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
UNIT 184S	82	12/1/1972	Record annual fuel consumption.
UNIT 184	82	12/1/1972	Record annual fuel consumption.
UNIT 185	106.512	6/13/2001	Record annual fuel consumption.
UNIT 185S	106.512	6/13/2001	Record annual fuel consumption.
UNIT 186	106.512	6/13/2001	Record annual fuel consumption.
UNIT 186S	106.512	6/13/2001	Record annual fuel consumption.
UNIT 924	6	5/12/1981	Record annual fuel consumption.
UNIT 925	6	5/12/1981	Record annual fuel consumption.
UNIT 926	6	5/12/1981	Record annual fuel consumption.
UNIT 927	6	5/12/1981	Record annual fuel consumption.
UNIT 928	6	5/12/1981	Record annual fuel consumption.
UNIT 929	6	5/12/1981	Record annual fuel consumption.
UNIT 931	6	5/5/1976	Record annual fuel consumption.
UNIT 932	6	5/5/1976	Record annual fuel consumption.
UNIT 933	6	5/5/1976	Record annual fuel consumption.
FUG-C3	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TK-1	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TL-1	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
RB-STEAM	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.

4. TCEQ FORM OP-ACPS

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

Date: November 19, 2024	**Regulated Entity No.: 100220078**	**Permit No.: O-3184**
Company Name: Enterprise Hydrocarbons L.P.		**Area Name: Armstrong Gas Plant**

- 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 *Responsible Official* 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. *(For reference only)*	N/A
*	*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.*	

3. TCEQ FORM OP-2

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

Date: 11/19/2024	
Permit No.: O-3184	
Regulated Entity No.: RN100220078	
Company Name: Enterprise Hydrocarbons L.P.	
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

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	☐ SO_2	☐ PM_{10}	☒ CO	☐ Pb	☒ HAP
Other:						
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.						

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

Date: 11/19/2024
Permit No.: O-3184
Regulated Entity No.: RN100220078
Company Name: Enterprise Hydrocarbons L.P.

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	SIG-E	NO	UNIT 185	OP-REQ2	N/A	Removing applicability of 40 CFR Part 63, Subpart ZZZZ.
2	SIG-E	NO	UNIT 186	OP-REQ2	N/A	Removing applicability of 40 CFR Part 63, Subpart ZZZZ.
3	SIG-E	NO	TANK 011	OP-UA3	N/A	Removal of TANK 011 from permit, as it is no longer at facility.
4	SIG-E	NO	TANK 027	OP-UA3	N/A	Removal of TANK 027 from permit, as it is no longer at facility.

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

Date: 11/19/2024		
Permit No.: O-3184		
Regulated Entity No.: RN100220078		
Company Name: Enterprise Hydrocarbons L.P.		
I.	**Significant Revision** *(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)*	
A.	Is the site subject to bilingual requirements pursuant to 30 TAC § 122.322?	☐ YES ☒ NO
B.	Indicate the alternate language(s) in which public notice is required:	
C.	Will, there be a change in air pollutant emissions as a result of the significant revision?	☐ YES ☒ NO

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

Using the table below, indicate the air pollutant(s) that will be changing and include a brief description of the change in pollutant emissions for each pollutant:

Pollutant	Description of the Change in Pollutant Emissions

2. TCEQ FORM OP-1

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

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

I.	**Company Identifying Information**
A.	Company Name: Enterprise Hydrocarbons L.P.
B.	Customer Reference Number (CN): **CN602718553**
C.	Submittal Date *(mm/dd/yyyy)*: **11/19/2024**
II.	**Site Information**
A.	Site Name: Armstrong Gas Plant
B.	Regulated Entity Reference Number (RN): **RN100220078**
C.	Indicate affected state(s) required to review permit application: *(Check the appropriate box[es].)*
☐ AR ☐ CO ☐ KS ☐ LA ☐ NM ☐ OK ☒ N/A	
D.	Indicate all pollutants for which the site is a major source based on the site's potential to emit: *(Check the appropriate box[es].)*
☒ VOC ☒ NO_X ☐ SO_2 ☐ PM_{10} ☒ CO ☐ Pb ☒ HAPS	
Other:	
E.	Is the site a non-major source subject to the Federal Operating Permit Program? ☐ Yes ☒ No
F.	Is the site within a local program area jurisdiction? ☐ Yes ☒ No
G.	Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63? ☐ Yes ☒ No
H.	Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging:
III.	**Permit Type**
A.	Type of Permit Requested: *(Select only one response)*
☒ Site Operating Permit (SOP) ☐ Temporary Operating Permit (TOP) ☐ General Operating Permit (GOP)	

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

IV.	**Initial Application Information** *(Complete for Initial Issuance Applications Only.)*	
A.	Is this submittal an abbreviated or a full application?	☐ Abbreviated ☐ Full
B.	If this is a full application, is the submittal a follow-up to an abbreviated application?	☐ Yes ☐ No
C.	If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit?	☐ Yes ☐ No
D.	Has an electronic copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.)	☐ Yes ☐ No
E.	Has the required Public Involvement Plan been included with this application?	☐ Yes ☐ No
V.	**Confidential Information**	
A.	Is confidential information submitted in conjunction with this application?	☐ Yes ☒ No
VI.	**Responsible Official (RO) Identifying Information**	
RO Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)		
RO Full Name: Graham W. Bacon		
RO Title: Executive Vice President and Chief Operating Officer		
Employer Name: Enterprise Hydrocarbons L.P.		
Mailing Address: P.O. Box 4324		
City: Houston		
State: TX		
ZIP Code: 77210		
Territory:		
Country: USA		
Foreign Postal Code:		
Internal Mail Code:		
Telephone No.: (713) 381-6595		
Fax No.: (281) 887-8086		
Email: environmental@eprod.com		

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

VII. Technical Contact Identifying Information *(Complete if different from RO.)*	
Technical Contact Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)	
Technical Contact Full Name: Daniel Quesada	
Technical Contact Title: Environmental Engineer	
Employer Name: Enterprise Hydrocarbons L.P.	
Mailing Address: P.O. Box 4324	
City: Houston	
State: TX	
ZIP Code: 77210	
Territory:	
Country: USA	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.: 713-381-6770	
Fax No.:	
Email: DEQuesada@eprod.com	
VIII. Reference Only Requirements *(For reference only.)*	
A. State Senator: Lois W. Kolkhorst, District 18	
B. State Representative: Geanie W. Morrison, District 30	
C. Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)?	☒ Yes ☐ No ☐ N/A
D. Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322?	☐ Yes ☒ No
E. Indicate the alternate language(s) in which public notice is required: Spanish	

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

IX.	**Off-Site Permit Request** *(Optional for applicants requesting to hold the FOP and records at an off-site location.)*
A.	Office/Facility Name: Enterprise Hydrocarbons L.P.
B.	Physical Address: 1100 Louisiana St.
City: Houston	
State: TX	
ZIP Code: 77002	
Territory:	
Country: USA	
Foreign Postal Code:	
C.	Physical Location: Environmental Department
D.	Contact Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
Contact Full Name: Daniel Quesada	
E.	Telephone No.: 713-381-6770
X.	**Application Area Information**
A.	Area Name: Armstrong Gas Plant
B.	Physical Address:
City: Yoakum	
State: TX	
ZIP Code: 77995	
C.	Physical Location: From the intersection of Hwy lll and Edgar St (FM 682) in Yoakum, head south on Edgar St for 0.5 miles and turn left onto Burt St (still considered FM 682). Travel on FM 682 for 8.3 miles and turn right onto FM 1447 WlFNl682 S. Travel 1.1 miles to FM 682 S (Evans Rd) and turn left. Travel 4.5 miles to the plant on the right.
D.	Nearest City: Yoakum
E.	State: TX
F.	ZIP Code: 77995

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

X.	**Application Area Information *(continued)***
G.	Latitude (nearest second): 29° 08' 02" N
H.	Longitude (nearest second): 97° 02' 20" W
I.	Are there any emission units that were not in compliance with the applicable requirements identified in the application at the time of application submittal? ☐ Yes ☒ No
J.	Indicate the estimated number of emission units in the application area: 92
K.	Are there any emission units in the application area subject to the Acid Rain Program? ☐ Yes ☒ No
L.	Affected Source Plant Code (or ORIS/Facility Code):
XI.	**Public Notice** *(Complete this section for SOP Applications and Acid Rain Permit Applications only.)*
A.	Name of a public place to view application and draft permit: Cuero Municipal Library
B.	Physical Address: 207 E Main St.
City: Cuero	
ZIP Code: 77954	
C.	Contact Person (Someone who will answer questions from the public during the public notice period):
Contact Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.):	
Contact Person Full Name: Daniel Quesada	
Contact Mailing Address: P.O. Box 4324	
City: Houston	
State: TX	
ZIP Code: 77210	
Territory:	
Country: USA	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.: 713-381-6770	

Federal Operating Permit Program
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XII. Delinquent Fees and Penalties
Notice: This form will not be processed until all delinquent fees and/or penalties owed to TCEQ or the Office of Attorney General on behalf of TCEQ are paid in accordance with the "Delinquent Fee and Penalty Protocol."
Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.
XIII. Designated Representative (DR) Identifying Information
DR Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
DR Full Name:
DR Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:

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Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.
XIV. Alternate Designated Representative (ADR) Identifying Information
ADR Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
ADR Full Name:
ADR Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:

Texas Commission on Environmental Quality

Title V Existing

3184

Site Information (Regulated Entity)

What is the name of the permit area to be authorized?	ARMSTRONG GAS PLANT
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	From the intx of Hwy 111 and Edgar St (FM 682) in Yoakum, head s on Edgar St for 0.5 mi and turn l onto Burt St (still considered FM 682) Travel on FM 682 for 8.3 mi and turn r onto FM 1447 W/FM 682 S. Travel 1.1 mi to FM 682 S and turn L. Travel 4.5 mi
City	Yoakum
State	TX
ZIP	77995
County	DEWITT
Latitude (N) (##.######)	29.133888
Longitude (W) (-###.######)	97.038888
Primary SIC Code	1321
Secondary SIC Code	
Primary NAICS Code	211112
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN100220078
What is the name of the Regulated Entity (RE)?	ARMSTRONG GAS PLANT
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	10 MI S OF YOAKUM ON FM 682
City	YOAKUM
State	TX
ZIP	77995
County	DEWITT
Latitude (N) (##.######)	29.146388
Longitude (W) (-###.######)	-97.0375
Facility NAICS Code	
What is the primary business of this entity?	NATURAL GAS COMPRESSOR STATION

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN602718553
Type of Customer	Partnership
Full legal name of the applicant:	
Legal Name	Enterprise Hydrocarbons L.P.
Texas SOS Filing Number	4910911
Federal Tax ID	742779752

State Franchise Tax ID	17427797521
State Sales Tax ID	
Local Tax ID	
DUNS Number	836434290
Number of Employees	501+
Independently Owned and Operated?	

Responsible Official Contact

Person TCEQ should contact for questions about this application:	
Organization Name	ENTERPRISE HYDROCARBONS LP
Prefix	MR
First	GRAHAM
Middle	
Last	BACON
Suffix	
Credentials	
Title	EXECUTIVE VICE PRESIDENT
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 4324
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77210
Phone (###-###-####)	7133816595
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	7133816811
E-mail	environmental@eprod.com

Duly Authorized Representative Contact

Person TCEQ should contact for questions about this application	
Select existing DAR contact or enter a new contact.	BRADLEY COOLEY(ENTERPRISE PROD...)
Organization Name	ENTERPRISE PRODUCTS OPERATING LLC
Prefix	MR
First	BRADLEY
Middle	
Last	COOLEY
Suffix	
Credentials	
Title	SENIOR DIRECTOR
Enter new address or copy one from list	
Mailing Address	
Address Type	Domestic

Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 4324
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
Zip	77210
Phone (###-###-####)	7133816595
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	2818878086
E-mail	ENVIRONMENTAL@EPROD.COM

Technical Contact

Person TCEQ should contact for questions about this application:	
Select existing TC contact or enter a new contact.	New Contact
Organization Name	Enterprise Hydrocarbons LP
Prefix	MR
First	Daniel
Middle	
Last	Quesada
Suffix	
Credentials	
Title	Environmental Engineer
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 4324
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77210
Phone (###-###-####)	7133816770
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	dequesada@eprod.com

Title V General Information - Existing

1) Permit Type:	SOP
2) Permit Latitude Coordinate:	29 Deg 8 Min 2 Sec
3) Permit Longitude Coordinate:	97 Deg 2 Min 20 Sec
4) Is this submittal a new application or an update to an existing application?	New Application
4.1. What type of permitting action are you applying for?	Renewal
4.1.1. Are there any permits that should be voided upon issuance of this permit application	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?	Duly Authorized Representative
6) Does this application include Acid Rain Program or Cross-State Air Pollution Rule requirements?	No

Title V Attachments Existing

Attach OP-1 (Site Information Summary)

[File Properties]

File Name	OP-1.pdf
Hash	6F0B9C526951BFD9A462AE96389393C7887CCACDB5C2709745D38B3B19CC4BFB
MIME-Type	application/pdf

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

[File Properties]

File Name	OP-2.pdf
Hash	7F3E4E655D308D1BA585DF2BD34B0EC505A8625A38E3E0D0067692502330CB63
MIME-Type	application/pdf

Attach OP-ACPS (Application Compliance Plan and Schedule)

[File Properties]

File Name	OP-ACPS.pdf
Hash	6D49795D96F528A8AFF3C31AA03AA6D4E373B1EE180D286978B071260E35A02F
MIME-Type	application/pdf

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

[File Properties]

File Name	OP-REQ1.pdf
Hash	64558AD2750CB32B5259C8D337834869FE08F7B951B5223FED1E807A566C79AB
MIME-Type	application/pdf

Attach OP-REQ2 (Negative Applicable Requirement Determinations)

[File Properties]

File Name	OP-REQ2.pdf
Hash	E7BB184AC75543919AB900EA4760594AA85C455FA70EA9EC989A0AF89C315E71
MIME-Type	application/pdf

Attach OP-REQ3 (Applicable Requirements Summary)

Attach OP-PBRSUP (Permits by Rule Supplemental Table)

[File Properties]

File Name	OP-PBRSUP.pdf

Hash	4FD3FE527664C2F5EA1D19DAFCF65E92C2244D6BE130114DEC7A20442A43C7C7
MIME-Type	application/pdf

Attach OP-SUMR (Individual Unit Summary for Revisions)

[File Properties]

File Name	OP-SUMR.pdf
Hash	C9A5E02339BBE9581A2B2274B151123BC9AB00E2D95CCA3950A260E8590DF636
MIME-Type	application/pdf

Attach OP-MON (Monitoring Requirements)

Attach OP-UA (Unit Attribute) Forms

[File Properties]

File Name	OP-UA Forms.pdf
Hash	C88B7CEAA2C2505FB74B8722F724E560407A0DB80D84C7D68E8040F417C26673
MIME-Type	application/pdf

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

Attach OP-CRO2 (Change of Responsible Official Information)

Attach OP-DEL (Delegation of Responsible Official)

Attach any other necessary information needed to complete the permit.

[File Properties]

File Name	2024-1115 Enterprise Armstrong SOP 3184 Renewal Application-final.pdf
Hash	A49A2D8ED134C8D6F05C22AA00037A51E159028F6060C026BE2245576925A0BB
MIME-Type	application/pdf

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

Expedite Title V

1) Per Texas Health and Safety Code, Section 382.05155, does the applicant want to expedite the processing of this application?	No

Certification

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

1. I am Bradley J Cooley, the owner of the STEERS account ER101133.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.

4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcemer 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 3184.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Bradley J Cooley OWNER OPERATOR

Account Number:	ER101133
Signature IP Address:	165.225.37.77
Signature Date:	2024-11-19
Signature Hash:	3A72A8E6E16CD866EF25BE5C49B023ABF5352B6D1B85993C51C75C988B374B14
Form Hash Code at time of Signature:	AF12518A063B345075B2081A561F7CF88BFC90C68A7EA3F54758039136D0EE2F

Submission

Reference Number:	The application reference number is 707946
Submitted by:	The application was submitted by ER101133/Bradley J Cooley
Submitted Timestamp:	The application was submitted on 2024-11-19 at 13:07:03 CST
Submitted From:	The application was submitted from IP address 165.225.37.77
Confirmation Number:	The confirmation number is 584016
Steers Version:	The STEERS version is 6.83
Permit Number:	The permit number is 3184

Additional Information

Application Creator: This account was created by Daniel Quesada

TABLE OF CONTENTS

1. EXECUTIVE SUMMARY

Enterprise Hydrocarbons L.P. (Enterprise) owns and operates the Armstrong Gas Plant. The Armstrong Gas Plant is located near Yoakum, in Dewitt County, Texas. Dewitt County is designated as an attainment county for all criteria pollutants. Enterprise has been assigned TCEQ Customer Reference Number (CN) CN602718553, and the Armstrong Gas Plant is assigned Regulated Entity Reference Number (RN) 100220078 and currently operates under Site Operating Permit (SOP) Number O-3184 as part of the Federal Operating Permits (FOP) Program.

The current SOP expires on May 20, 2025. As such, Enterprise is submitting this SOP renewal application to address all requirements of the FOP Program. This permit renewal application is being submitted at least six (6) months, but no earlier than eighteen (18) months, before the date of permit expiration and is considered a timely application as required by 30 TAC §122.133(2). In accordance with 30 TAC §122.241(g), the terms and conditions of the current FOP shall remain in effect until the TCEQ takes final action on this application.

There have been changes to the process or sources since the last revision made to SOP O-3184, and various unit attribute forms have been updated by TCEQ since the last renewal was submitted in April 2019. Therefore, changes have been accounted for in the forms attached, and the most recent versions of the unit attribute forms have been completed and included in this submittal.

Air emission sources at the Armstrong Gas Plant currently operate under New Source Review (NSR) permit 17457 and various Permits by Rule (PBRs). The Armstrong Gas Plant is a major source with respect to Title V permitting requirements and operates under Site Operating Permit (SOP) No. O-3184.

Enterprise's address, technical contact, and responsible official are included below:

Enterprise Hydrocarbons L.P.
1100 Louisiana Street
Houston, Texas 77002

Technical Contact: Daniel Quesada – Engineer, Environmental
Telephone: (713) 381-6770;
Email: dequesada@eprod.com

Responsible Official: Graham W. Bacon - Executive Vice President and Chief Operating Officer
Telephone: (713) 381-6595

1.1 Application Contents

The enclosed Title V SOP renewal application for the Armstrong Gas Plant consists of the following forms:

- Section 2. TCEQ Form OP-1
- Section 3. TCEQ Form OP-2
- Section 4. TCEQ Form OP-ACPS
- Section 5. TCEQ Form OP-SUMR

- Section 6. TCEQ Form OP-REQ1
- Section 7. TCEQ Form OP-REQ2
- Section 8. TCEQ Form OP-PBRSUP
- Section 9. TCEQ Form OP-UA2
- Section 10. TCEQ Form OP-UA3
- Section 11. TCEQ Form OP-UA6
- Section 12. TCEQ Form OP-UA7
- Section 13. TCEQ Form OP-UA10
- Section 14. TCEQ Form OP-UA11
- Section 15. TCEQ Form OP-UA12
- Section 16. TCEQ Form OP-UA13
- Section 17. TCEQ Form OP-UA15
- Section 18. TCEQ Form OP-UA62

2. TCEQ FORM OP-1

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

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

I.	**Company Identifying Information**
A.	Company Name: Enterprise Hydrocarbons L.P.
B.	Customer Reference Number (CN): **CN602718553**
C.	Submittal Date *(mm/dd/yyyy)*: **11/19/2024**
II.	**Site Information**
A.	Site Name: Armstrong Gas Plant
B.	Regulated Entity Reference Number (RN): **RN100220078**
C.	Indicate affected state(s) required to review permit application: *(Check the appropriate box[es].)*
☐ AR ☐ CO ☐ KS ☐ LA ☐ NM ☐ OK ☒ N/A	
D.	Indicate all pollutants for which the site is a major source based on the site's potential to emit: *(Check the appropriate box[es].)*
☒ VOC ☒ NO_X ☐ SO_2 ☐ PM_{10} ☒ CO ☐ Pb ☒ HAPS	
Other:	
E.	Is the site a non-major source subject to the Federal Operating Permit Program? ☐ Yes ☒ No
F.	Is the site within a local program area jurisdiction? ☐ Yes ☒ No
G.	Will emissions averaging be used to comply with any Subpart of 40 CFR Part 63? ☐ Yes ☒ No
H.	Indicate the 40 CFR Part 63 Subpart(s) that will use emissions averaging:
III.	**Permit Type**
A.	Type of Permit Requested: *(Select only one response)*
☒ Site Operating Permit (SOP) ☐ Temporary Operating Permit (TOP) ☐ General Operating Permit (GOP)	

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

IV.	**Initial Application Information** *(Complete for Initial Issuance Applications Only.)*	
A.	Is this submittal an abbreviated or a full application?	☐ Abbreviated ☐ Full
B.	If this is a full application, is the submittal a follow-up to an abbreviated application?	☐ Yes ☐ No
C.	If this is an abbreviated application, is this an early submittal for a combined SOP and Acid Rain permit?	☐ Yes ☐ No
D.	Has an electronic copy of this application been submitted (or is being submitted) to EPA? (Refer to the form instructions for additional information.)	☐ Yes ☐ No
E.	Has the required Public Involvement Plan been included with this application?	☐ Yes ☐ No
V.	**Confidential Information**	
A.	Is confidential information submitted in conjunction with this application?	☐ Yes ☒ No
VI.	**Responsible Official (RO) Identifying Information**	
RO Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)		
RO Full Name: Graham W. Bacon		
RO Title: Executive Vice President and Chief Operating Officer		
Employer Name: Enterprise Hydrocarbons L.P.		
Mailing Address: P.O. Box 4324		
City: Houston		
State: TX		
ZIP Code: 77210		
Territory:		
Country: USA		
Foreign Postal Code:		
Internal Mail Code:		
Telephone No.: (713) 381-6595		
Fax No.: (281) 887-8086		
Email: environmental@eprod.com		

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

VII. Technical Contact Identifying Information *(Complete if different from RO.)*	
Technical Contact Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)	
Technical Contact Full Name: Daniel Quesada	
Technical Contact Title: Environmental Engineer	
Employer Name: Enterprise Hydrocarbons L.P.	
Mailing Address: P.O. Box 4324	
City: Houston	
State: TX	
ZIP Code: 77210	
Territory:	
Country: USA	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.: 713-381-6770	
Fax No.:	
Email: DEQuesada@eprod.com	
VIII. Reference Only Requirements *(For reference only.)*	
A. State Senator: Lois W. Kolkhorst, District 18	
B. State Representative: Geanie W. Morrison, District 30	
C. Has the applicant paid emissions fees for the most recent agency fiscal year (Sept. 1 - August 31)?	☒ Yes ☐ No ☐ N/A
D. Is the site subject to bilingual notice requirements pursuant to 30 TAC § 122.322?	☐ Yes ☒ No
E. Indicate the alternate language(s) in which public notice is required: Spanish	

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

IX.	**Off-Site Permit Request** *(Optional for applicants requesting to hold the FOP and records at an off-site location.)*
A.	Office/Facility Name: Enterprise Hydrocarbons L.P.
B.	Physical Address: 1100 Louisiana St.
City: Houston	
State: TX	
ZIP Code: 77002	
Territory:	
Country: USA	
Foreign Postal Code:	
C.	Physical Location: Environmental Department
D.	Contact Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
Contact Full Name: Daniel Quesada	
E.	Telephone No.: 713-381-6770
X.	**Application Area Information**
A.	Area Name: Armstrong Gas Plant
B.	Physical Address:
City: Yoakum	
State: TX	
ZIP Code: 77995	
C.	Physical Location: From the intersection of Hwy lll and Edgar St (FM 682) in Yoakum, head south on Edgar St for 0.5 miles and turn left onto Burt St (still considered FM 682). Travel on FM 682 for 8.3 miles and turn right onto FM 1447 WlFNl682 S. Travel 1.1 miles to FM 682 S (Evans Rd) and turn left. Travel 4.5 miles to the plant on the right.
D.	Nearest City: Yoakum
E.	State: TX
F.	ZIP Code: 77995

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

X.	**Application Area Information *(continued)***
G.	Latitude (nearest second): 29° 08' 02" N
H.	Longitude (nearest second): 97° 02' 20" W
I.	Are there any emission units that were not in compliance with the applicable requirements identified in the application at the time of application submittal? ☐ Yes ☒ No
J.	Indicate the estimated number of emission units in the application area: 92
K.	Are there any emission units in the application area subject to the Acid Rain Program? ☐ Yes ☒ No
L.	Affected Source Plant Code (or ORIS/Facility Code):
XI.	**Public Notice** *(Complete this section for SOP Applications and Acid Rain Permit Applications only.)*
A.	Name of a public place to view application and draft permit: Cuero Municipal Library
B.	Physical Address: 207 E Main St.
City: Cuero	
ZIP Code: 77954	
C.	Contact Person (Someone who will answer questions from the public during the public notice period):
Contact Name Prefix: (☒ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.):	
Contact Person Full Name: Daniel Quesada	
Contact Mailing Address: P.O. Box 4324	
City: Houston	
State: TX	
ZIP Code: 77210	
Territory:	
Country: USA	
Foreign Postal Code:	
Internal Mail Code:	
Telephone No.: 713-381-6770	

Federal Operating Permit Program
Site Information Summary
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Texas Commission on Environmental Quality

XII. Delinquent Fees and Penalties
Notice: This form will not be processed until all delinquent fees and/or penalties owed to TCEQ or the Office of Attorney General on behalf of TCEQ are paid in accordance with the "Delinquent Fee and Penalty Protocol."
Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.
XIII. Designated Representative (DR) Identifying Information
DR Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
DR Full Name:
DR Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:

Federal Operating Permit Program
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Texas Commission on Environmental Quality

Complete Sections XIII and XIV for Acid Rain Permit and CSAPR applications only. Please include a copy of the Certificate of Representation submitted to EPA.
XIV. Alternate Designated Representative (ADR) Identifying Information
ADR Name Prefix: (☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr.)
ADR Full Name:
ADR Title:
Employer Name:
Mailing Address:
City:
State:
ZIP Code:
Territory:
Country:
Foreign Postal Code:
Internal Mail Code:
Telephone No.:
Fax No.:
Email:

3. TCEQ FORM OP-2

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

Date: 11/19/2024	
Permit No.: O-3184	
Regulated Entity No.: RN100220078	
Company Name: Enterprise Hydrocarbons L.P.	
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

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	☐ SO_2	☐ PM_{10}	☒ CO	☐ Pb	☒ HAP
Other:						
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.						

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

Date: 11/19/2024
Permit No.: O-3184
Regulated Entity No.: RN100220078
Company Name: Enterprise Hydrocarbons L.P.

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	SIG-E	NO	UNIT 185	OP-REQ2	N/A	Removing applicability of 40 CFR Part 63, Subpart ZZZZ.
2	SIG-E	NO	UNIT 186	OP-REQ2	N/A	Removing applicability of 40 CFR Part 63, Subpart ZZZZ.
3	SIG-E	NO	TANK 011	OP-UA3	N/A	Removal of TANK 011 from permit, as it is no longer at facility.
4	SIG-E	NO	TANK 027	OP-UA3	N/A	Removal of TANK 027 from permit, as it is no longer at facility.

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

Date: 11/19/2024		
Permit No.: O-3184		
Regulated Entity No.: RN100220078		
Company Name: Enterprise Hydrocarbons L.P.		
I.	**Significant Revision** *(Complete this section if you are submitting a significant revision application or a renewal application that includes a significant revision.)*	
A.	Is the site subject to bilingual requirements pursuant to 30 TAC § 122.322?	☐ YES ☒ NO
B.	Indicate the alternate language(s) in which public notice is required:	
C.	Will, there be a change in air pollutant emissions as a result of the significant revision?	☐ YES ☒ NO

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

Using the table below, indicate the air pollutant(s) that will be changing and include a brief description of the change in pollutant emissions for each pollutant:

Pollutant	Description of the Change in Pollutant Emissions

4. TCEQ FORM OP-ACPS

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

Date: November 19, 2024	**Regulated Entity No.: 100220078**	**Permit No.: O-3184**
Company Name: Enterprise Hydrocarbons L.P.		**Area Name: Armstrong Gas Plant**

- 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 *Responsible Official* 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. *(For reference only)*	N/A
*	*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.*	

5. TCEQ FORM OP-SUMR

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.
11/19/2024	**O-3184**	**RN100220078**

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	1	UNIT 185	OP-REQ2	Caterpillar, Unit 185			
D	2	UNIT 186	OP-REQ2	Caterpillar, Unit 186			
D	3	TANK 011	OP-UA3	DEA Tank			
D	4	TANK 027	OP-UA3	Sulfa-Treat Tank			

Texas Commission on Environmental Quality
Federal Operating Permit Program
Individual Unit Summary for Revisions
Form OP-SUMR
Table 2

Date	Permit No.	Regulated Entity No.
11/19/2024	**O-3184**	**RN100220078**

Revision No.	ID No.	Applicable Form	Group AI	Group ID No.
3	TANK 011	OP-UA3	D	GRPTK2
4	TANK 027	OP-UA3	D	GRPTK4

6. TCEQ FORM OP-REQ1

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 1)
Federal Operating Permit Program
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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

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

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

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

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Texas Commission on Environmental Quality

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

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 4)
Federal Operating Permit Program
Texas Commission on Environmental Quality

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

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

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

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

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

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

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

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

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

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IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds**		
	A.	**Applicability**	
♦	1.	The application area is located in the Houston/Galveston/Brazoria, Beaumont/Port Arthur, or Dallas/Fort Worth Eight-Hour area. *For SOP applications, if the response to Question IV.A.1 is "Yes," complete Sections IV.B - IV.F and IV.H.* *For GOP applications for GOPs 511, 512, 513, or 514, if the response to Question IV.A.1 is "Yes," go to Section IV.F.* *For GOP applications for GOP 517, if the response to Question IV.A.1 is "Yes," complete Sections IV.C and IV.F.* *For GOP applications, if the response to Question IV.A.1 is "No," go to Section VI.*	☐ Yes ☒ No
	2.	The application area is located in Bexar, Comal, Ellis, Hays, or McLennan County and includes a cement kiln. *If the response to Question IV.A.2 is "Yes," go to Question IV.H.1.*	☐ Yes ☒ No
	3.	The application area includes a utility electric generator in an east or central Texas county. *See instructions for a list of counties included.* *If the response to Question IV.A.3 is "Yes," go to Question IV.G.1.* *If the responses to Questions IV.A.1 - 3 are all "No," go to Question IV.H.1.*	☐ Yes ☒ No
	B.	**Utility Electric Generation in Ozone Nonattainment Areas**	
	1.	The application area includes units specified in 30 TAC §§ 117.1000, 117.1200, or 117.1300. *If the response to Question IV.B.1 is "No," go to Question IV.C.1.*	☐ Yes ☐ No
	2.	The application area is complying with a System Cap in 30 TAC §§ 117.1020 or 117.1220.	☐ Yes ☐ No

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

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

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

IV.	**Title 30 TAC Chapter 117 - Control of Air Pollution from Nitrogen Compounds (continued)**		
	F.	**Combustion Control at Minor Sources in Ozone Nonattainment Areas - Boilers, Process Heaters, Stationary Engines and Gas Turbines (continued)**	
♦	4.	The application area is located in the Dallas/Fort Worth Eight-Hour area (except for Wise County) and has units that qualify for an exemption under 30 TAC § 117.2103.	☐ Yes ☐ No
♦	5.	The application area has units subject to the emission specifications under 30 TAC §§ 117.2010 or 30 TAC § 117.2110.	☐ Yes ☐ No
	6.	The application area has a unit that has been approved for alternative case specific specifications (ACSS) in 30 TAC § 117.2025 or 30 TAC § 117.2125. *If the response to Question IV.F.6 is "No," go to Section IV.G.*	☐ Yes ☐ No
	7.	An ACSS for carbon monoxide (CO) has been approved?	☐ Yes ☐ No
	8.	An ACSS for ammonia (NH_3) has been approved?	☐ Yes ☐ No
	9.	Provide the Permit Number(s) and authorization/issuance date(s) of the NSR project(s) that incorporates an ACSS below.	
	G.	**Utility Electric Generation in East and Central Texas**	
	1.	The application area includes utility electric power boilers and/or stationary gas turbines (including duct burners used in turbine exhaust ducts) that were placed into service before December 31, 1995. *If the response to Question IV.G.1 is "No," go to Question IV.H.1.*	☐ Yes ☐ No
	2.	The application area is complying with the System Cap in 30 TAC § 117.3020.	☐ Yes ☐ No
	H.	**Multi-Region Combustion Control - Water Heaters, Small Boilers, and Process Heaters**	
	1.	The application area includes a manufacturer, distributor, retailer or installer of natural gas fired water heaters, boilers or process heaters with a maximum rated capacity of 2.0 MMBtu/hr or less. *If the response to question IV.H.1 is "No," go to Section V.*	☐ Yes ☒ No
	2.	All water heaters, boilers or process heaters manufactured, distributed, retailed or installed qualify for an exemption under 30 TAC § 117.3203.	☐ Yes ☐ No

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

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

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

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

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

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

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

VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	C.	**Subpart GG - Standards of Performance for Stationary Gas Turbines (GOP applicants only) (continued)**	
♦	5.	One or more stationary gas turbines subject to 40 CFR Part 60, Subpart GG in the application area is injected with water or steam for the control of nitrogen oxides.	☐ Yes ☐ No
	D.	**Subpart XX - Standards of Performance for Bulk Gasoline Terminals**	
	1.	The application area includes bulk gasoline terminal loading racks. *If the response to Question VI.D.1 is "No," go to Section VI.E.*	☐ Yes ☒ No ☐ N/A
	2.	One or more of the loading racks were constructed or modified after December 17, 1980, and are not subject to 40 CFR Part 63, Subpart CC.	☐ Yes ☐ No
	E.	**Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO_2) Emissions**	
♦	1.	The application area includes affected facilities identified in 40 CFR § 60.640(a) that process natural gas (onshore). *For SOP applications, if the response to Question VI.E.1 is "No," go to Section VI.F. For GOP applications, if the response to Question VI.E.1 is or "N/A," go to Section VI.H.*	☐ Yes ☒ No
♦	2.	The affected facilities commenced construction or modification after January 20, 1984 and on or before August 23, 2011. *For SOP applications, if the response to Question VI.E.2 is "NO," go to Section VI.F. For GOP applications, if the response to Question VI.E.2 is "No," go to Section VI.H.*	☐ Yes ☐ No
♦	3.	The application area includes a gas sweetening unit with a design capacity greater than or equal to 2 long tons per day (LTPD) of hydrogen sulfide but operates at less than 2 LTPD. *For SOP applications, if the response to Question VI.E.3 is "No," go to Section VI.F. For GOP applications, if the response to Question VI.E.3 is "No," go to Section VI.H.*	☐ Yes ☐ No

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

VI.	**Title 40 Code of Federal Regulations Part 60 - New Source Performance Standards (continued)**		
	E.	**Subpart LLL - Standards of Performance for Onshore Natural Gas Processing: Sulfur Dioxide (SO_2) Emissions (continued)**	
♦	4.	Federally enforceable operating limits have been established in the preconstruction authorization limiting the gas sweetening unit to less than 2 LTPD. *For SOP applications, if the response to Question VI.E.4. is "No," go to Section VI.F. For GOP applications, if the response to Question VI.E.4. is "No," go to Section VI.H.*	☐ Yes ☐ No
♦	5.	Please provide the Unit ID(s) for the gas sweetening unit(s) that have established federally enforceable operating limits in the space provided below	
	F.	**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants**	
	1.	The application area includes affected facilities identified in 40 CFR § 60.670(a)(1) that are located at a fixed or portable nonmetallic mineral processing plant. *If the response to Question VI.F.1 is "No," go to Section VI.G.*	☐ Yes ☒ No
	2.	Affected facilities identified in 40 CFR § 60.670(a)(1) and located in the application area are subject to 40 CFR Part 60, Subpart OOO.	☐ Yes ☐ No
	G.	**Subpart QQQ - Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems**	
	1.	The application area is located at a petroleum refinery and includes one or more of the affected facilities identified in 40 CFR § 60.690(a)(2) - (4) for which construction, modification, or reconstruction was commenced after May 4, 1987. *If the response to Question VI.G.1 is "No," go to Section VI.H.*	☐ Yes ☒ No
	2.	The application area includes storm water sewer systems.	☐ Yes ☐ No

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
	N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)	
	***Applicability* (continued)**	
3.	The application area is located at a plant site that is a major source as defined in the Federal Clean Air Act § 112(a). *If the response to Question VIII.N.3 is "No," go to Section VIII.O.*	☐ Yes ☐ No
4.	The application area is located at a plant site which emits or has equipment containing/contacting one or more of the HAPs listed in table 1 of 40 CFR Part 63, Subpart CC. *If the response to Question VIII.N.4 is "No," go to Section VIII.O.*	☐ Yes ☐ No
5.	The application area includes Group 1 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐ Yes ☐ No
6.	The application area includes Group 2 wastewater streams that are not conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section.	☐ Yes ☐ No
7.	The application area includes Group 1 or Group 2 wastewater streams that are conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR §§ 63.133 - 63.147 of Subpart G wastewater provisions section. *If the response to Question VIII.N.7 is "No," go to Question VIII.N.13.*	☐ Yes ☐ No
8.	The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(i).	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
N.	**Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries (continued)**	
	***Applicability* (continued)**	
9.	The application area includes Group 1 or Group 2 wastewater streams that are complying with 40 CFR § 63.640(o)(2)(ii). *If the response to Question VIII.N.9 is "No," go to Question VIII.N.13.*	☐ Yes ☐ No
10.	The application area includes Group 2 wastewater streams or organic streams whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under the provisions of 40 CFR Part 61, Subpart FF on or after December 31, 1992.	☐ Yes ☐ No
	Containers, Drains, and other Appurtenances	
11.	The application area includes containers that are subject to the requirements of 40 CFR § 63.135 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	☐ Yes ☐ No
12.	The application area includes individual drain systems that are subject to the requirements of 40 CFR § 63.136 as a result of complying with 40 CFR § 63.640(o)(2)(ii).	☐ Yes ☐ No
13.	The application area includes Group 1 gasoline loading racks as specified in § 63.650(a).	☐ Yes ☐ No
O.	**Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations**	
1.	The application area receives material that meets the criteria for off-site material as specified in 40 CFR § 63.680(b)(1). *If the response to Question VIII.O.1 is "No" or "N/A," go to Section VIII.P*	☐ Yes ☒ No ☐ N/A
2.	Materials specified in 40 CFR § 63.680(b)(2) are received at the application area.	☐ Yes ☐ No
3.	The application area has a waste management operation receiving off-site material and is regulated under 40 CFR Part 264 or Part 265.	☐ Yes ☐ No

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

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
O.	**Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations (continued)**	
11.	The application area receives offsite materials with average VOHAP concentration less than 500 ppmw at the point of delivery that are not combined with materials having a VOHAP concentration of 500 ppmw or greater. *If the response to Question VIII.O.11 is "No," go to Question VIII.O.14.*	☐ Yes ☐ No
12.	VOHAP concentration is determined by direct measurement.	☐ Yes ☐ No
13.	VOHAP concentration is based on knowledge of the off-site material.	☐ Yes ☐ No
14.	The application area includes an equipment component that is a pump, compressor, and agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector or instrumentation system. *If the response to Question VIII.O.14 is "No," go to Question VIII.O.17.*	☐ Yes ☐ No
15.	An equipment component in the application area contains or contacts off-site material with a HAP concentration greater than or equal to 10% by weight.	☐ Yes ☐ No
16.	An equipment component in the application area is intended to operate 300 hours or more during a 12-month period.	☐ Yes ☐ No
17.	The application area includes containers that manage non-exempt off-site material.	☐ Yes ☐ No
18.	The application area includes individual drain systems that manage non-exempt off-site materials.	☐ Yes ☐ No

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

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

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

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

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

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

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

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

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

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

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

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

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
X.	**Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)**	
5.	The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.1312.	☐ Yes ☐ No
6.	The application area includes process wastewater streams, located at existing sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐ Yes ☐ No
7.	The application area includes process wastewater streams, located at new sources, that are Group 2 for organic HAPs as defined in 40 CFR § 63.1312.	☐ Yes ☐ No
8.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.X.8 is "Yes," go to Question VIII.X.18.*	☐ Yes ☐ No
9.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.X.9 is "No," go to Question VIII.X.11.*	☐ Yes ☐ No
10.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ Yes ☐ No
11.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ Yes ☐ No
12.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.X.11 - VIII.X.12 are both "No," go to Question VIII.X.14.*	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
X.	**Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)**	
13.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ Yes ☐ No
	Containers	
14.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ Yes ☐ No
	Drains	
15.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.X.15 is "No," go to Question VIII.X.18.*	☐ Yes ☐ No
16.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐ Yes ☐ No
17.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs.	☐ Yes ☐ No
18.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a thermoplastic product process unit. *If the response to Question VIII.X.18 is "No," go to Section VIII.Y.*	☐ Yes ☐ No

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X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued)		
	***Drains* (continued)**	
19.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.1330(b)(12). *If the response to Question VIII.X.19 is "NO," go to Section VIII.Y.*	☐ Yes ☐ No
20.	The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at any flow rate.	☐ Yes ☐ No
21.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an annual average flow rate greater than or equal to 10 liters per minute.	☐ Yes ☐ No
22.	The application area includes drains, drain hubs, manholes, lift stations, trenches or pipes that are part of an thermoplastic product process unit that is a new affected source or part of a new affected source and the equipment conveys water with a total annual average concentration greater than or equal to 10 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an average annual flow rate greater than or equal to 0.02 liter per minute	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**		
	Y.	**Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units.**	
	1.	The application area is subject to 40 CFR Part 63, Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units.	☐ Yes ☒ No
	Z.	**Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste (MSW) Landfills.**	
♦	1.	The application area is subject to 40 CFR Part 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills.	☐ Yes ☒ No
	AA.	**Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON)**	
	1.	The application area is located at a site that includes process units that manufacture as a primary product one or more of the chemicals listed in 40 CFR § 63.2435(b)(1).	☐ Yes ☒ No
	2.	The application area is located at a plant site that is a major source as defined in FCAA § 112(a).	☒ Yes ☐ No
	3.	The application area is located at a site that includes miscellaneous chemical manufacturing process units (MCPU) that process, use or generate one or more of the organic hazardous air pollutants listed in § 112(b) of the Clean Air Act or hydrogen halide and halogen HAP. *If the response to Question VIII.AA.1, AA.2 or AA.3 is "No," go to Section VIII.BB.*	☐ Yes ☒ No
	4.	The application area includes process vents, storage vessels, transfer racks, or waste streams associated with a miscellaneous chemical manufacturing process subject to 40 CFR 63, Subpart FFFF. *If the response to Question VIII.AA.4 is "No," go to Section VIII.BB.*	☐ Yes ☐ No

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AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)		
5.	The application area includes process wastewater streams. *If the response to Question VIII.AA.5 is "No," go to Question VIII.AA.24.*	☐ Yes ☐ No
6.	The application area includes process wastewater streams, located at existing sources, that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 of 40 CFR Part 63, Subpart G or Table 8 and Table 9 of 40 CFR Part 63, Subpart FFFF, as appropriate.	☐ Yes ☐ No
7.	The application area includes process wastewater streams, located at existing sources, that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9 of 40 CFR Part 63, Subpart FFFF, as appropriate.	☐ Yes ☐ No
8.	The application area includes process wastewater streams, located at new sources, that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 of 40 CFR Part 63, Subpart G or Table 8 and Table 9 of 40 CFR Part 63, Subpart FFFF, as appropriate.	☐ Yes ☐ No
9.	The application area includes process wastewater streams, located at new sources, that are Group 2 for compounds listed in Table 8 or Table 8 and Table 9 of 40 CFR Part 63, Subpart FFFF, as appropriate.	☐ Yes ☐ No
10.	All Group 1 wastewater streams at the site are demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.AA.10 is "Yes," go to Question VIII.AA.24.*	☐ Yes ☐ No
11.	The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flow rate of less than 1 MG/yr. *If the response to Question VIII.AA.11 is "No," go to Question VIII.AA.13.*	☐ Yes ☐ No
12.	The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment.	☐ Yes ☐ No
13.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual.	☐ Yes ☐ No

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	AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) (continued)	
14.	Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. *If the responses to Questions VIII.AA.13 and VIII.AA.14 are both "No," go to Question VIII.AA.20.*	☐ Yes ☐ No
15.	Group 1 wastewater streams are transferred to an offsite treatment facility meeting the requirements of 40 CFR § 63.138(h). *If the response to Question VIII.AA.15 is "No," go to Question VIII.AA.17.*	☐ Yes ☐ No
16.	The option to document in the notification of compliance status report that the wastewater will be treated in a facility meeting the requirements of 40 CFR § 63.138(h) is elected.	☐ Yes ☐ No
17.	Group 1 wastewater streams or residuals with a total annual average concentration of compounds in Table 8 of 40 CFR Part 63, Subpart FFFF less than 50 ppmw are transferred offsite. *If the response to Question VIII.AA.17 is "No," go to Question VIII.AA.19.*	☐ Yes ☐ No
18.	The transferor is demonstrating that less than 5 percent of the HAP in Table 9 of 40 CFR Part 63, Subpart FFFF is emitted from waste management units up to the activated sludge unit.	☐ Yes ☐ No
19.	The application area includes waste management units that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream prior to shipment or transport.	☐ Yes ☐ No
20.	The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream.	☐ Yes ☐ No
21.	The application area includes individual drain systems that receive or manage a Group 1 wastewater stream, or a residual removed from a Group 1 wastewater stream. *If the response to Question VIII.AA.21 is "No," go to Question VIII.AA.24.*	☐ Yes ☐ No
22.	The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of cover and, if vented, closed vent systems and control devices.	☐ Yes ☐ No

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

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VIII. Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)		
BB.	**Subpart GGGG - National Emission Standards for Hazardous Air Pollutants for: Solvent Extractions for Vegetable Oil Production.**	
1.	The application area includes a vegetable oil production process that: is by itself a major source of HAP emissions or, is collocated within a plant site with other sources that are individually or collectively a major source of HAP emissions.	☐ Yes ☒ No
CC.	**Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation**	
1.	The application area includes a facility at which a site remediation is conducted. *If the answer to Question VIII.CC.1 is "No," go to Section VIII.DD.*	☐ Yes ☒ No
2.	The application area is located at a site that is a major source of HAP. *If the answer to Question VIII.CC.2 is "No," go to Section VIII.DD.*	☐ Yes ☐ No
3.	All site remediations qualify for one of the exemptions contained in 40 CFR § 63.7881(b)(1) through (6). *If the answer to Question VIII.CC.3 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No
4.	All site remediation activities are complete, and the Administrator has been notified in writing. *If the answer to Question VIII.CC.4 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No
5.	Prior to beginning site remediation activities, it was determined that the total quantity of HAP listed in Table 1 of Subpart GGGGG that will be removed during all site remediations will be less than 1 Mg/yr. *If the answer to Question VIII.CC.5 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No
6.	The site remediation will be completed within 30 consecutive calendar days.	☐ Yes ☐ No
7.	No site remediation will exceed 30 consecutive calendar days. *If the answer to Question VIII.CC.7 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No
8.	Site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility.	☐ Yes ☐ No
9.	All site remediation materials subject to 40 CFR Part 63, Subpart GGGGG are transferred from the application area to an off-site facility. *If the answer to Question VIII.CC.9 is "Yes," go to Section VIII.DD.*	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
CC.	**Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation (continued)**	
10.	The application area includes a remediation material management unit used for cleanup of radioactive mixed waste per § 63.7886(c).	☐ Yes ☐ No
11.	The application area includes a remediation material management unit or combination of units with a total annual quantity of HAP less than 1 Mg/yr that is being exempted from § 63.7886(b) per § 63.7886(d).	☐ Yes ☐ No
12.	The application area includes a remediation material management unit that has an average total VOHAP concentration of remediation material less than 500 ppmw and is complying with § 63.7886(b)(2). *If the response to Question VIII.CC.12 is "No," go to Question VIII.CC.14.*	☐ Yes ☐ No
13.	The application area includes a remediation material management unit that concentrates all or part of the material such that the material's VOHAP concentration could increase.	☐ Yes ☐ No
14.	The application area includes containers that manage site remediation materials subject to 40 CFR Part 63, Subpart GGGGG. *If the response to Question VIII.CC.14 is "No," go to Question VIII.CC.21.*	☐ Yes ☐ No
15.	The application area includes containers that are also subject to and complying with another subpart under 40 CFR part 61 or part 63 per § 63.7886(b)(3).	☐ Yes ☐ No
16.	The application area includes containers that are complying with alternative work practice standards that have been approved by the EPA per § 63.7900(e).	☐ Yes ☐ No
17.	The application area includes containers using Container Level 1 controls as specified in 40 CFR § 63.922(b).	☐ Yes ☐ No
18.	The application area includes containers with a capacity greater than 0.46 m^3 that meet the requirements of 40 CFR § 63.7900(b)(3)(i) and (ii).	☐ Yes ☐ No
19.	The application area includes containers using Container Level 2 controls as specified in 40 CFR § 63.923(b).	☐ Yes ☐ No
20.	The application area includes containers using Container Level 3 controls as specified in 40 CFR § 63.924(b).	☐ Yes ☐ No
21.	The application area includes individual drain systems complying with the requirements of 40 CFR § 63.962.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
DD.	**Subpart YYYYY - National Emission Standards for Hazardous Air Pollutants for Area/Sources: Electric Arc Furnace Steelmaking Facilities**	
1.	The application area includes an electric arc furnace (EAF) steelmaking facility, and the site is an area source of hazardous air pollutant (HAP) emissions. *If the response to Question VIII.DD.1 is "No," go to Section VIII.EE.*	☐ Yes ☒ No
2.	The EAF steelmaking facility is a research and development facility. *If the response to Question VIII.DD.2 is "Yes," go to Section VIII.EE.*	☐ Yes ☐ No
3.	Metallic scrap is utilized in the EAF.	☐ Yes ☐ No
4.	Scrap containing motor vehicle scrap is utilized in the EAF.	☐ Yes ☐ No
5.	Scrap not containing motor vehicle scrap is utilized in the EAF.	☐ Yes ☐ No
EE.	**Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities**	
1.	The application area is located at a site that is an area source of HAPs. *If the answer to Question EE.1 is "No," go to Section VIII.FF.*	☐ Yes ☒ No
2.	The application area includes a pipeline breakout station, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R.	☐ Yes ☐ No
3.	The application area includes a pipeline pumping station as defined in 40 CFR Part 63, Subpart BBBBBB.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**	
EE.	**Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities (continued)**	
4.	The application area includes a bulk gasoline plant as defined in 40 CFR Part 63, Subpart BBBBBB. *If the answer to Question VIII.EE.4 is "No," go to Question VIII.EE.6.*	☐ Yes ☐ No
5.	The bulk gasoline plant was operating, prior to January 10, 2010, in compliance with an enforceable State, local or tribal rule or permit that requires submerged fill as specified in 40 CFR § 63.11086(a).	☐ Yes ☐ No
6.	The application area includes a bulk gasoline terminal, as defined in 40 CFR Part 63, Subpart BBBBBB, not subject to the control requirements of 40 CFR Part 63, Subpart R or Subpart CC. *If the answer to Question VIII.EE.6 is "No," go to Section VIII.FF.*	☐ Yes ☐ No
7.	The bulk gasoline terminal has throughput of less than 250,000 gallons per day. *If the answer to Question VIII.EE.7 is "Yes," go to Section VIII.FF.*	☐ Yes ☐ No
8.	The bulk gasoline terminal loads gasoline into gasoline cargo tanks other than railcar cargo tanks.	☐ Yes ☐ No
9.	The bulk gasoline terminal loads gasoline into railcar cargo tanks. *If the answer to Question VIII.EE.9 is "No," go to Section VIII.FF.*	☐ Yes ☐ No
10.	The bulk gasoline terminal loads gasoline into railcar cargo tanks which do not collect vapors from a vapor balance system.	☐ Yes ☐ No

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VIII.	**Title 40 Code of Federal Regulations Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (continued)**		
	EE.	**Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities (continued)**	
	11.	The bulk gasoline terminal loads gasoline into railcar cargo tanks which collect vapors from a vapor balance system and that system complies with a Federal, State, local, tribal rule or permit.	☐ Yes ☐ No
	FF.	**Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities**	
♦	1.	The application area is located at a site that is an area source of hazardous air pollutants. *If the answer to Question VIII.FF.1 is "No," go to Section VIII.GG.*	☐ Yes ☒ No
♦	2.	The application area includes at least one gasoline dispensing facility as defined in 40 CFR § 63.11132. *If the answer to Question VIII.FF.2 is "No," go to Section VIII.GG.*	☐ Yes ☐ No
♦	3.	The application area includes at least one gasoline dispensing facility with a monthly throughput of less than 10,000 gallons.	☐ Yes ☐ No
♦	4.	The application area includes at least one gasoline dispensing facility where gasoline is dispensed from a fixed gasoline storage tank into a portable gasoline tank for the on-site delivery and subsequent dispensing into other gasoline-fueled equipment.	☐ Yes ☐ No
	GG.	**Recently Promulgated 40 CFR Part 63 Subparts**	
♦	1.	The application area is subject to one or more promulgated 40 CFR Part 63 subparts not addressed on this form. *If the response to Question VIII.GG.1 is "No," go to Section IX. A list of promulgated 40 CFR Part 63 subparts not otherwise addressed on OP-REQ1 is included in the instructions.*	☒ Yes ☐ No
♦	2.	Provide the Subpart designation (i.e. Subpart EEE) in the space provided below.	
Subpart ZZZZ			

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IX.	**Title 40 Code of Federal Regulations Part 68 (40 CFR Part 68) - Chemical Accident Prevention Provisions**		
	A.	**Applicability**	
♦	1.	The application area contains processes subject to 40 CFR Part 68, Chemical Accident Prevention Provisions, and specified in 40 CFR § 68.10.	☐ Yes ☒ No
	X.	**Title 40 Code of Federal Regulations Part 82 (40 CFR Part 82) - Protection of Stratospheric Ozone**	
	A.	**Subpart A - Production and Consumption Controls**	
♦	1.	The application area is located at a site that produces, transforms, destroys, imports, or exports a controlled substance or product.	☐ Yes ☒ No ☐ N/A
	B.	**Subpart B - Servicing of Motor Vehicle Air Conditioners**	
♦	1.	Servicing, maintenance, and/or repair of fleet vehicle air conditioning systems using ozone-depleting refrigerants is conducted in the application area.	☐ Yes ☒ NO
	C.	**Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances**	
♦	1.	The application area sells or distributes one or more nonessential products (which release a Class I or Class II substance) that are subject to 40 CFR Part 82, Subpart C.	☐ Yes ☒ No ☐ N/A
	D.	**Subpart D - Federal Procurement**	
♦	1.	The application area is owned/operated by a department, agency, or instrumentality of the United States.	☐ Yes ☒ No ☐ N/A
	E.	**Subpart E - The Labeling of Products Using Ozone Depleting Substances**	
♦	1.	The application area includes containers in which a Class I or Class II substance is stored or transported prior to the sale of the Class I or Class II substance to the ultimate consumer.	☐ Yes ☒ No ☐ N/A
♦	2.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products containing a Class I or Class II substance.	☐ Yes ☒ No ☐ N/A
♦	3.	The application area is a manufacturer, importer, wholesaler, distributor, or retailer of products manufactured with a process that uses a Class I or Class II substance.	☐ Yes ☒ No ☐ N/A

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

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

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XI.	Miscellaneous (continued)	
E.	**Title IV - Acid Rain Program**	
1.	The application area includes emission units subject to the Acid Rain Program (ARP), including the Opt-In Program.	☐ Yes ☒ No
2.	The application area includes emission units qualifying for the new unit exemption under 40 CFR § 72.7.	☐ Yes ☒ No
3.	The application area includes emission units qualifying for the retired unit exemption under 40 CFR § 72.8.	☐ Yes ☒ No
F.	**40 CFR Part 97, Subpart EEEEE - Cross-State Air Pollution Rule (CSAPR) NO_X Ozone Season Group 2 Trading Program**	
1.	The application area includes emission units subject to the requirements of the CSAPR NO_X Ozone Season Group 2 Trading Program. *If the response to Question XI.F.1 is "No," go to Question XI.F.7.*	☐ Yes ☒ No
2.	The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO_X and heat input.	☐ Yes ☐ No
3.	The application area includes gas or oil-fired units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart H for NO_X, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐ Yes ☐ No
4.	The application area includes gas or oil-fired peaking units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix E for NO_X, and the monitoring requirements of 40 CFR Part 75, Appendix D for heat input.	☐ Yes ☐ No
5.	The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for NO_X and heat input.	☐ Yes ☐ No
6.	The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for NO_X and heat input.	☐ Yes ☐ No
7.	The application area includes emission units that qualify for the CSAPR NO_X Ozone Season Group 2 retired unit exemption.	☐ Yes ☒ No

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XI.	Miscellaneous (continued)	
G.	**40 CFR Part 97, Subpart FFFFF - Texas SO_2 Trading Program**	
1.	The application area includes emission units complying with the requirements of the Texas SO_2 Trading Program. *If the response to Question XI.G.1 is "No," go to Question XI.G.6.*	☐ Yes ☒ No
2.	The application area includes units that are complying with the CEMS requirements of 40 CFR Part 75, Subpart B for SO_2 and 40 CFR Part 75, Subpart H for heat input.	☐ Yes ☐ No
3.	The application area includes gas or oil-fired units that are complying with the monitoring requirements of 40 CFR Part 75, Appendix D for SO_2 and heat input.	☐ Yes ☐ No
4.	The application area includes gas or oil-fired units that are complying with the Low Mass Emissions monitoring requirements of 40 CFR § 75.19 for SO_2 and heat input.	☐ Yes ☐ No
5.	The application area includes units that are complying with EPA-approved alternative monitoring system requirements of 40 CFR Part 75, Subpart E for SO_2 and heat input.	☐ Yes ☐ No
6.	The application area includes emission units that qualify for the Texas SO_2 Trading Program retired unit exemption.	☐ Yes ☒ No
H.	**Permit Shield (SOP Applicants Only)**	
1.	A permit shield for negative applicability entries on Form OP-REQ2 (Negative Applicable Requirement Determinations) is being requested or already exists in the permit.	☒ Yes ☐ No

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XI.	**Miscellaneous (continued)**		
	I.	**GOP Type (Complete this section for GOP applications only)**	
♦	1.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 511 - Oil and Gas General Operating Permit for Brazoria, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Montgomery, Orange, Parker, Rockwall, Tarrant, Waller, and Wise Counties.	☐ Yes ☐ No
♦	2.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 512 - Oil and Gas General Operating Permit for Gregg, Nueces, and Victoria Counties.	☐ Yes ☐ No
♦	3.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 513 - Oil and Gas General Operating Permit for Aransas, Bexar, Calhoun, Matagorda, San Patricio, and Travis Counties.	☐ Yes ☐ No
♦	4.	The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under GOP No. 514 - Oil and Gas General Operating Permit for All Texas Counties Except Aransas, Bexar, Brazoria, Calhoun, Chambers, Collin, Dallas, Denton, El Paso, Ellis, Fort Bend, Galveston, Gregg, Hardin, Harris, Jefferson, Johnson, Kaufman, Liberty, Matagorda, Montgomery, Nueces, Orange, Parker, Rockwall, San Patricio, Tarrant, Travis, Victoria, Waller, and Wise County.	☐ Yes ☐ No
♦	5.	The application area is applying for initial issuance, revision, or renewal of a solid waste landfill general operating permit under GOP No. 517 - Municipal Solid Waste Landfill general operating permit.	☐ Yes ☐ No
	J.	**Title 30 TAC Chapter 101, Subchapter H**	
♦	1.	The application area is located in a nonattainment area. *If the response to Question XI.J.1 is "No," go to Question XI.J.3.*	☐ Yes ☒ No
♦	2.	The applicant has or will generate emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☐ Yes ☐ No ☐ N/A
♦	3.	The applicant has or will generate discrete emission reductions to be credited in the TCEQ Emissions Banking and Trading Program.	☐ Yes ☐ No ☒ N/A

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XI.	**Miscellaneous (continued)**		
	J.	**Title 30 TAC Chapter 101, Subchapter H (continued)**	
♦	4.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities have a collective uncontrolled design capacity to emit 10 tpy or more of NO_X. *If the response to Question XI.J.4 is "Yes," go to Question XI.J.6.*	☐ Yes ☒ No
♦	5.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area where the facilities previously had a collective uncontrolled design capacity to emit 10 tpy or more of NO_X and is subject to 101.351(c).	☐ Yes ☒ No
	6.	The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I.	☐ Yes ☒ No
♦	7.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area and the site has a potential to emit more than 10 tpy of highly reactive volatile organic compounds (HRVOC) from facilities covered under 30 TAC Chapter 115, Subchapter H, Divisions 1 and 2.	☐ Yes ☒ No
♦	8.	The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area, the site has a potential to emit 10 tpy or less of HRVOC from covered facilities and the applicant is opting to comply with the requirements of 30 TAC Chapter 101, Subchapter H, Division 6, Highly Reactive VOC Emissions Cap and Trade Program.	☐ Yes ☒ No
	K.	**Periodic Monitoring**	
♦	1.	The applicant or permit holder is submitting at least one periodic monitoring proposal described on Form OP-MON in this application. *If the response to Question XI.K.1 is "Yes," go to Section XI.L.*	☐ Yes ☒ No
♦	2.	The permit currently contains at least one periodic monitoring requirement. *If the responses to Questions XI.K.1 and XI.K.2 are both "No," go to Section XI.L.*	☒ Yes ☐ No
♦	3.	All periodic monitoring requirements are being removed from the permit with this application.	☐ Yes ☒ No

Application Area-Wide Applicability Determinations and General Information
Form OP-REQ1 (Page 84)
Federal Operating Permit Program
Texas Commission on Environmental Quality

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XI.	**Miscellaneous (continued)**		
	L.	**Compliance Assurance Monitoring**	
♦	1.	The application area includes at least one unit that does not meet the CAM exemptions in 40 CFR § 64.2(b) for all applicable requirements that it is subject to, and the unit has a pre-control device potential to emit greater than or equal to the amount in tons per year required in a site classified as a major source. *If the response to Question XI.L.1 is "No," go to Section XI.M.*	☐ Yes ☒ No
♦	2.	The unit or units defined by XI.L.1 are using a control device to comply with an applicable requirement. *If the response to Question XI.L.2 is "No," go to Section XI.M.*	☐ Yes ☐ No
♦	3.	The permit holder has submitted a CAM proposal on Form OP-MON in a previous application.	☐ Yes ☐ No
♦	4.	The owner/operator or permit holder is submitting a CAM proposal on Form OP-MON according to the deadlines for submittals in 40 CFR § 64.5 in this application. *If the responses to Questions XI.L.3 and XI.L.4 are both "No," go to Section XI.M.*	☐ Yes ☐ No
	5.	The owner/operator or permit holder is submitting a CAM implementation plan and schedule to be incorporated as enforceable conditions in the permit.	☐ Yes ☐ No
	6.	Provide the unit identification numbers for the units for which the applicant is submitting a CAM implementation plan and schedule in the space below.	
♦	7.	At least one unit defined by XI.L.1 and XI.L.2 is using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2).	☐ Yes ☐ No
♦	8.	All units defined by XI.L.1 and XI.L.2 are using a CEMS, COMS or PEMS meeting the requirements of 40 CFR § 64.3(d)(2). *If the response to Question XI.L.8 is "Yes," go to Section XI.M.*	☐ Yes ☐ No

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

XI.	**Miscellaneous (continued)**		
	L.	**Compliance Assurance Monitoring (continued)**	
♦	9.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses particulate matter, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐ Yes ☐ No
♦	10.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐ Yes ☐ No
♦	11.	At least one of the CAM proposals as described by question XI.L.3 or XI.L.4 addresses a regulated pollutant other than particulate matter or VOC, and the emission unit has a capture system as defined in 40 CFR §64.1.	☐ Yes ☐ No
♦	12.	The control device in the CAM proposal as described by question XI.L.3 or XI.L.4 has a bypass.	☐ Yes ☐ No
	M.	**Title 30 TAC Chapter 113, Subchapter D, Division 5 - Emission Guidelines and Compliance Times**	
♦	1.	The application area includes at least one air curtain incinerator that commenced construction on or before December 9, 2004. *If the response to Question XI.M.1 is "No," or "N/A," go to Section XII.*	☐ Yes ☒ No ☐ N/A
♦	2.	All air curtain incinerators constructed on or before December 9, 2004 combust only wood waste, clean lumber, or yard waste or a mixture of these materials.	☐ Yes ☐ No
XII.	**New Source Review (NSR) Authorizations**		
	A.	**Waste Permits with Air Addendum**	
♦	1.	The application area includes a Municipal Solid Waste Permit or an Industrial Hazardous Waste with an Air Addendum. *If the response to XII.A.1 is "Yes," include the waste permit numbers and issuance date in Section XII.J.*	☐ Yes ☒ No

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

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

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

XII.	**New Source Review (NSR) Authorizations (continued)**		
	B.	**Air Quality Standard Permits (continued)**	
♦	11.	The application area includes at least one "Rock Crusher" Air Quality Standard Permit NSR authorization.	☐ Yes ☐ No
♦	12.	The application area includes at least one "Electric Generating Unit" Air Quality Standard Permit NSR authorization. *If the response to XII.B.12 is "No," go to Question XII.B.15.*	☐ Yes ☐ No
♦	13.	For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the East Texas Region.	☐ Yes ☐ No
♦	14.	For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the West Texas Region.	☐ Yes ☐ No
♦	15.	The application area includes at least one "Boiler" Air Quality Standard Permit NSR authorization.	☐ Yes ☐ No
♦	16.	The application area includes at least one "Sawmill" Air Quality Standard Permit NSR authorization.	☐ Yes ☐ No
	C.	**Flexible Permits**	
	1.	The application area includes at least one Flexible Permit NSR authorization.	☐ Yes ☒ No
	D.	**Multiple Plant Permits**	
	1.	The application area includes at least one Multi-Plant Permit NSR authorization.	☐ Yes ☒ No

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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):

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

Date	Permit No.	Regulated Entity No.
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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
17457	04/15/2013				

♦ **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
006	**05/05/1976**	**070**	**05/08/1972**	**106.511**	**09/04/2000**
006	**05/12/1981**	**072**	**05/08/1972**	**106.512**	**06/13/2001**
007	**11/05/1986**	**072**	**05/12/1981**		
009	**05/08/1972**	**082**	**12/01/1972**		
051	**11/05/1986**	**107**	**05/12/1981**		
053	**11/05/1986**	**106.263**	**11/01/2001**		
057	**05/05/1976**	**106.352**	**09/04/2000**		
057	**05/12/1981**	**106.352**	**02/27/2011**		
058	**05/08/1972**	**106.352**	**02/02/2012**		
058	**05/05/1976**	**106.352**	**11/22/2012**		
058	**05/12/1981**	**106.355**	**11/01/2001**		
059	**05/08/1972**	**106.359**	**09/10/2013**		
064	**05/08/1972**	**106.454**	**11/01/2001**		
066	**11/05/1986**	**106.492**	**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

7. TCEQ FORM OP-REQ2

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

Date	Permit No.	Regulated Entity No.
11/19/2024	**O-3184**	**RN100220078**

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
D	1	UNIT 185	OP-UA2	MACT ZZZZ	§ 63.6585(b) § 63.6675	As the compressor station pushes gas from the plant into a transmission pipeline, it does meet the definition for "Oil and gas production facility" and is not subject to MACT ZZZZ requirements.
D	2	UNIT 186	OP-UA2	MACT ZZZZ	§ 63.6585(b) § 63.6675	As the compressor station pushes gas from the plant into a transmission pipeline, it does meet the definition for "Oil and gas production facility" and is not subject to MACT ZZZZ requirements.

8. TCEQ FORM OP-PBRSUP

Texas Commission on Environmental Quality
Permit By Rule Supplemental Table (Page 1)

Table A: Registered Permits by Rule (30 TAC Chapter 106) for the Application Area

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	Registration Number	PBR No.	Registration Date
FL-1	99582	106.352	06/11/2024
FL-1	99582	106.492	06/11/2024
FL-2	99582	106.352	06/11/2024
FL-2	99582	106.492	06/11/2024
FL-3	99582	106.352	06/11/2024
FL-3	99582	106.492	06/11/2024
FUG-1	99582	106.352	06/11/2024
FUG-1	99582	106.352	06/11/2024
H-1	99582	106.352	06/11/2024
H-1 VENT	99582	106.352	06/11/2024
H-3	99582	106.352	06/11/2024
TL-1	99582	106.352	06/11/2024
TL-FUG	99582	106.352	06/11/2024

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date
AMNVENT	106.352	10/24/2012
BOI-1	106.352	10/24/2012
BOI-1	106.352	10/24/2012
BOI-1S	106.352	10/24/2012
BOI-1S	106.352	10/24/2012
DEHYBOI	106.352	10/24/2012
DEHYBOI	106.352	10/24/2012
DEHYBOIS	106.352	10/24/2012
DEHYBOIS	106.352	10/24/2012
DEHYVENT	106.352	10/24/2012
FLSHTNK	106.352	10/24/2012
FUG KKK	106.352	10/24/2012
FUG KKK	106.352	10/24/2012
FUGOOOOA	106.352	10/24/2012
GO-FLARE1	106.352	10/24/2012
GO-FLARE1	106.492	10/24/2012
LD-L	106.352	10/24/2012
LD-M	106.352	10/24/2012
T-107	106.352	10/24/2012
931 S	6	5/5/1976
932 S	6	5/5/1976
933 S	6	5/5/1976
924 S	6	5/12/1981
925 S	6	5/12/1981
926 S	6	5/12/1981
927 S	6	5/12/1981
928 S	6	5/12/1981
929 S	6	5/12/1981
CT-1	9	5/8/1972
EMERGEN	106.511	9/4/2000
FIREPUMP	106.511	9/4/2000
FUG	66	11/5/1986
H-1S	107	5/12/1981
H-3S	107	5/12/1981
H-5	7	11/5/1986
H-5S	7	11/5/1986
LD-A	72	5/8/1972

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date
LD-B	51	11/5/1986
LD-C	51	11/5/1986
LD-D	51	11/5/1986
LD-F	53	11/5/1986
LD-G	51	11/5/1986
LD-H	53	11/5/1986
LD-1	51	11/5/1986
LD-J	51	11/5/1986
LD-K	51	11/5/1986
OWSH-1	70	5/8/1972
PRO-AMINE	72	5/12/1981
PRO-FRAC1	72	5/5/1976
PRO-FRAC2	72	5/12/1981
PWSH-1	106.454	11/1/2001
STARTER	106.512	6/13/2001
TANK002	58	5/8/1972
TANK003	58	5/8/1972
TANK004	58	5/8/1972
TANK005	58	5/8/1972
TANK006	72	5/8/1972
TANK007	57	5/12/1981
TANK008	106.352	10/24/2012
TANK 009	57	5/5/1976
TANK 010	57	5/12/1981
TANK 012	106.352	10/24/2012
TANK 013	64	5/8/1972
TANK 015	57	5/12/1981
TANK 014	106.352	10/24/2012
TANK 016	57	5/12/1981
TANK 017	58	5/12/1981
TANK 018	58	5/5/1976
TANK 019	58	5/5/1976
TANK020	58	5/5/1976
TANK 021	59	5/8/1972
TANK022	58	5/5/1976
TANK023	58	5/12/1981
TANK024	59	5/8/1972

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date
TANK025	58	5/8/1972
TANK026	59	5/8/1972
TANK026	106.352	10/24/2012
TANK028	106.352	10/24/2012
TANK 029	106.352	10/24/2012
UNIT 184S	82	12/1/1972
UNIT 184	82	12/1/1972
UNIT 185	106.512	6/13/2001
UNIT 185S	106.512	6/13/2001
UNIT 186	106.512	6/13/2001
UNIT 186S	106.512	6/13/2001
UNIT 924	6	5/12/1981
UNIT 925	6	5/12/1981
UNIT 926	6	5/12/1981
UNIT 927	6	5/12/1981
UNIT 928	6	5/12/1981
UNIT 929	6	5/12/1981
UNIT 931	6	5/5/1976
UNIT 932	6	5/5/1976
UNIT 933	6	5/5/1976
FUG-C3 Dryer	106.352	10/24/2012
TK-1	106.352	10/24/2012
TL-1	106.352	10/24/2012
RB-STEAM	106.352	10/24/2012

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

Date	Permit Number	Regulated Entity Number
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PBR No.	Version No./Date

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
AMNVENT	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
BOI-1	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
BOI-1	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
BOI-1S	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
BOI-1S	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
931 S	6	5/5/1976	Record annual fuel consumption.
932 S	6	5/5/1976	Record annual fuel consumption.
933 S	6	5/5/1976	Record annual fuel consumption.
924 S	6	5/12/1981	Record annual fuel consumption.
925 S	6	5/12/1981	Record annual fuel consumption.
926 S	6	5/12/1981	Record annual fuel consumption.
927 S	6	5/12/1981	Record annual fuel consumption.
928 S	6	5/12/1981	Record annual fuel consumption.
929 S	6	5/12/1981	Record annual fuel consumption.
CT-1	9	5/8/1972	Record annual fuel consumption.
DEHYBOI	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
DEHYBOI	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
DEHYBOIS	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
DEHYBOIS	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
DEHYVENT	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
EMERGEN	106.511	9/4/2000	Record operating hours of the emergency engine whenever it is used to demonstrate that the maximum annual operating hours do not exceed 10% of the normal annual operating schedule of the primary equipment.
FIREPUMP	106.511	9/4/2000	Record operating hours of the emergency engine whenever it is used to demonstrate that the maximum annual operating hours do not exceed 10% of the normal annual operating schedule of the primary equipment.
FL-1	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FL-1	106.492	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FL-2	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FL-2	106.492	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FL-3	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FL-3	106.492	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FLSHTNK	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
FUG KKK	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
FUG KKK	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
FUGOOOOA	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
FUG-1	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FUG-1	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
FUG	66	11/5/1986	Use underlying emission calculation methods to determine actual emissions.

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
GO-FLARE1	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
GO-FLARE1	106.492	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
H-1	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
H-1S	107	5/12/1981	Record annual fuel consumption.
H-3	106.352	4/15/1900	Use underlying emission calculation methods to determine actual emissions.
H-3S	107	5/12/1981	Record annual fuel consumption.
H-5	7	11/5/1986	Record annual fuel consumption.
H-5S	7	11/5/1986	Record annual fuel consumption.
LD-A	72	5/8/1972	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-B	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-C	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-D	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-F	53	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-G	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-H	53	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-1	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-J	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-K	51	11/5/1986	Record annual throughput, material loaded, and use underlying emission calculation methods to determine actual emissions
LD-L	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
LD-M	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
OWSH-1	70	5/8/1972	Use underlying emission calculation methods to determine actual emissions.
PRO-AMINE	72	5/12/1981	Use underlying emission calculation methods to determine actual emissions.
PRO-FRAC1	72	5/5/1976	Use underlying emission calculation methods to determine actual emissions.
PRO-FRAC2	72	5/12/1981	Use underlying emission calculation methods to determine actual emissions.
PWSH-1	106.454	11/1/2001	Use underlying emission calculation methods to determine actual emissions.
STARTER	106.512	6/13/2001	Record annual fuel consumption.
T-107	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK002	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions

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

Date	Permit Number	Regulated Entity Number
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Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
TANK003	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK004	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK005	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK006	72	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK007	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK008	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK 009	57	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 010	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 012	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK 013	64	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 014	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK 015	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 016	57	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 017	58	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 018	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 019	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK020	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK 021	59	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK022	58	5/5/1976	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK023	58	5/12/1981	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK024	59	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions

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

Date	Permit Number	Regulated Entity Number
11/19/2024	O-3184	RN100220078

Unit ID	PBR No.	Version No./Date or Registration No.	Monitoring Requirement
TANK025	58	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK026	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK026	59	5/8/1972	Record annual throughput and use underlying emission calculation methods to determine actual emissions
TANK028	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TANK 029	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TL-1	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
TL-FUG	106.352	6/11/2024	Use underlying emission calculation methods to determine actual emissions.
UNIT 184S	82	12/1/1972	Record annual fuel consumption.
UNIT 184	82	12/1/1972	Record annual fuel consumption.
UNIT 185	106.512	6/13/2001	Record annual fuel consumption.
UNIT 185S	106.512	6/13/2001	Record annual fuel consumption.
UNIT 186	106.512	6/13/2001	Record annual fuel consumption.
UNIT 186S	106.512	6/13/2001	Record annual fuel consumption.
UNIT 924	6	5/12/1981	Record annual fuel consumption.
UNIT 925	6	5/12/1981	Record annual fuel consumption.
UNIT 926	6	5/12/1981	Record annual fuel consumption.
UNIT 927	6	5/12/1981	Record annual fuel consumption.
UNIT 928	6	5/12/1981	Record annual fuel consumption.
UNIT 929	6	5/12/1981	Record annual fuel consumption.
UNIT 931	6	5/5/1976	Record annual fuel consumption.
UNIT 932	6	5/5/1976	Record annual fuel consumption.
UNIT 933	6	5/5/1976	Record annual fuel consumption.
FUG-C3	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TK-1	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
TL-1	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.
RB-STEAM	106.352	10/24/2012	Use underlying emission calculation methods to determine actual emissions.

9. TCEQ FORM OP-UA2

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 4)
Federal Operating Permit Program
Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	HAP Source	Brake HP	Construction/ Reconstruction Date	Nonindustrial Emergency Engine	Service Type	Stationary RICE Type
Unit 928	63ZZZZ.01	MA.IOR	500+	02-		NORMAL	2SLB
Unit 929	63ZZZZ-01	MAJOR	500+	02-		NORMAL	25LB
Unit 931	63ZZZZ-01	MAJOR	500+	02-		NORMAL	2SLB
Unit 932	63ZZZZ-01	MAJOR	500+	02-		NORMAL	2SLB
Unit 933	63ZZZZ-01	MAJOR	500+	02-		NORMAL	2SLB
EMERGEN	63ZZZZ-03	MAJOR	100-250	06+		EMER-A	
FIREPUMP	63ZZZZ-03	MAJOR	100-250	06+		EMER.A	

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 5)
Federal Operating Permit Program
Table 2b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Operating Hours	Different Schedule	Emission Limitation	Displacement
Unit 928	63Z2ZZ-01					
Unit 929	63ZZZZ-01					
Unit 931	63ZZZZ-01					
Unit 932	632ZZZ-01					
Unit 933	63ZZZZ-01					
EMERGEN	63ZZZZ-03					
FIREPUMP	63ZZZZ-03					

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 6)
Federal Operating Permit Program
Table 2c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary 32BReciprocating Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Crankcase	Performance Test	Control Technique	Operating Limits	Monitoring System
Unit 928	63Z2ZZ-01					
Unit 929	63ZZZZ-01					
Unit 931	63ZZZZ-01					
Unit 932	632ZZZ-01					
Unit 933	63ZZZZ-01					
EMERGEN	63ZZZZ-03					
FIREPUMP	63ZZZZ-03					

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 8)
Federal Operating Permit Program
Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Construction/ Reconstruction/ Modification Date	Test Cell	Exemption	Temp Replacement	Horsepower	Fuel	AEL No.	Lean Burn	Commencing
Unit 928	60JJJJ-01	NO								
Unit 929	60JJJJ-01	NO								
Unit 931	60JJJJ-01	NO								
Unit 932	60JJJJ-01	NO								
Unit 933	60JJJJ-01	NO								
UNIT-185	60JJJJ-02	YES	NO	NONE	NO	1350+	NATGAS			CON
UNIT-186	60JJJJ-02	YES	NO	NONE	NO	1350+	NATGAS			CON
EMERGEN	60JJJJ-03	YES	NO	NONE	NO	100-130E	NATGAS		NO	CON
FIREPUMP	60JJJJ-04	YES	NO	NONE	NO	100-130E	NATGAS		NO	CON

Stationary Reciprocating Internal Combustion Engine Attributes
Form OP-UA2 (Page 9)
Federal Operating Permit Program
Table 4b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart JJJJ: Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Manufacture Date	Displacement	Certified	Operation	Certified Modification	Service	Severe Duty	Optional Compliance
Unit 928	60JJJJ-01								
Unit 929	60JJJJ-01								
Unit 931	60JJJJ-01								
Unit 932	60JJJJ-01								
Unit 933	60JJJJ-01								
UNIT-185	60JJJJ-02	N07-0610-		NO			NON		
UNIT-186	60JJJJ-02	N07-0610-		NO			NON		
EMERGEN	60JJJJ-03	N0109+E		NO			EMERG		
FIREPUMP	60JJJJ-04	N0109-E							

10. TCEQ FORM OP-UA3

Storage Tank/Vessel Attributes
Form OP-UA3 (Page 1)
Federal Operating Permit Program
Table 1: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart K: Standards of Performance for Storage Vessels for Petroleum Liquids
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Construction/ Modification Date	Storage Capacity	Product Stored	True Vapor Pressure	Storage Vessel Description	Reid Vapor Pressure	Maximum TVP	Estimated TVP	Control Device ID No.
GRPTKI	60K-01	73-								
GRPTK2	60K-02									
GRPTK3	60K-02									
GRPTK4	60K-02									
FLSHTNK	60K-05	73-								
T-107	60K-02									

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
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

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.
GRPTKI	60Ka-01									
GRPTK2	60Ka-02	OTHER2								
GRPTK3	60Ka-03	PTLQ-2	40K-							
GRPTK4	60Ka-01									
FLSHTNK	60Ka-01									
T-107	60Ka-01									

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

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Product Stored	Storage Capacity	WW Tank Control	Maximum TVP	Storage Vessel Description	AMEL ID No.	Guidepole	Reid Vapor Pressure	Control Device ID No.
GRPTKI	60Kb-01									
GRPTK2	60Kb-01									
GRPTK3	60Kb-01									
GRPTK4	60Kb-01	VOL	10K-20K							
FLSHTNK	60Kb-01									
T-107	60Kb-01	PTCD-BF3	420K-							

11. TCEQ FORM OP-UA6

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 1)
Federal Operating Permit Program
Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart D: Standards of Performance for Fossil Fuel-Fired Steam Generators
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Construction/ Modification Date	Covered Under Subpart Da or KKKK	Changes to Existing Affected Facility	Heat Input Rate	Alternate 42C	PM CEMS	Opacity Monitoring	Gas/Liquid Fuel	Fuels with 0.33 % or Less Sulfur	Specific Site
DEHYBOI	60D-01	78+	NO	NO	250-						
BOI-1	60D-01	78+	NO	NO	250-						
H-1	60D-01	78+	NO	NO	250-						
H-3	60D-01	78+	NO	NO	250-						
H-5	60D-01	78+	NO	NO	250-						

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 6)
Federal Operating Permit Program
Table 3a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Db: Standards of Performance for Industrial-Commercial Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Construction/Modification Date	Heat Input Capacity	Subpart Da	Changes to Existing Affected Facility	Subpart Ea, Eb, or AAAA	Subpart KKKK	Subpart Cb or BBBB
DEHYBOI	60D-01	05+CR	100-					
BOI-1	60D-02	84-						
H-1	60D-02	84-						
H-3	60D-02	84-						
H-5	60D-02	84-						

Boiler/Steam Generator/Steam Generating Unit Attributes
Form OP-UA6 (Page 11)
Federal Operating Permit Program
Table 4a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart Dc: Standards of Performance for Industrial-Commercial Steam Generating Units
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Construction/ Modification Date	Maximum Design Heat Input Capacity	Applicability	Heat Input Capacity	D-Series Fuel Type	D-Series Fuel Type	D-Series Fuel Type	ACF Option SO_2	ACF Option PM	30% Coal Duct Burner
DEHYBOI	60D-01	05+	10-								
BOI-1	60D-02	89-									
H-1	60D-02	89-									
H-3	60D-02	89-									
H-5	60D-02	89-									

12. TCEQ FORM OP-UA7

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 1)
Federal Operating Permit Program
Table 1: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Control of Air Pollution from Visible Emissions and Particulate Matter

Date	Permit No.:	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No	Acid Gases Only	Emergency/Upset Conditions Only	Alternate Opacity Limitation (AOL)	AOL ID No.	Construction Date
FL-1	R1111-01	NO	YES			
FL-2	R1111-01	NO	NO			
FL-3	R1111-02	NO	NO	NO		72+
GO-FLARE1	R1111-02	NO	NO	NO		72+

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 3)
Federal Operating Permit Program
Table 3: Title 40 Code of Federal Regulations Part 60 and 61 (40 CFR Part 60 and 40 CFR Part 61)
Subpart A: General Provisions of Standards of Performance for New Stationary Sources and National Emission Standards for Hazardous Air Pollutants

Date	Permit No.:	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Subject to 40 CFR §60.18	Adhering to Heat Content Specifications	Flare Assist Type	Flare Exit Velocity	Heating Value of Gas
FL-1	60A-01	YES	YES	NONE	60-	
FL-2	60A-01	YES	YES	NONE	60-	
FL-3	60A-01	NO				
GO-FLARE1	60A-01	YES	YES	NONE	60-	

Texas Commission on Environmental Quality
Flare Attributes
Form OP-UA7 (Page 4)
Federal Operating Permit Program
Table 4: Title 40 Code of Federal Regulations Part 63
Subpart A: General Provisions of National Emission Standards for Hazardous Air Pollutants for Source Categories

Date	Permit No.:	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Required Under 40 CFR Part 63	Heat Content Specification	Flare Assist Type	Flare Exit Velocity	Heating Value of Gas
FL-1	63A-01	NO				
FL-2	63A-01	NO				
FL-3	63A-01	NO				
GO-FLARE1	63A-02	YES	YES	AIR		

13. TCEQ FORM OP-UA10

Gas Sweetening/Sulfur Recovery Unit Attributes
Form OP-UA10 (Page 1)
Federal Operating Permit Program
Table 1: Title 30 Texas Administrative Code Chapter 112 (30 TAC Chapter 112)
Control of Air Pollution from Sulfur Compounds
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Process ID No.	SOP/GOP Index No.	Sulfur Recovery Plant	Stack Height	Emission Point ID No.
PRO-AMINE	R112-01	NO		
AMNVENT	R112-01	NO		

14. TCEQ FORM OP-UA11

Stationary Turbine Attributes
Form OP-UA11 (Page 1)
Federal Operating Permit Program
Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GG: Stationary Gas Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Peak Load Heat Input	Construction/ Modification Date	Turbine Cycle	Subpart GG Service Type	Federal Register	Manufacturer's Rated Base Load
Unit 924	60GG-01	10-100	77-82	SIMPLE	OTHER		
Unit 925	60GG-01	10-100	77-82	SIMPLE	OTHER		
Unit 926	60GG-01	10-100	77-82	SIMPLE	OTHER		
Unit 927	60GG-01	10-100	77-82	SIMPLE	OTHER		
Unit 930	60GG-02	10-100	82-04	SIMPLE	OTHER		
Unit 184	60GG-03	10-100	77-				

Stationary Turbine Attributes
Form OP-UA11 (Page 2)
Federal Operating Permit Program
Table 1b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GG: Stationary Gas Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	NO_x Control Method	NO_x Monitoring Method	Alternative Monitoring ID No.	Regulated Under Part 75	Turbine Combustion Process	CEMS Performance Evaluation
Unit 924	60GG-01						
Unit 925	60GG-01						
Unit 926	60GG-01						
Unit 927	60GG-01						
Unit 930	60GG-02	NONE	NONE				
Unit 184	60GG-03						

Stationary Turbine Attributes
Form OP-UA11 (Page 3)
Federal Operating Permit Program
Table 1c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart GG: Stationary Gas Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Duct Burner	NO_x Allowance	Sulfur Content	Fuel Type Fired	Fuel Supply	Fuel Monitoring Schedule	Custom Fuel Monitoring ID No.
Unit 924	60GG-01		NO	YES	NG	NONE	331U	
Unit 925	60GG-01		NO	YES	NG	NONE	331U	
Unit 926	60GG-01		NO	YES	NG	NONE	331U	
Unit 927	60GG-01		NO	YES	NG	NONE	331U	
Unit 930	60GG-02		NO	YES	NG	NONE	331U	
Unit 184	60GG-03		NO	YES	NG	NONE	331U	

Stationary Turbine Attributes
Form OP-UA11 (Page 11)
Federal Operating Permit Program
Table 5: Title 40 Code of Federal Regulations, Part 63 (40 CFR, Part 63)
Subpart YYYY: National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Construction/ Reconstruction Date	Rated Peak Power Output	Type of Service	Fuel Fired	Turbine Combustion Process	Oxidation Catalyst	Alternate Limitations	Previous Performance Test	Distillate Oil Fired
Unit 924	63YYYY-01	03-								
Unit 925	63YYYY-01	03-								
Unit 926	63YYYY-01	03-								
Unit 927	63YYYY-01	03-								
Unit 930	63YYYY-01	03-								
Unit 184	63YYYY-01	03-								

Stationary Turbine Attributes
Form OP-UA11 (Page 12)
Federal Operating Permit Program
Table 6a: Title 40 Code of Federal Regulations (40 CFR Part 60)
Subpart KKKK: Stationary Combustion Turbines
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Unit Type	Construction/Modification Date	Heat Input	Subject to Da	Service Type	NO_x Standard	Fuel Type
Unit 924	60KKKK-01	SIMPLE	2005-					
Unit 925	60KKKK-01	SIMPLE	2005-					
Unit 926	60KKKK-01	SIMPLE	2005-					
Unit 927	60KKKK-01	SIMPLE	2005-					
Unit 930	60KKKK-01	SIMPLE	2005-					
Unit 184	60KKKK-01	SIMPLE	2005-					

15. TCEQ FORM OP-UA12

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 1)
Federal Operating Permit Program
Table 1a: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Facility Type	Construction/ Modification Date	Facility Covered by 40 CFR Part 60, Subparts VV or GGG	Title 40 CFR Part 60, Subpart KKK Fugitives Unit Components				
					Compressors	Reciprocating Compressor in Wet Gas Service	AMEL	AMEL ID No.	Complying with § 60.482-3
FUG	60KKK-01	GROUP	84-						
FUG-1	60KKK-02	OTHER							
FUG-KKK	60KKK-03	GROUP	84-11	NO	NO	NO			NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 2)
Federal Operating Permit Program
Table 1b: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)					
		Any Component		Pumps			
		Vacuum Service	Non-VOC or Non-Wet Gas Service	Light Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-2
FUG	60KKK-01						
FUG-1	60KKK-02						
FUG-KKK	60KKK-03	NO	NO	YES	NO		YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 3)
Federal Operating Permit Program
Table 1c: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit No.	SOP Index No.	Title 30 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)							
		Pumps (continued)					Pressure Relief Device		
		Heavy Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-8	Gas/Vapor Service	AMEL	AMEL ID No.	Complying with § 60.482-4
FUG	60KKK-01								
FUG-1	60KKK-02								
FUG-KKK	60KKK-03	NO			NO	NO			NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 4)
Federal Operating Permit Program
Table 1d: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

		Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)							
					Pressure Relief Devices (continued)				
Unit ID No.	SOP Index No.	Light Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-8	Heavy Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-8
FUG	60KKK-01								
FUG-1	60KKK-02								
FUG-KKK	60KKK-03	YES	NO		YES	NO			NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 5)
Federal Operating Permit Program
Table 1e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

		Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)							
Unit ID No.	SOP Index No.	Open-ended Valves or Lines	AMEL	AMEL ID No.	Complying with § 60.482-6	Flanges and Other Connectors	AMEL	AMEL ID No.	Complying with § 60.482-8
FUG	60KKK-01								
FUG-1	60KKK-02								
FUG-KKK	60KKK-03	NO			NO	YES	NO		YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 6)
Federal Operating Permit Program
Table 1f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)								
		Valves								
		2% Valves Leaking	Gas/Vapor Service	AMEL	AMEL ID No.	Complying with § 60.482-7	Light Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-7
FUG	60KKK-01									
FUG-1	60KKK-02									
FUG-KKK	60KKK-03	NO	YES	NO		YES	YES	NO		YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 7)
Federal Operating Permit Program
Table 1g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

		Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)								
		Valves (continued)					Closed Vent Systems and		Control Devices	
Unit ID No.	SOP Index No	Heavy Liquid Service	AMEL	AMEL ID No.	Complying with § 60.482-8	Control Devices used to comply with AMEL	AMEL ID No.	Flare	Control Device ID No.	Complying with §60.482-10
FUG	60KKK-01									
FUG-1	60KKK-02									
FUG-KKK	60KKK-03	NO			NO	NO				NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 8)
Federal Operating Permit Program
Table 1h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Closed Vent Systems and Control Fugitive Devices Unit Components (continued)					
		Vapor Recovery System	Control Device ID No.	Complying with § 60.482-10	Enclosed Combustion Device	Control Device ID No.	Complying with § 60.482-10
FUG	60KKK-01						
FUG-1	60KKK-02						
FUG-KKK	60KKK-03	NO		NO	NO		NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 9)
Federal Operating Permit Program
Table 1i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Fugitive Unit Components (continued)		
		Control Device(s) and Closed Vent Systems (continued)		
		Closed-Vent Systems	Complying with § 60.482-10	Control Device ID No.
FUG	60KKK-01			
FUG-1	60KKK-02			
FUG-KKK	60KKK-03	NO	NO	

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 10)
Federal Operating Permit Program
Table 1j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart KKK: Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Title 40 CFR Part 60, Subpart KKK Fugitive Unit Description
FUG	60KKK-01	Facilities constructed before January 20, 1984
FUG-1	60KKK-02	Facilities are not considered a natural gas processing plant,
FUG-KKK	60KKK-03	Plant fugitives applicable to Subpart KKK.

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 98)
Federal Operating Permit Program
Table 13a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart HH: National Emission Standard for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP/GOP Index No.	AMEL	AMEL ID No.	Subject to Another Regulation	VHAP Weight Percent	< 300 Operating Hours	Vacuum Service	Sampling Connection Systems
FUG-1	63HH-01	NO		NONE	10-	NO		

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 173)
Federal Operating Permit Program
Table 19e: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Construction/Modification Date	Fugitive Component	AMEL	Subject to Another Regulation
FUG OOOOA	60OOOOa	15+	EQNGPP		NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 174)
Federal Operating Permit Program
Table 19f: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components					
			Pumps				
		Any Vacuum Service	Light Liquid Service	Design Capacity < 10MM	AMEL	AMEL ID No.	Complying with 60.482-2a
FUG OOOOA	60OOOOa	NO	YES	NO	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 175)
Federal Operating Permit Program
Table 19g: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components			
		Pressure Relief Devices			
		Gas/Vapor Service	Design Capacity < 10MM	AMEL	Complying with 60.482-4a
FUG OOOOA	60OOOOa	YES	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 176)
Federal Operating Permit Program
Table 19h: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID No.	SOP/GOP Index No.	Title 40 CFR Part60, Subpart OOOOa Fugitive Unit Components (continued)			
		Valves			
		Open-Ended	AMEL	AMEL ID No.	Complying with 60.482-6a
FUG OOOOA	60OOOOa	YES	NO	NO	YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 177)
Federal Operating Permit Program
Table 19i: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Title 40CFR Part 60, Subpart OOOOa Fugitives Unit Components (continued)					
		Valves					
		Gas/Vapor or Light Liquid Service	Design Capacity < 10MM	2.0%	AMEL	AMEL ID No.	Complying with 60.482-7a
FUG OOOOA	60OOOOa	YES	NO	NO	NO	NO	YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 178)
Federal Operating Permit Program
Table 19j: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)							
		Pumps				Valves			
		Heavy Liquid Service	AMEL	AMEL ID No.	Complying with 60.482-8a	Heavy Liquid Service	AMEL	AMEL ID No.	Complying with 60.482-8a
FUG OOOOA	60OOOOa	NO	NO	NO	NO	NO	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 179)
Federal Operating Permit Program
Table 19k: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)							
		Pressure Relief Devices				Connectors			
		Heavy or Light Liquid Service	AMEL	AMEL ID No.	Complying with 60.482-8a	Heavy Liquid Service	AMEL	AMEL ID No.	Complying with 60.482-8a
FUG OOOOA	60OOOOa	YES	NO	NO	NO	NO	NO	NO	YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 180)
Federal Operating Permit Program
Table 19l: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

		Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)				
		Closed-Vent Systems and Control Devices (continued)				
Unit ID. No.	SOP/GOP Index No.	Vapor Recovery System	AMEL	AMEL ID No.	Complying with 60.482-10a	Control Device ID No.
FUG OOOOA	60OOOOa	NO	NO	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 181)
Federal Operating Permit Program
Table 19m: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

		Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)				
		Closed-Vent Systems and Control Devices (continued)				
Unit ID. No.	SOP/GOP Index No.	Enclosed Combustion Device	AMEL	AMEL ID No.	Complying with 60.482-10a	Control Device ID No.
FUG OOOOA	60OOOOa	NO	NO	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 182)
Federal Operating Permit Program
Table 19n: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

		Title 40 CFR Part	60, Subpart OOOOa	Fugitive Unit	Components	(continued)
		Control Devices				
Unit ID. No.	SOP/GOP Index No.	Flare	AMEL	AMEL ID No.	Complying with 60.482-10a	Control Device ID No.
FUG OOOOA	60OOOOa	NO	NO	NO	NO	NO

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 183)
Federal Operating Permit Program
Table 19o: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

		Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued)								
		Control Devices				Connectors				
Unit ID. No.	SOP/GOP Index No	CVS	AMEL	AMEL ID No.	Complying with 60.482-10a	Gas/Vapor or Light Liquid Service	Design Capacity < 10MM	AMEL	AMEL ID No.	Complying with 60.482-11a
FUG OOOOA	60OOOOa	NO	NO	NO	NO	YES	NO	NO	NO	YES

Fugitive Emission Unit Attributes
Form OP-UA12 (Page 184)
Federal Operating Permit Program
Table 19p: Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60)
Subpart OOOOa: Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	3184	RN100220078

Unit ID. No.	SOP/GOP Index No.	Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Components (continued) Title 40 CFR Part 60, Subpart OOOOa Fugitive Unit Description
FUG OOOOA	60OOOOa	Fugitive components added after September 18, 2015.

16. TCEQ FORM OP-UA13

Texas Commission on Environmental Quality
Cooling Tower Attributes
Form OP-UA13 (Page 1)
Federal Operating Permit Program
Table 1: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart Q: National Emission Standards for Hazardous Air Pollutants (HAPs) for Industrial Process Cooling Towers

Date	Permit No.:	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Unit ID No.	SOP Index No.	Used Compounds Containing Chromium on or After September 8, 1994	Initial Start-up Date
CT-1	63Q-01	NO	

17. TCEQ FORM OP-UA15

Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes
Form OP-UA15 (Page 1)
Federal Operating Permit Program
Table 1a: Title 30 Texas Administrative Code Chapter 111 (30 TAC Chapter 111)
Subchapter A: Visible Emissions
Texas Commission on Environmental Quality

Date	Permit No.	Regulated Entity No.
11/19/2024	O-3184	RN100220078

Emission Point ID No.	SOP/GOP Index No.	Alternate Opacity Limitation	AOL ID No.	Vent Source	Opacity Monitoring System	Construction Date	Effluent Flow Rate
GRP111A	R1111-01	NO		OTHER	NONE	72-	100-
GRP111B	R1111-02	NO		OTHER	NONE	72+	100-

18. TCEQ FORM OP-UA62

Texas Commission on Environmental Quality
Glycol Dehydration Unit Attributes
Form OP-UA62 (Page 1)
Federal Operating Permit Program

Table 1a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subchapter HH: National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities

Date:	**11/19/2024**
Permit No.:	**O-3184**
Regulated Entity No.:	**RN100220078**

GOP Questions highlighted.

Emission Point ID No.	SOP/GOP Index No.	Alternate Means of Emission Limitation (AMEL)	AMEL ID No.	HAP Source	Affected Source Type	Area Source Exemption	Existing Unit
DEHYVENT	63HH-01	NO		MAJOR	SMALL		YES

Texas Commission on Environmental Quality
Glycol Dehydration Unit Attributes
Form OP-UA62 (Page 2)
Federal Operating Permit Program

Table 1b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subchapter HH: National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities

Date:	**11/19/2024**
Permit No.:	**O-3184**
Regulated Entity No.:	**RN100220078**

Emission Point ID No.	SOP/GOP Index No.	Process Vent Control	Bypass Device	Flow Indicator	Sealed Closed Vent System	Unsafe to Inspect	Difficult to Inspect
DEHYVENT	63HH-01	BTEX	NO		YES	YES	YES

Texas Commission on Environmental Quality
Glycol Dehydration Unit Attributes
Form OP-UA62 (Page 3)
Federal Operating Permit Program
Table 1c: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subchapter HH: National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities

Date:	**11/19/2024**
Permit No.:	**O-3184**
Regulated Entity No.:	**RN100220078**

Emission Point ID No.	SOP/GOP Index No.	Control Device Type	Control Device ID No.	Control Device Operation	Performance Test/ Design Analysis Exemption	Performance Test or Design Analysis
DEHYVENT	63HH-01	FLARE	FL-3			

Steven Piper

From: eNotice TCEQ
Sent: Tuesday, November 19, 2024 4:03 PM
To: Lois.Kolkhorst@senate.texas.gov; Geanie.morrison@house.texas.gov
Subject: TCEQ Notice - Permit Number O3184
Attachments: TCEQ Notice - O3184_37417.pdf

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

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

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

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 19, 2024

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

Re: Accepted Federal Operating Permit Renewal Application
Project Number: 37417
Permit Number: O3184
Enterprise Hydrocarbons L.P.
Armstrong Gas Plant
Yoakum, Dewitt County
Regulated Entity Number: RN100220078
Customer Reference Number: CN602718553

Dear Senator Kolkhorst:

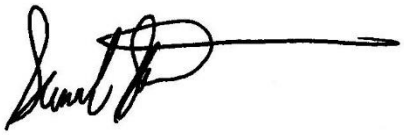
This letter notifies you that the Texas Commission on Environmental Quality has received a federal operating permit (FOP) renewal application for a site located in your district. As part of this permitting process, the applicant is required to publish a formal newspaper public notice. The notice will inform the public of their right to make comments or request a public hearing. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.038888,29.133888&level=13.

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

Re: Accepted Federal Operating Permit Renewal Application

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

Sincerely,



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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 19, 2024

THE HONORABLE GEANIE W MORRISON
TEXAS HOUSE OF REPRESENTATIVES
PO BOX 2910
AUSTIN TX 78768-2910

Re: Accepted Federal Operating Permit Renewal Application
Project Number: 37417
Permit Number: O3184
Enterprise Hydrocarbons L.P.
Armstrong Gas Plant
Yoakum, Dewitt County
Regulated Entity Number: RN100220078
Customer Reference Number: CN602718553

Dear Representative Morrison:

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

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

Sincerely,

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