FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Oxy USA WTP LP

AUTHORIZING THE OPERATION OF
Salt Creek Gas Plant
Natural Gas Extraction

LOCATED AT
Kent County, Texas
Latitude 33° 14′ 0″ Longitude 100° 52′ 9″
Regulated Entity Number: RN101222602

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: O550 Issuance Date: _____

_____
For the Commission

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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 HH or ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113,

Subchapter C, §§ 113.390 or 113.1090 which incorporates the 40 CFR Part 63 Subparts 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. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)

(iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), 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:

(1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of air emission sources or enclosed facilities 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 air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet 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.

(4) 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)(7) and (a)(7)(A).

(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)(7)(B) 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. 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)

New Source Review Authorization Requirements

7. 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 (including the terms, conditions, monitoring, recordkeeping, and reporting identified in registered PBRs and permits by rule identified in the PBR Supplemental Tables dated February 18, 2025 in the application for project 37702), 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

8. 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.

9. 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

10. 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.

11. 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)

Risk Management Plan

12. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

Protection of Stratospheric Ozone

13. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:

A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

Permit Location

14. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

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

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-0001	40 CFR Part 63, Subpart HH	No changing attributes.
EMWATER	SRIC ENGINES	N/A	60IIII-01	40 CFR Part 60, Subpart IIII	No changing attributes.
EMWATER	SRIC ENGINES	N/A	63ZZZZ-ENG0016	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FLARE3	FLARES	N/A	111-FLARE0004	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FLARE3	FLARES	N/A	60A-FLARE0007	40 CFR Part 60, Subpart A	No changing attributes.
GRP-FUG	FUGITIVE EMISSION UNITS	CO2FUG, NGLFUG, VRUFUG	60KKK-ALL	40 CFR Part 60, Subpart KKK	No changing attributes.
HPTEGDEHY	GLYCOL DEHYDRATION	N/A	63HH-0001	40 CFR Part 63, Subpart HH	No changing attributes.
HTR-26	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-00008	40 CFR Part 60, Subpart Dc	No changing attributes.
LPTEGDEHY	GLYCOL DEHYDRATION	N/A	63HH-0001	40 CFR Part 63, Subpart HH	No changing attributes.
WEST FLR	FLARES	N/A	111-FLARE0004	30 TAC Chapter 111, Visible Emissions	No changing attributes.
WEST FLR	FLARES	N/A	60A-FLARE0007	40 CFR Part 60, Subpart A	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-0001	112(B) HAPS	40 CFR Part 63, Subpart HH	§ 63.764(e)(1)(ii) § 63.764(a) § 63.764(e)(1) § 63.764(j) § 63.775(c)(8)	The owner or operator of an area source is exempt from the requirements of §63.764(d) when the actual average emissions of benzene from the glycol dehydration unit process vent to the atmosphere < 0.90 megagram/yr, as determined by the procedures specified in §63.772(b)(2) of this subpart.	[G]§ 63.772(b)(2)	§ 63.774(d)(1) § 63.774(d)(1)(ii)	None
EMWATER	EU	60IIII-01	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as listed in Table 4 to this subpart.	None	None	[G]§ 60.4214(d)
EMWATER	EU	60IIII-01	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with a PM	None	None	[G]§ 60.4214(d)

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)
						emission limit of 0.20 g/KW-hr, as listed in Table 4 to this subpart.			
EMWATER	EU	63ZZZZ-ENG0016	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
FLARE3	EU	111-FLARE0004	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, except for upset emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
FLARE3	CD	60A-FLARE0007	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
GRP-FUG	EU	60KKK-ALL	VOC	40 CFR Part 60, Subpart KKK	§ 60.633(f)	Reciprocating compressors in wet gas service are exempt from the	None	§ 60.486(j) § 60.635(c)	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)
						compressor control requirements of §60.482-3.			
GRP-FUG	EU	60KKK-ALL	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 pressure relief devices in heavy 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) § 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)
GRP-FUG	EU	60KKK-ALL	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(f)	The owner/operator shall demonstrate that equipment is not in VOC service or not in wet gas service in accordance with §60.632(f).	§ 60.632(f)	§ 60.632(f)	None
GRP-FUG	EU	60KKK-ALL	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(d) § 60.486(k)	Equipment in vacuum service to comply with §60.482-1(a), (b), and (d) and §60.482-2 to §60.482-10, except as provided in §60.633 or §60.482-1(d).	None	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-FUG	EU	60KKK-ALL	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(m) § 60.486(k) § 60.633(g)	Comply with the requirements for closed vent systems and control devices - flares - as stated in §60.482-10(d) and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-10(e) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) [G]§ 60.485(g) § 60.632(d)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-FUG	EU	60KKK-ALL	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a)	Comply with the requirements for closed	§ 60.482-10(e) § 60.485(a)	[G]§ 60.486(a) [G]§ 60.486(d)	§ 60.487(a) [G]§ 60.487(b)

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)
					§ 60.482-1(b) § 60.482-10(b) § 60.482-10(m) § 60.486(k)	vent systems and control devices - vapor recovery systems - as stated in §60.482-10(b) and §60.482-1(a), (b) and (d), except as provided in §60.633.	[G]§ 60.485(b) [G]§ 60.485(c) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	§ 60.486(e) § 60.486(e)(1) § 60.486(j)	[G]§ 60.487(c) § 60.487(e)
GRP-FUG	EU	60KKK-ALL	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-10(f) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(i) [G]§ 60.482-10(j) [G]§ 60.482-10(k) § 60.482-10(m) § 60.486(k)	Comply with the requirements for closed vent systems and control devices – closed vent systems - as stated in §60.482-10(g) and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f) § 60.632(d)	[G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-FUG	EU	60KKK-ALL	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-2(a)(2) § 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) § 60.482-9(b)	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.	§ 60.482-2(a)(1) [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)

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]§ 60.482-9(d) § 60.482-9(f) § 60.486(k)				
GRP-FUG	EU	60KKK-ALL	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-3(a) [G]§ 60.482-3(b) § 60.482-3(c) § 60.482-3(d) § 60.482-3(e)(1) § 60.482-3(e)(2) § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) § 60.482-3(h) [G]§ 60.482-3(i) § 60.482-3(j) § 60.482-9(a) § 60.482-9(b) § 60.486(k)	Comply with the requirements for compressors as stated in §60.482-3 and §60.482-1(a), (b) and (d), except as provided in §60.633.	§ 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(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRP-FUG	EU	60KKK-ALL	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) § 60.482-4(c) § 60.482-4(d)(1) § 60.482-4(d)(2) § 60.482-9(a) § 60.482-9(b) § 60.486(k) [G]§ 60.633(b)(3)	Comply with the requirements for pressure relief devices in gas/vapor service as stated in §60.482-4 and 60.482-1(a), (b) and (d), except as provided in §60.633.	§ 60.482-4(b)(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) § 60.633(b)(1) § 60.633(b)(2) [G]§ 60.633(b)(3) [G]§ 60.633(b)(4)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 60.633(b)(1) [G]§ 60.633(b)(4) [G]§ 60.635(b)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.636(a) § 60.636(b) [G]§ 60.636(c)
GRP-FUG	EU	60KKK-ALL	VOC	40 CFR Part 60, Subpart KKK	§ 60.632(a) § 60.482-1(a) § 60.482-1(b) § 60.482-6(a)(1) § 60.482-6(a)(2)	Comply with the requirements for open-ended valves or lines as stated in §60.482-6 and §60.482-1(a), (b) and (d),	§ 60.485(a) [G]§ 60.485(b) § 60.485(d)(2) § 60.485(d)(3) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(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)
					§ 60.482-6(b) § 60.482-6(c) § 60.482-6(d) § 60.482-6(e) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	except as provided in §60.633.	§ 60.632(d)		
GRP-FUG	EU	60KKK-ALL	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)
GRP-FUG	EU	60KKK-ALL	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) [G]§ 60.482-9(d)	Comply with the requirements for pumps in heavy 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) § 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)

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(f) § 60.486(k)				
GRP-FUG	EU	60KKK-ALL	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) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the requirements for valves in heavy 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) § 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)
GRP-FUG	EU	60KKK-ALL	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 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)
GRP-FUG	EU	60KKK-ALL	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 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)

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)				
GRP-FUG	EU	60KKK-ALL	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)
HPTEGDEHY	EU	63HH-0001	112(B) HAPS	40 CFR Part 63, Subpart HH	§ 63.764(e)(1)(ii) § 63.764(a) § 63.764(e)(1) § 63.764(j) § 63.775(c)(8)	The owner or operator of an area source is exempt from the requirements of §63.764(d) when the actual average emissions of benzene from the glycol dehydration unit process vent to the atmosphere < 0.90 megagram/yr, as determined by the procedures specified in §63.772(b)(2) of this subpart.	[G]§ 63.772(b)(2)	§ 63.774(d)(1) § 63.774(d)(1)(ii)	None
HTR-26	EU	60Dc-00008	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)

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)
						megawatts (MW).			
HTR-26	EU	60Dc-00008	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
HTR-26	EU	60Dc-00008	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
LPTEGDEHY	EU	63HH-0001	112(B) HAPS	40 CFR Part 63, Subpart HH	§ 63.764(e)(1)(ii) § 63.764(a) § 63.764(e)(1) § 63.764(j) § 63.775(c)(8)	The owner or operator of an area source is exempt from the requirements of §63.764(d) when the actual average emissions of benzene from the glycol dehydration unit process vent to the atmosphere < 0.90 megagram/yr, as determined by the procedures specified in §63.772(b)(2) of this subpart.	[G]§ 63.772(b)(2)	§ 63.774(d)(1) § 63.774(d)(1)(ii)	None
WEST FLR	EU	111-FLARE0004	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, except for upset emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
WEST FLR	CD	60A-	Opacity	40 CFR Part 60,	§ 60.18(b)	Flares shall comply with	§ 60.18(d)	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)
		FLARE0007		Subpart A	§ 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)	paragraphs (c)-(f) of § 60.18.	§ 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)		

Permit Shield

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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
AMINEUNIT	N/A	40 CFR Part 60, Subpart LLL	Acid gas is reinjected into oil-or-gas-bearing geologic strata or is otherwise not released to the atmosphere.
GRP-ENG1	ENG-1, ENG-2, ENG-21, ENG-22, ENG-23, ENG-3	40 CFR Part 60, Subpart JJJJ	Construction, reconstruction, or modification of these engines commenced prior to June 12, 2006.
GRP-ENG1	ENG-1, ENG-2, ENG-21, ENG-22, ENG-23, ENG-3	40 CFR Part 63, Subpart ZZZZ	Construction, reconstruction, or modification of these 2SLB engines commenced prior to December 19, 2002. They each have a site rating of more than 500 hp.
HTR-26	N/A	30 TAC Chapter 112, Sulfur Compounds	Liquid fuel is not fired.
HTR-26	N/A	40 CFR Part 60, Subpart D	Heater is rated less than 250 MMBtu/hr.
HTR-26	N/A	40 CFR Part 60, Subpart Da	The heater is not an electric utility steam generating unit.
HTR-26	N/A	40 CFR Part 60, Subpart Db	Since the unit is subject to NSPS Dc, it was not constructed before 1984; Has a heat input capacity of less than 29 megawatts (MW) (100 MMBtu/hr).
HTR-26	N/A	40 CFR Part 63, Subpart DDDDD	The site is a production field facility and is an area source of HAPs under 40 CFR Part 63, Subpart DDDDD as defined by 40 CFR § 63.7575.
HTR-26	N/A	40 CFR Part 63, Subpart JJJJJJ	The heater is located at a major source of HAP, as defined by 40 CFR § 63.2, and fires only natural gas.
HTR-6	N/A	30 TAC Chapter 112, Sulfur Compounds	Liquid fuel is not fired.

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
HTR-6	N/A	40 CFR Part 60, Subpart D	Heater is rated less than 250 MMBtu/hr.
HTR-6	N/A	40 CFR Part 60, Subpart Da	The heater is not an electric utility steam generating unit.
HTR-6	N/A	40 CFR Part 60, Subpart Db	Construction, reconstruction, or modification of heater commenced prior to June 19, 1984; Has a heat input capacity of less than 29 megawatts (MW) (100 MMBtu/hr).
HTR-6	N/A	40 CFR Part 60, Subpart Dc	Construction, reconstruction, or modification of heater commenced prior to June 9, 1989.
HTR-6	N/A	40 CFR Part 63, Subpart DDDDD	The site is a production field facility and is an area source of HAPs under 40 CFR Part 63, Subpart DDDDD as defined by 40 CFR § 63.7575.
HTR-6	N/A	40 CFR Part 63, Subpart JJJJJJ	The heater is located at a major source of HAP, as defined by 40 CFR § 63.2, and fires only natural gas.
STACK11	N/A	30 TAC Chapter 112, Sulfur Compounds	Liquid fuel is not fired.
STACK11	N/A	40 CFR Part 60, Subpart D	Heater is rated less than 250 MMBtu/hr.
STACK11	N/A	40 CFR Part 60, Subpart Da	The heater is not an electric utility steam generating unit.
STACK11	N/A	40 CFR Part 60, Subpart Db	Construction, reconstruction, or modification of heater commenced prior to June 19, 1984; Has a heat input capacity of less than 29 megawatts (MW) (100 MMBtu/hr).
STACK11	N/A	40 CFR Part 60, Subpart Dc	The heater has a maximum design heat input capacity of less than 2.9 MW (10 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
STACK11	N/A	40 CFR Part 63, Subpart DDDDD	The site is a production field facility and is an area source of HAPs under 40 CFR Part 63, Subpart DDDDD as defined by 40 CFR § 63.7575.
STACK11	N/A	40 CFR Part 63, Subpart JJJJJJ	The heater is located at a major source of HAP, as defined by 40 CFR § 63.2, and fires only natural gas.
STACK30	N/A	30 TAC Chapter 112, Sulfur Compounds	Liquid fuel is not fired.
STACK30	N/A	40 CFR Part 60, Subpart D	Heater is rated less than 250 MMBtu/hr.
STACK30	N/A	40 CFR Part 60, Subpart Da	The heater is not an electric utility steam generating unit.
STACK30	N/A	40 CFR Part 60, Subpart Db	Construction, reconstruction, or modification of heater commenced prior to June 19, 1984; Has a heat input capacity of less than 29 megawatts (MW) (100 MMBtu/hr).
STACK30	N/A	40 CFR Part 60, Subpart Dc	Construction, reconstruction, or modification of heater commenced prior to June 9, 1989.
STACK30	N/A	40 CFR Part 63, Subpart DDDDD	The site is a production field facility and is an area source of HAPs under 40 CFR Part 63, Subpart DDDDD as defined by 40 CFR § 63.7575.
STACK30	N/A	40 CFR Part 63, Subpart JJJJJJ	The heater is located at a major source of HAP, as defined by 40 CFR § 63.2, and fires only natural gas.

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.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX795M2	Issuance Date: 09/21/2023
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.: 20660	Issuance Date: 09/21/2023
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.352	Version No./Date: 09/04/2000
Number: 106.359	Version No./Date: 09/10/2013
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.476	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 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**
AMINEUNIT	AMINE UNIT	20660, PSDTX795M2
CO2FUG	FUGITIVES	20660, PSDTX795M2, 106.352/09/04/2000 [79531]
DEHYVENT	EG GLYCOL DEHYDRATION UNIT	20660, PSDTX795M2
EMWATER	FIRE PUMP ENGINE	106.511/09/04/2000
ENG-1	2400-HP COOPER-BESSEMER GMVH-12	20660, PSDTX795M2
ENG-2	2000-HP CLARK TLAB-6	20660, PSDTX795M2
ENG-21	2700-HP COOPER-BESSEMER GMVH-12C2	20660, PSDTX795M2
ENG-22	2700-HP COOPER-BESSEMER GMVH-12C2	20660, PSDTX795M2
ENG-23	2700-HP COOPER-BESSEMER GMVH-12C2	20660, PSDTX795M2
ENG-3	2000-HP CLARK TLAB-6	20660, PSDTX795M2
FLARE3	NORTH FLARE	20660, PSDTX795M2
HPTEGDEHY	HIGH PRESSURE TEG GLYCOL DEHYDRATION UNIT	20660, PSDTX795M2
HTR-26	NEW HOT OIL HEATER	20660, PSDTX795M2
HTR-6	OLD HOT OIL HEATER	20660, PSDTX795M2
LPTEGDEHY	LOW PRESSURE TEG GLYCOL DEHYDRATION UNIT	20660, PSDTX795M2
NGLFUG	FUGITIVES	20660, PSDTX795M2
STACK11	LP GLYCOL REBOILER	20660, PSDTX795M2
STACK30	HP GLYCOL REBOILER	20660, PSDTX795M2
VRUFUG	VRU FUGITIVES	20660, PSDTX795M2
WEST FLR	WEST FLARE	20660, PSDTX795M2

**This column may include Permit by Rule (PBR) numbers and version dates, PBR Registration numbers in brackets, Standard Permit Registration numbers, Minor NSR permit numbers, and Major NSR permit numbers.

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

Appendix B

Major NSR Summary Table

Permit Number 20660 and PSDTX795M2					Issuance Date: September 21, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
1	Cooper-Bessemer Engine Model GMVH-12 2,400-hp	NO_X	10.57	46.31	8, 9, 10, 13, 14, 16, 17	9, 13, 14, 15, 16, 17, 18, 19	13, 16, 17
		CO	10.57	46.31			
		VOC	2.52	11.04			
		SO_2	0.01	0.06			
		PM	1.01	4.44			
		PM_{10}	1.01	4.44			
		$PM_{2.5}$	1.01	4.44			
2	Clark Engine Model TLAB-6 2,000-hp	NO_X	70.55	309.00	10, 13, 14, 16, 17	13, 14, 15, 16, 17, 18, 19	13, 16, 17
		CO	7.50	32.83			
		VOC	2.12	9.28			
		SO_2	0.01	0.05			
		PM	0.85	3.73			
		PM_{10}	0.85	3.73			
		$PM_{2.5}$	0.85	3.73			

Major NSR Summary Table

Permit Number 20660 and PSDTX795M2					Issuance Date: September 21, 2023		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
3	Clark Engine Model TLAB-6 2,000-hp	NO_X	70.55	309.00	10, 13, 14, 16, 17	13, 14, 15, 16, 17, 18, 19	13, 16, 17
		CO	7.50	32.83			
		VOC	2.12	9.28			
		SO_2	0.01	0.05			
		PM	0.85	3.73			
		PM_{10}	0.85	3.73			
		$PM_{2.5}$	0.85	3.73			
6	Hot Oil Heater 17 MMBtu/hr	NO_X	1.68	7.36	8, 9, 10	9	
		CO	1.41	6.18			
		VOC	0.09	0.40			
		SO_2	0.01	0.04			
		PM	0.13	0.56			
		PM_{10}	0.13	0.56			
		$PM_{2.5}$	0.13	0.56			

Major NSR Summary Table

Permit Number 20660 and PSDTX795M2					Issuance Date: September 21, 2023		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
11	Glycol Reboiler 9.3 MMBtu/hr	NO_X	0.91	4.00	4, 8, 9, 10	4, 9	4
		CO	0.77	3.36			
		VOC	0.05	0.22			
		SO_2	<0.01	0.02			
		PM	0.07	0.30			
		PM_{10}	0.07	0.30			
		$PM_{2.5}$	0.07	0.30			
14	Glycol Still Vent	VOC	6.00	20.00	4	4	4
		Benzene	0.25	0.70			
21	Cooper-Bessemer Engine Model GMVH-12C2 2,700-hp	NO_X	11.89	52.10	8, 9, 10, 13, 14, 15, 16, 17	9, 13, 14, 15, 16, 17, 18, 19	13, 16, 17
		CO	11.89	52.10			
		VOC	2.40	10.51			
		SO_2	0.01	0.04			
		PM	0.97	4.23			

Major NSR Summary Table

Permit Number 20660 and PSDTX795M2					Issuance Date: September 21, 2023		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		PM_{10}	0.97	4.23			
		$PM_{2.5}$	0.97	4.23			
22	Cooper-Bessemer Engine Model GMVH-12C2 2,700-hp	NO_X	11.89	52.10	8, 9, 10, 13, 14, 16, 17	9, 13, 14, 15, 16, 17, 18, 19	13, 16, 17
		CO	11.89	52.10			
		VOC	2.40	10.51			
		SO_2	0.01	0.04			
		PM	0.97	4.23			
		PM_{10}	0.97	4.23			
		$PM_{2.5}$	0.97	4.23			
23	Cooper-Bessemer Engine Model GMVH-12C2 2,700-hp	NO_X	11.89	52.10	8, 9, 10,13, 14, 16, 17	9, 13, 14, 15, 16, 17, 18, 19	13, 16, 17
		CO	11.89	52.10			
		VOC	2.40	10.51			
		SO_2	0.01	0.04			
		PM	0.97	4.23			

Major NSR Summary Table

Permit Number 20660 and PSDTX795M2					Issuance Date: September 21, 2023		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		PM_{10}	0.97	4.23			
		$PM_{2.5}$	0.97	4.23			
26	Hot Oil Heater 39 MMBtu/hr	NO_X	2.34	10.25	8, 9, 10	9	
		CO	3.21	14.07			
		VOC	0.21	0.92			
		SO_2	0.02	0.1			
		PM	0.29	1.27			
		PM_{10}	0.29	1.27			
		$PM_{2.5}$	0.29	1.27			
FLARE3	North Flare – Pilot and Process Gas North Flare - Gas Flaring	NO_X	4.37	--	6, 11, 12	6, 11, 12, 16, 19	11
		CO	37.20	--			
		VOC	42.82	--			
		SO_2	50.48	--			
		H_2S	0.55	--			

Major NSR Summary Table

Permit Number 20660 and PSDTX795M2					Issuance Date: September 21, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		NO_X	92.82	--			
		CO	369.60	--			
		VOC	255.70	--			
		SO_2	402.43	--			
		H_2S	4.00	--			
29	West Flare – Pilot and Process Gas West Flare Plant - Gas Flaring	NO_X	4.37	--	6, 11, 12	6, 11, 12, 16, 19	11
		CO	37.20	--			
		VOC	42.82	--			
		SO_2	50.48	--			
		H_2S	0.55	--			
		NO_X (6)	36.08	--			
		NO_X (7)	56.29	--			
		CO	482.63	--			
		VOC	297.24	--			

Major NSR Summary Table

Permit Number 20660 and PSDTX795M2					Issuance Date: September 21, 2023		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Special Condition/Application Information**	**Special Condition/Application Information**	**Special Condition/Application Information**
		SO_2	658.74	--			
		H_2S	7.01				
FLARE3 and 29	North and West Flares Combined Annual Limits – Pilot and Process Gas North and West Flares - Gas Flaring Combined Annual Limits	NO_X	--	15.85	6, 11, 12	6, 11, 12, 16, 19	11
		CO	--	135.80			
		VOC	--	156.31			
		SO_2	--	184.24			
		H_2S	--	2.00			
		NO_X	--	29.40			
		CO	--	117.01			
		VOC	--	81.00			
		SO_2	--	127.39			
		H_2S	--	1.27			
30	TP Glycol Reboiler 15 MMBtu/hr	NO_X	1.48	6.47			
		CO	1.24	5.44			

Major NSR Summary Table

Permit Number 20660 and PSDTX795M2					Issuance Date: September 21, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		VOC	0.08	0.36	8, 9	9	
		SO_2	0.01	0.04			
		PM	0.11	0.49			
		PM_{10}	0.11	0.49			
		$PM_{2.5}$	0.11	0.49			
NGLFUG	Fugitives (5)	VOC	9.08	39.76	3, 5, 10, 12, 15	3, 5, 10, 12, 15, 16, 19	3, 5, 10
		H_2S	0.04	0.20			
CO2FUG	Fugitives (5)	VOC	9.33	41.07	3, 5, 10, 12, 15	3, 5, 10, 12, 15, 16, 19	3, 5, 10
		H_2S	0.02	0.09			
VRUFUG	VRU Fugitives (5)	VOC	0.05	0.22	3, 5, 10, 12, 15	3, 4, 5, 10, 12, 15, 16, 19	3, 5, 10
		H_2S	0.01	0.02			

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented

PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
H_2S - hydrogen sulfide
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Hourly limit when EPN FLARE3 and EPN 29 are simultaneously conducting gas flaring.
(7) Hourly limit when EPN FLARE3 and EPN 29 are not simultaneously conducting gas flaring.

Texas Commission on Environmental Quality
Air Quality Permit

A Permit Is Hereby Issued To
OXY USA WTP LP
Authorizing the Construction and Operation of
Salt Creek Gas Plant
Located at **Clairemont, Kent County, Texas**
Latitude 33.233333 Longitude -100.869166

Permit: 20660 and PSDTX795M2

Amendment Date: September 21, 2023

Expiration Date: September 7, 2027

For the Commission

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code (TAC) Section 116.116 (30 TAC § 116.116)] [1]
2. **Voiding of Permit**. A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1)the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of $5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC § 116.120]
3. **Construction Progress**. Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC § 116.115(b)(2)(A)]
4. **Start-up Notification**. The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC § 116.115(b)(2)(B)]
5. **Sampling Requirements**. If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC § 116.115(b)(2)(C)]
6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC § 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and

operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction in a timely manner; comply with any additional recordkeeping requirements specified in special conditions in the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC § 116.115(b)(2)(E)]

1. **Maximum Allowable Emission Rates**. The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC § 116.115(b)(2)(F)] [1]
2. **Maintenance of Emission Control**. The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification in accordance with 30 TAC §101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC§ 116.115(b)(2)(G)]
3. **Compliance with Rules**. Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC § 116.115(b)(2)(H)]
4. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
5. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.115(c)]
6. **Emissions** from this facility must not cause or contribute to "air pollution" as defined in Texas Health and Safety Code (THSC) §382.003(3) or violate THSC § 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
7. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit. [1]

[1] Please be advised that the requirements of this provision of the general conditions may not be applicable to greenhouse gas emissions.

Common Acronyms in Air Permits

°C = Temperature in degrees Celsius
°F = Temperature in degrees Fahrenheit
°K = Temperature in degrees Kelvin
µg = microgram
µg/m^3 = microgram per cubic meter
acfm = actual cubic feet per minute
AMOC = alternate means of control
AOS = alternative operating scenario
AP-42 = Air Pollutant Emission Factors, 5th edition
APD = Air Permits Division
API = American Petroleum Institute
APWL = air pollutant watch list
BPA = Beaumont/ Port Arthur
BACT = best available control technology
BAE = baseline actual emissions
bbl = barrel
bbl/day = barrel per day
bhp = brake horsepower
BMP = best management practices
Btu = British thermal unit
Btu/scf = British thermal unit per standard cubic foot or feet
CAA = Clean Air Act
CAM = compliance-assurance monitoring
CEMS = continuous emissions monitoring systems
cfm = cubic feet (per) minute
CFR = Code of Federal Regulations
CN = customer ID number
CNG = compressed natural gas
CO = carbon monoxide
COMS = continuous opacity monitoring system
CPMS = continuous parametric monitoring system
DFW = Dallas/ Fort Worth (Metroplex)
DE = destruction efficiency
DRE = destruction and removal efficiency
dscf = dry standard cubic foot or feet
dscfm = dry standard cubic foot or feet per minute
ED = (TCEQ) Executive Director
EF = emissions factor
EFR = external floating roof tank
EGU = electric generating unit
EI = Emissions Inventory
ELP = El Paso
EPA = (United States) Environmental Protection Agency
EPN = emission point number
ESL = effects screening level
ESP = electrostatic precipitator
FCAA = Federal Clean Air Act
FCCU = fluid catalytic cracking unit
FID = flame ionization detector
FIN = facility identification number
ft = foot or feet
ft/sec = foot or feet per second
g = gram
gal/wk = gallon per week
gal/yr = gallon per year
GLC = ground level concentration
GLC_{max} = maximum (predicted) ground-level concentration
gpm = gallon per minute
gr/1000scf = grain per 1000 standard cubic feet
gr/dscf = grain per dry standard cubic feet
H_2CO = formaldehyde
H_2S = hydrogen sulfide
H_2SO_4 = sulfuric acid
HAP = hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
HC = hydrocarbons
HCl = hydrochloric acid, hydrogen chloride
Hg = mercury
HGB = Houston/Galveston/Brazoria
hp = horsepower
hr = hour
IFR = internal floating roof tank
in H_2O = inches of water
in Hg = inches of mercury
IR = infrared
ISC3 = Industrial Source Complex, a dispersion model
ISCST3 = Industrial Source Complex Short-Term, a dispersion model
K = Kelvin; extension of the degree Celsius scaled-down to absolute zero
LACT = lease automatic custody transfer
LAER = lowest achievable emission rate
lb = pound
lb/day = pound per day
lb/hr = pound per hour
lb/MMBtu = pound per million British thermal units
LDAR = Leak Detection and Repair (Requirements)
LNG = liquefied natural gas
LPG = liquefied petroleum gas
LT/D = long ton per day
m = meter
m^3 = cubic meter
m/sec = meters per second
MACT = maximum achievable control technology
MAERT = Maximum Allowable Emission Rate Table
MERA = Modeling and Effects Review Applicability
mg = milligram
mg/g = milligram per gram
mL = milliliter
MMBtu = million British thermal units
MMBtu/hr = million British thermal units per hour
MSDS = material safety data sheet
MSS = maintenance, startup, and shutdown
MW = megawatt
NAAQS = National Ambient Air Quality Standards
NESHAP = National Emission Standards for Hazardous Air Pollutants
NGL = natural gas liquids
NNSR = nonattainment new source review
NO_x = total oxides of nitrogen
NSPS = New Source Performance Standards
PAL = plant-wide applicability limit
PBR = Permit(s) by Rule
PCP = pollution control project

PEMS = predictive emission monitoring system
PID = photo ionization detector
PM = periodic monitoring
PM = total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
$PM_{2.5}$ = particulate matter equal to or less than 2.5 microns in diameter
PM_{10} = total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
POC = products of combustion
ppb = parts per billion
ppm = parts per million
ppmv = parts per million (by) volume
psia = pounds (per) square inch, absolute
psig = pounds (per) square inch, gage
PTE = potential to emit
RA = relative accuracy
RATA = relative accuracy test audit
RM = reference method
RVP = Reid vapor pressure
scf = standard cubic foot or feet
scfm = standard cubic foot or feet (per) minute
SCR = selective catalytic reduction
SIL = significant impact levels
SNCR = selective non-catalytic reduction
SO_2 = sulfur dioxide
SOCMI = synthetic organic chemical manufacturing industry
SRU = sulfur recovery unit
TAC = Texas Administrative Code
TCAA = Texas Clean Air Act
TCEQ = Texas Commission on Environmental Quality
TD = Toxicology Division
TLV = threshold limit value
TMDL = total maximum daily load
tpd = tons per day
tpy = tons per year
TVP = true vapor pressure
VOC = volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
VRU = vapor recovery unit or system

Special Conditions

Permit Numbers 20660 and PSDTX795M2

1. This permit covers only those sources of emissions listed in the attached table entitled Emission Sources - Maximum Allowable Emission Rates and those sources are authorized to emit subject to the emission rates limits and other operating conditions specified in this permit.

2. Non-fugitive emissions from relief valves, safety valves, or rupture discs of gases containing volatile organic compounds (VOC) at a concentration of greater than 1 percent are not authorized by this permit unless authorized on the MAERT. Any releases directly to atmosphere from relief valves, safety valves, or rupture discs of gases containing VOC at a concentration greater than 1 weight percent are not consistent with good practice for minimizing emissions.

Federal Applicability

3. This facility shall comply with all requirements of the U.S. Environmental Protection Agency (EPA) regulations on Standards of Performance for New Stationary Sources promulgated in Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60):

   A. Subpart A, General Provisions.

   B. Subpart KKK, Standards of Performance for New Stationary Sources promulgated for Equipment Leaks of Volatile Organic Compounds (VOC) from Onshore Natural Gas Processing Plants.

4. These facilities shall comply with all applicable requirements of the EPA regulations on National Emission Standards for Hazardous Air Pollutants for Source Categories in 40 CFR Part 63:

   A. Subpart A, General Provisions.

   B. Subpart HH, National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities.

5. If any condition of this permit is more stringent than the applicable regulations in Special Condition Nos. 3 and 4, then for the purposes of complying with this permit, the permit shall govern and be the standard by which compliance shall be demonstrated.

Emission Standards and Operational Specifications

6. Flares shall be designed and operated in accordance with the following requirements:

   A. The flare systems shall be designed such that the combined assist natural gas and waste stream to each flare meets the 40 CFR §60.18 specifications of minimum heating value and maximum tip velocity at all times when emissions may be vented to them.

      The heating value and velocity requirements shall be satisfied during operations authorized by this permit. Flare testing per 40 CFR §60.18(f) may be requested by the appropriate regional office to demonstrate compliance with these requirements.

   B. The flare shall be operated with a flame present at all times and/or have a constant pilot flame. The pilot flame shall be continuously monitored by a thermocouple or an infrared monitor or ultraviolet monitor. The time, date, and duration of any loss of pilot flame shall be

recorded. Each monitoring device shall be accurate to, and shall be inspected at a frequency in accordance with, the manufacturer's specifications. **(09/23)**

C. The flare shall be operated with no visible emissions except periods not to exceed a total of five minutes during any two consecutive hours.

D. This permit authorizes that the two flares (EPNs FLARE3 and 29) may be used during plant shutdowns, maintenance, startup, and shutdown (MSS) activities, or when plant or field gas is diverted to the plant flares due to equipment downtime. **(09/23)**

E. The permit holder shall continuously calculate the flow of streams sent to the flares identified as EPNs 29 and FLARE3 using the flow monitors as summarized in the following tables: **(09/23)**

Flare EPN 29 Flow Determination

Stream Name	**Flow Monitor Tag ID**	**Calculated Flare Inlet Flow Volumes**
HP Inlet to Flare	FI34536TF	Using flow monitor
LP Membrane	FI3599	Using flow monitor
HP Membrane	FI4597	Using flow monitor
Acid Gas to Flare	FI1788B	Using flow monitor
3rd Stage to Flare / 4th Stage to Flare	Calculated using multiple flow monitors	PIC3547A3 or PIC3547A4 or PIC35521 opens to Flare. 3rd and 4th Stage Flow = FT2435B (Total Flow to Flare) - FI34536TF - FI3599 - FI4597 - FI1788B

Flare EPN FLARE3 Flow Determination

Stream Name	**Flow Monitor Tag ID**	**Calculated Flare Inlet Flow Volumes**
CTB Inlet	Calculated using multiple flow monitors	PIC34010B opens to Flare. If PIC34010B is only flare point open, then use FI240224TF (24" header inlet to flare) and FI240212TF (12" header cold plant to flare). If multiple flare points are open, then CTB Inlet to Flare = decrease in CTB Discharge = FI34008 [before flaring] - FI34008 [after

		flaring].
HOSS Inlet to Flare	FI34003TF	Using flow monitor
LP Inlet to Flare	FI3401ATF, FI3401BTF	Using flow monitors
Cold Plant to Flare	Calculated using multiple flow monitors	PIC13009 or ZI13012 opens to Flare. If these are the only flare points open, then use FI240224TF (24" header inlet to flare) and FI240212TF (12" header cold plant to flare). If multiple flare points are open, then Cold Plant to Flare Flow = FI240224TF + FI240212TF - FI34003TF - FI3401ATF - FI3401BTF - FI1738B - CTB Inlet to Flare Volume (= FI34008 [before flaring] - FI34008 [after flaring])
Amine Flash Gas to Flare	FI1738B	Using flow monitor

Flow readings and calculated flare volumes shall be taken at least once every 15 minutes and the average hourly values of the flow shall be recorded each hour. The flow monitors shall operate as required by this section at least 95% of the time when the flare is operational, averaged over a rolling 12 month period.

The monitors shall be calibrated or have a calibration check performed on an annual basis to meet the following accuracy specifications: the flow monitor shall be ±5.0%.

The flared streams shall be monitored or determined and include hydrocarbon species through C6+ and H_2S as specified in the following table:

Flare Stream Name	**Periodic Analysis Sample Point**	**Minimum Analysis Frequency**
High Pressure Inlet Gas Flaring	High Pressure Inlet Gas	Monthly
LP Membrane	Low Pressure Permeate	Quarterly
HP Membrane	High Pressure Permeate	Quarterly
Acid Gas Flaring	Acid Gas	Quarterly
3rd Stage Gas Flaring	Salt Creek Gas Plant CO_2 to field	Monthly
4th Stage Gas Flaring	Salt Creek Gas Plant CO_2 to field	Monthly
CTB Inlet Gas Flaring	Central Tank Battery Discharge	Quarterly
HOSS Inlet Gas Flaring	Non-Contaminated Low Pressure Inlet	Monthly
Low Pressure Inlet Gas Flaring	Low Pressure Inlet Gas	Monthly
Cold Plant Flaring	Cold Plant Inlet	Quarterly
Amine Flash Gas Flaring	Amine Flash Gas	Monthly
Assist Gas	Fuel Gas	Every six (6) months per Special

		Condition No. 10

The composition data sampled according to preceding table shall be used to calculate heating values of the flared streams for the purposes of evaluating compliance with this condition.

Flared gas net heating value and actual exit velocity determined in accordance with 40 CFR §§60.18(f)(3) and 60.18(f)(4) shall be recorded at least once every hour.

Hourly mass emission rates shall be determined and recorded using the above flow and composition readings and the emission factors used in the permit amendment application, PI-1 form dated November 22, 2022 and subsequent application updates associated with TCEQ Project No. 350203.

7. Fuel for all combustion devices including (but not limited to) reciprocating engines, heaters, and flare pilot lights for this permitted facility is limited to pipeline-quality, sweet natural gas containing no more than 5 grains total sulfur per 100 dry standard cubic feet. The use of any other fuel will require a modification to this permit.

8. Opacity of emissions from each of the engines authorized by this permit must not exceed 5 percent averaged over a six-minute period. Emissions from the engines and heater identified below shall conform to the following criteria:

   A. Each Cooper-Bessemer GMVH-12C2 Engine, Emission Point Nos. (EPNs) 1, 21, 22 and 23, at 100 percent speed and 100 percent load (torque) shall meet the following emission limits of nitrogen oxide (NO_x), carbon monoxide (CO), and VOC in grams per horsepower hour (g/hp-hr) or pounds per million British thermal units (lb/MMBtu):

Hourly Average	Annual Average
3.0 g/hp-hr of NO_x	2.0 g/hp-hr of NO_x
3.0 g/hp-hr of CO	2.0 g/hp-hr of CO
0.12 lb/MMBtu of VOC	0.12 lb/MMBtu of VOC

   B. Hot Oil Heater, EPN 6, at maximum fuel use of 17 MMBtu/hr - 100 pound NO_x/MMScf of fuel combusted.

   Hot Oil Heater, EPN 26, at maximum fuel use of 39 MMBtu/hr - 0.06 pound NO_x/MMBtu of fuel combusted.

   Glycol Reboiler, EPN 11, at maximum fuel use of 9.3 MMBtu/hr - 100 pound NO_x/MMScf of fuel combusted.

   HP TEG Firebox, EPN 30, at maximum fuel use of 15 MMBtu/hr - 100 pound NO_x/MMScf of fuel combusted.

Source Name, EPN	Maximum Fuel Use
Hot Oil Heater, EPN 6	17 MMBtu/hr - 100 pound NO_x/MMScf of fuel combusted
Hot Oil Heater, EPN 26	39 MMBtu/hr - 0.06 pound NO_x/MMBtu of fuel combusted
Glycol Reboiler, EPN 11	9.3 MMBtu/hr - 100 pound NO_x/MMScf of fuel combusted

HP TEG Firebox, EPN 30	15 MMBtu/hr - 100 pound NO_x/MMScf of fuel combusted

9. Observations for visible emissions from engines and heaters identified in Special Condition No. 8 shall be performed and recorded monthly while each facility is in operation. The visible emission determination must be made in accordance with 40 CFR Part 60, Appendix A, Test Method 22. The observation period when conducting Method 22 shall extend for at least one minute during normal operations. Contributions from uncombined water shall not be included in determining compliance with this condition. If visible emissions are observed, then the permit holder must conduct a six minute test of opacity in accordance with 40 CFR Part 60 Appendix A, Test Method 9. The Method 9 test must begin within one hour of any observation of visible emissions.

10. The fuel gas shall be sampled every 6 months to determine the total sulfur and net heating value. Test results from the fuel supplier may be used to satisfy this requirement. **(09/23)**

11. The following requirements apply to capture systems for the plant flare system. **(09/23)**

    A. Either conduct a once a month visual, audible, and/or olfactory inspection of the capture system to verify there are no leaking components in the capture system; or verify the capture system is leak-free by inspecting in accordance with 40 CFR Part 60, Appendix A, Test Method 21 once a year. Leaks shall be indicated by an instrument reading greater than or equal to 500 ppmv above background.

    B. The control device shall not have a bypass.

       Or

       If there is a bypass for the control device, comply with either of the following requirements:

       (1) Install a flow indicator that records and verifies zero flow at least once every fifteen minutes immediately downstream of each valve that if opened would allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere; or

       (2) Once a month, inspect the valves, verifying that the position of the valves and the condition of the car seals that prevent flow out the bypass.

       A bypass does not include authorized analyzer vents, highpoint bleeder vents, low point drains, or rupture discs upstream of pressure relief valves if the pressure between the disc and relief valve is monitored and recorded at least weekly. A deviation shall be reported if the monitoring or inspections indicate bypass of the control device when it is required to be in service per this permit.

    C. The date and results of each inspection performed shall be recorded. If the results of any inspection are not satisfactory, the deficiencies shall be recorded and the permit holder shall promptly take necessary corrective action, recording each action with the date completed.

GAS FLARING CONTINUOUS COMPLIANCE

12. This permit authorizes emissions from the flares identified as EPNs 29 and FLARE3 for the following flaring activities represented in the permit amendment application, PI-1 form dated November 22, 2022 and subsequent application updates associated with TCEQ Project No. 350203, and are limited to the emission limits in the MAERT. **(09/23)**

If the flare hourly mass emission rate for any pollutant calculated in accordance with Special Condition No. 6.F has unauthorized emissions that exceed any applicable MAERT hourly emission rate limit, then the flares identified as EPNs 29 and FLARE3 shall additionally be limited to hourly flare inlet flow rate limits specified in the table below. These hourly flow rate limits shall no longer apply following 72 consecutive hours in which flow is directed to the flares and the hourly MAERT emission rate limits are not exceeded. If a subsequent exceedance of the MAERT hourly emission rate limit occurs for any pollutant from the flares, then the hourly flow limit and 72-hour requirement shall once again apply as specified above in this paragraph.

Flares EPNs 29 and FLARE3 Inlet Flow Rate Limits Following Hourly MAERT Exceedance

Flaring Case	Waste Gas Feed Rate Limit	Assist Gas Feed Rate Limit
	(scf/hr)[a]	(scf/hr)[a]
Waste Gas	2,500,000 (3,900,000)[b]	175,000 (273,000)[b]

[a] The scf/hr flare volumetric feed rates are based on standard conditions of 60°F and 1 atmosphere.
[b] When EPN 29 and FLARE3 are not conducting gas flaring simultaneously.

The following records for flaring activities shall be kept:

A. The type of flaring activity and the reason for the activity;

B. The common name and the facility identification number, if applicable, of the facilities at which the flaring activity and emissions occurred;

C. The date and time of the flaring activity and its duration;

D. The estimated quantity of each air contaminant, or mixture of air contaminants, emitted with the data and methods used to determine it. The emissions from each flaring event shall be calculated according to Special Condition No. 6.F and recorded for comparison with the MAERT emission rate limits for EPN 29 and FLARE3. All flaring emissions shall be summed monthly and the rolling 12-month emissions shall be updated on a monthly basis for comparison with the MAERT.

Fugitive Piping, Valves, Connectors, Pumps, Agitators, and Compressors – 28VHP

13. Except as may be provided for in the Special Conditions of this permit, the following requirements apply to the above-referenced equipment:

A. The requirements of paragraphs G and H shall not apply (1) where the Volatile Organic Compound (VOC) has an aggregate partial pressure or vapor pressure of less than 0.044 pounds per square inch, absolute (psia) at 68°F or (2) operating pressure is at least 5 kilopascals (0.725 psi) below ambient pressure. Equipment excluded from this condition shall be identified in a list or by one of the methods described below to be made readily available upon request.

The exempted components may be identified by one or more of the following methods:

(1) piping and instrumentation diagram (PID);

(2) a written or electronic database or electronic file;

(3) color coding;

(4) a form of weatherproof identification; or

(5) designation of exempted process unit boundaries.

B. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable American National Standards Institute (ANSI), American Petroleum Institute (API), American Society of Mechanical Engineers (ASME), or equivalent codes.

C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical. New and reworked buried connectors shall be welded.

D. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak-checking during plant operation. Difficult-to-monitor and unsafe-to-monitor valves, as defined by Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), shall be identified in a list to be made readily available upon request. The difficult-to-monitor and unsafe-to-monitor valves may be identified by one or more of the methods described in Paragraph A above. If an unsafe to monitor component is not considered safe to monitor within a calendar year, then it shall be monitored as soon as possible during safe to monitor times. A difficult to monitor component for which quarterly monitoring is specified may instead be monitored annually.

E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. Gas or hydraulic testing of the new and reworked piping connections at no less than operating pressure shall be performed prior to returning the components to service or they shall be monitored for leaks using an approved gas analyzer within 15 days of the components being returned to service. Adjustments shall be made as necessary to obtain leak-free performance. Connectors shall be inspected by visual, audible, and/or olfactory means at least weekly by operating personnel walk-through.

F. Each open-ended valve or line shall be equipped with an appropriately sized cap, blind flange, plug, or a second valve to seal the line. Except during sampling, both valves shall be closed. If the isolation of equipment for hot work or the removal of a component for repair or replacement results in an open ended line or valve, it is exempt from the requirement to install a cap, blind flange, plug, or second valve for 72 hours. If the repair or replacement is not completed within 72 hours, the permit holder must complete either of the following actions within that time period;

(1) a cap, blind flange, plug, or second valve must be installed on the line or valve;

or

(2) the open-ended valve or line shall be monitored once for leaks above background for a plant or unit turnaround lasting up to 45 days with an approved gas analyzer and the results recorded. For all other situations, the open-ended valve or line shall be monitored once within the 72 hour period following the creation of the open ended line and monthly thereafter with an approved gas analyzer and the results recorded. For turnarounds and all other situations, leaks are indicated by readings of 500 ppmv and must be repaired within 24 hours or a cap, blind flange, plug, or second valve must be installed on the line or valve.

G. Accessible valves shall be monitored by leak checking for fugitive emissions at least quarterly using an approved gas analyzer. Sealless/leakless valves (including, but not limited to, welded bonnet bellows and diaphragm valves) and relief valves equipped with a rupture disc upstream or venting to a control device are not required to be monitored. If a relief valve is

equipped with rupture disc, a pressure-sensing device shall be installed between the relief valve and rupture disc to monitor disc integrity.

A check of the reading of the pressure-sensing device to verify disc integrity shall be performed at least quarterly and recorded in the unit log or equivalent. Pressure-sensing devices that are continuously monitored with alarms are exempt from recordkeeping requirements specified in this paragraph. All leaking discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

The gas analyzer shall conform to requirements listed in Method 21 of 40 CFR part 60, appendix A. The gas analyzer shall be calibrated with methane. In addition, the response factor of the instrument for a specific VOC of interest shall be determined and meet the requirements of Section 8 of Method 21. If a mixture of VOCs is being monitored, the response factor shall be calculated for the average composition of the process fluid. A calculated average is not required when all of the compounds in the mixture have a response factor less than 10 using methane. If a response factor less than 10 cannot be achieved using methane, then the instrument may be calibrated with one of the VOC to be measured or any other VOC so long as the instrument has a response factor of less than 10 for each of the VOC to be measured.

Replacements for leaking components shall be re-monitored within 15 days of being placed back into VOC service.

H. Except as may be provided for in the special conditions of this permit, all pump, compressor, and agitator seals shall be monitored with an approved gas analyzer at least quarterly or be equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. Seal systems designed and operated to prevent emissions or seals equipped with automatic seal failure detection and alarm system need not be monitored. These seal systems may include (but are not limited to) dual pump seals with barrier fluid at higher pressure than process pressure, seals degassing to vent control systems kept in good working order, or seals equipped with an automatic seal failure detection and alarm system. Submerged pumps or sealless pumps (including, but not limited to, diaphragm, canned, or magnetic-driven pumps) may be used to satisfy the requirements of this condition and need not be monitored.

I. Damaged or leaking valves or connectors found to be emitting VOC in excess of 500 parts per million by volume (ppmv) or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. Damaged or leaking pump, compressor, and agitator seals found to be emitting VOC in excess of 2,000 ppmv or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. A first attempt to repair the leak must be made within 5 days and a record of the attempt shall be maintained.

J. A leaking component shall be repaired as soon as practicable, but no later than 15 days after the leak is found. If the repair of a component would require a unit shutdown that would create more emissions than the repair would eliminate, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging within 15 days of the detection of the leak. A listing of all components that qualify for delay of repair shall be maintained on a delay of repair list. The cumulative daily emissions from all components on the delay of repair list shall be estimated by multiplying by 24 the mass emission rate for each component calculated in accordance with the instructions in 30 TAC 115.782 (c)(1)(B)(i)(II). The calculations of the cumulative daily emissions from all components on the delay of repair list shall be updated within ten days of when the latest leaking component is added to the delay of repair list. When the cumulative daily emission rate of all components on the delay of repair list times the number of days until the next scheduled unit shutdown is equal to or

exceeds the total emissions from a unit shut down as calculated in accordance with 30 TAC 115.782 (c)(1)(B)(i)(I), the TCEQ Regional Manager and any local programs shall be notified and may require early unit shut down or other appropriate action based on the number and severity of tagged leaks awaiting shutdown. This notification shall be made within 15 days of making this determination.

K. Records of repairs shall include date of repairs, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of instrument monitoring shall indicate dates and times, test methods, and instrument readings. The instrument monitoring record shall include the time that monitoring took place for no less than 95% of the instrument readings recorded. Records of physical inspections shall be noted in the operator's log or equivalent.

L. Alternative monitoring frequency schedules of 30 TAC 115.352 - 115.359 or National Emission Standards for Organic Hazardous Air Pollutants, 40 CFR Part 63, Subpart H, may be used in lieu of Items G through H of this condition.

M. Compliance with the requirements of this condition does not assure compliance with requirements of 30 TAC Chapter 115, an applicable New Source Performance Standard (NSPS), or an applicable National Emission Standard for Hazardous Air Pollutants (NESHAPS) and does not constitute approval of alternative standards for these regulations.

14. The start of fugitive component inspections per the 28 VHP monitoring program in Special Condition No. 11 are not required until 180 days from issuance of the permit on September 7, 2017. Fugitive components with 3% VOC or less by weight shall be exempted from the requirements of Special Condition No.11 (28 VHP).

Fugitive Piping, Valves, Pumps, and Compressors in H_2S Service

15. Fugitive components in H_2S service are subject to the following:

A. Audio, visual, and olfactory checks shall be made for H_2S and natural gas leaks at least once per 12-hour shift during normal working hours. **(09/23)**

B. Immediately, but no later than one hour upon detection of a leak, plant personnel shall take at least one of the following actions:

(1) Isolate the leak.

(2) Commence repair or replacement of the leaking component.

(3) Use a leak collection, containment, or bypass system to minimize the leak until repair or replacement can be made if immediate repair is not possible.

Records shall be kept of all repairs noting the duration of the outage and the corrective action taken.

Initial Determination of Compliance

16. The initial determination of compliance in the original Permit Numbers 20660 and 5037A has been demonstrated. If requested by the Texas Commission on Environmental Quality (TCEQ) Abilene Regional Office Director, the holder of this permit shall perform stack sampling and other testing to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the Cooper-Bessemer GMVH12C2 Engines identified as EPNs 1, 21, 22, and 23, and from Clark TLAB-6 Engines identified as EPNs 2 and 3. The number of engines to be tested will be

determined at the pretest meeting. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense.

A. The appropriate TCEQ Regional Office shall be contacted as soon as testing is scheduled but not less than 45 days prior to sampling to schedule a pretest meeting.

The notice shall include:

(1) Date for pretest meeting.

(2) Date sampling will occur.

(3) Name of firm conducting sampling.

(4) Type of sampling equipment to be used.

(5) Method or procedure to be used in sampling.

(6) Procedure to be used to determine engine horsepower load during and after sampling period.

(7) Identification of speed and torque test points. The selected points must be representative of the range of emissions in the design operating range of the engines.

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports.

A written proposed description of any deviation from sampling procedures specified in permit conditions or TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Regional Director shall approve or disapprove of any deviation from specified sampling procedures.

Requests to waive testing for any pollutant specified in B of this condition shall be submitted to the TCEQ Office of Air, Air Permits Division. Test waivers and alternate/equivalent procedure proposals for New Source Performance Standards testing which must have EPA approval shall be submitted to the TCEQ Regional Director.

B. Air contaminants emitted from the engines to be tested for include (but are not limited to) NO_x, nitric oxide (NO), CO, VOC, and oxygen (O_2). In addition, the NO-to-NO_x ratio shall be determined for each engine tested at full load and speed.

C. Engine emissions shall be determined by EPA Methods 2, 19, 3a, 4, 7E, 10, 18, and 25a or any other methods approved by the TCEQ Regional Director prior to sampling. Emissions shall be sampled at four points over the normal load range of the engine, including the minimum and maximum of the speed range. The maximum load shall be the maximum engine load achievable for the ambient conditions during the test. At each engine load, the following operating parameters shall be monitored to identify the range over which the allowable emission limits are not exceeded: air-fuel ratio, inlet air manifold temperature and pressure, fuel manifold pressure, engine speed, and spark ignition timing. In an effort to be representative of normal operating conditions, no other engine adjustments shall be made during the compliance sampling period. The nature of all engine adjustments shall be clearly described in the sampling report. The unadjusted NO_x emission level shall be used to determine compliance with the brake-specific emission limit of this permit.

D. For test purposes only, the holder of this permit may operate the compressor engines outside their proposed operating range during the initial performance test. This shall be solely for the

purpose of determining the compliance operating range of the engines. Exceedances of the emission limitations of Special Condition No. 8 which may occur while performing testing outside the proposed operating range shall not be a violation of this permit. The emission limitations of Special Condition No. 8 and the maximum allowable emissions rates table (MAERT) are applicable at all other times.

Gaseous sampling ports for the engines shall consist of two 4-inch diameter 150-pound ANSI RF flanges installed in the exhaust system according to EPA Method 1 at a location where the full flow of the engine exhaust sweeps by the sampling point and where sufficient turbulence (no stratification) may be expected to insure a representative sample. Platforms shall be incorporated into the design of the engine's stack according to the specifications set forth in the attachment entitled “Chapter 2, Stack Sampling Facilities.” Alternatively, a temporary work platform for sampling operations is acceptable if proper safety and accessibility are provided. All other requirements detailed in Chapter 2 of the TCEQ Sampling Procedures Manual pertaining to monorails, loading, clearance, and power must be met by the temporary facilities. Alternate sampling facility designs must be submitted for approval by the TCEQ Regional Director.

E. Sampling shall occur within 60 days of commercial operation, not to exceed 180 days after initial start-up of the engines and at such other times as may be required by the Executive Director of the TCEQ. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office.

F. Two copies of the final sampling report shall be forwarded to the TCEQ within 60 days after sampling is completed. Sampling reports shall comply with the conditions of Chapter 14 of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:

One copy to the TCEQ Abilene Regional Office.

One copy to the TCEQ Austin Office of Air, Air Permits Division.

G. Engine EPNs 2 and 3 shall be stack sampled per Special Condition 13 within 180 days of the permit being issued on September 7, 2017.

Continuous Determination of Compliance

17. In order to demonstrate that the engines are operating as represented in the permit application, the holder of this permit shall perform the following for each Cooper-Bessemer GMVH-12C2 Engine (EPNs 1, 21, 22 and 23) and from each Clark TLAB-6 Engine (EPNs 2 and 3):

A. Conduct a quarterly or after 2,280 hours of engine operation, evaluation of engine performance at the as-found speed, and torque for each engine by measuring the NO_x, CO, and O_2 content of the exhaust.

B. The use of portable analyzers specifically designed for measuring CO, O_2, NO, and/or NO_x concentrations in ppmvd shall be acceptable for this evaluation. A hot air probe or equivalent may be used with the analyzer to prevent damage to the probes because of high stack temperatures. Prior to and following the measurements, the portable analyzer shall be checked for accuracy using an audit gas that conforms to the specifications in 40 CFR Part 60 Appendix F, 5.1.2(3). Any other method approved by the TCEQ Regional Director is also acceptable.

C. Testing shall also be performed after engine maintenance which may affect emissions from the unit. Emission testing shall be performed as soon as practicable but no later than 14 days following applicable maintenance performed on the engine.

D. If a portable analyzer only capable of measuring NO is used for this testing, the NO_x emission rate shall be determined from the measured NO values and the NO-to-NO_x ratio determined in the initial start-up testing.

E. Emissions shall be measured and recorded in the as-found operating condition, except no compliance determination shall be established during start-up or shutdown. Emission rates shall be reported in units of pounds per hour (lbs/hr).

F. Measured concentrations in ppmvd shall be converted to g/hp-hr, lb/MMBtu and lbs/hr to demonstrate compliance with Special Condition No. 8 and the MAERT.

Recordkeeping

18. The holder of this permit shall make and maintain at the plant site for the life of this permit, records of the results of all initial stack tests conducted pursuant to Special Condition No. 14. These records shall be made available to designated representatives of the TCEQ, EPA, or any local air pollution control program having jurisdiction upon request.

19. The holder of this permit shall make and maintain at the plant site on a two-year rolling retention basis the written records of:

A. Records of fugitive monitoring required by 40 CFR Part 60 Subpart KKK.

B. Records of flare emissions required by Special Condition No. 6.

C. Records of fugitive monitoring required by Special Condition 13.

D. Records of H_2S monitoring required by Special Condition No. 15.

E. Results of NO_x, CO, and O_2 engine testing required by Special Condition No. 17.

These records shall be made available to designated representatives of the TCEQ, EPA, or any local air pollution control program having jurisdiction upon request.

20. The following sources and/or activities are authorized under a Permit by Rule (PBR) by Title 30 Texas Administrative Code Chapter 106 (30 TAC Chapter 106). These lists are not intended to be all inclusive and can be altered without modifications to this permit. **(09/23)**

Authorization	Source or Activity
PBR No. 79531	Electric Driven Compressors
PBR No. 24522	Fugitive Components
PBR No. 51443	Glycol Dehydration System Emission
PBR §106.359	MSS Activities

Emission Sources - Maximum Allowable Emission Rates

Permit Number 20660 and PSDTX795M2

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
1	Cooper-Bessemer Engine Model GMVH-12 2,400-hp	NO_X	10.57	46.31
		CO	10.57	46.31
		VOC	2.52	11.04
		SO_2	0.01	0.06
		PM	1.01	4.44
		PM_{10}	1.01	4.44
		$PM_{2.5}$	1.01	4.44
2	Clark Engine Model TLAB-6 2,000-hp	NO_X	70.55	309.00
		CO	7.50	32.83
		VOC	2.12	9.28
		SO_2	0.01	0.05
		PM	0.85	3.73
		PM_{10}	0.85	3.73
		$PM_{2.5}$	0.85	3.73
3	Clark Engine Model TLAB-6 2,000-hp	NO_X	70.55	309.00
		CO	7.50	32.83
		VOC	2.12	9.28
		SO_2	0.01	0.05
		PM	0.85	3.73
		PM_{10}	0.85	3.73
		$PM_{2.5}$	0.85	3.73

Emission Sources - Maximum Allowable Emission Rates

6	Hot Oil Heater 17 MMBtu/hr	NO_X	1.68	7.36
		CO	1.41	6.18
		VOC	0.09	0.40
		SO_2	0.01	0.04
		PM	0.13	0.56
		PM_{10}	0.13	0.56
		$PM_{2.5}$	0.13	0.56
11	Glycol Reboiler 9.3 MMBtu/hr	NO_X	0.91	4.00
		CO	0.77	3.36
		VOC	0.05	0.22
		SO_2	<0.01	0.02
		PM	0.07	0.30
		PM_{10}	0.07	0.30
		$PM_{2.5}$	0.07	0.30
14	Glycol Still Vent	VOC	6.00	20.00
		Benzene	0.25	0.70
21	Cooper-Bessemer Engine Model GMVH-12C2 2,700-hp	NO_X	11.89	52.10
		CO	11.89	52.10
		VOC	2.40	10.51
		SO_2	0.01	0.04
		PM	0.97	4.23
		PM_{10}	0.97	4.23
		$PM_{2.5}$	0.97	4.23

Emission Sources - Maximum Allowable Emission Rates

22	Cooper-Bessemer Engine Model GMVH-12C2 2,700-hp	NO_X	11.89	52.10
		CO	11.89	52.10
		VOC	2.40	10.51
		SO_2	0.01	0.04
		PM	0.97	4.23
		PM_{10}	0.97	4.23
		$PM_{2.5}$	0.97	4.23
23	Cooper-Bessemer Engine Model GMVH-12C2 2,700-hp	NO_X	11.89	52.10
		CO	11.89	52.10
		VOC	2.40	10.51
		SO_2	0.01	0.04
		PM	0.97	4.23
		PM_{10}	0.97	4.23
		$PM_{2.5}$	0.97	4.23
26	Hot Oil Heater 39 MMBtu/hr	NO_X	2.34	10.25
		CO	3.21	14.07
		VOC	0.21	0.92
		SO_2	0.02	0.1
		PM	0.29	1.27
		PM_{10}	0.29	1.27
		$PM_{2.5}$	0.29	1.27

Emission Sources - Maximum Allowable Emission Rates

FLARE3	North Flare – Pilot and Process Gas	NO_X	4.37	--
		CO	37.20	--
		VOC	42.82	--
		SO_2	50.48	--
		H_2S	0.55	--
	North Flare - Gas Flaring	NO_X	92.82	--
		CO	369.60	--
		VOC	255.70	--
		SO_2	402.43	--
		H_2S	4.00	--
29	West Flare – Pilot and Process Gas	NO_X	4.37	--
		CO	37.20	--
		VOC	42.82	--
		SO_2	50.48	--
		H_2S	0.55	--
	West Flare Plant - Gas Flaring	NO_X (6)	36.08	--
		NO_X (7)	56.29	--
		CO	482.63	--
		VOC	297.24	--
		SO_2	658.74	--
		H_2S	7.01	

Emission Sources - Maximum Allowable Emission Rates

FLARE3 and 29	North and West Flares Combined Annual Limits – Pilot and Process Gas	NO_X	--	15.85
		CO	--	135.80
		VOC	--	156.31
		SO_2	--	184.24
		H_2S	--	2.00
	North and West Flares - Gas Flaring Combined Annual Limits	NO_X	--	29.40
		CO	--	117.01
		VOC	--	81.00
		SO_2	--	127.39
		H_2S	--	1.27
30	TP Glycol Reboiler 15 MMBtu/hr	NO_X	1.48	6.47
		CO	1.24	5.44
		VOC	0.08	0.36
		SO_2	0.01	0.04
		PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.11	0.49
NGLFUG	Fugitives (5)	VOC	9.08	39.76
		H_2S	0.04	0.20
CO2FUG	Fugitives (5)	VOC	9.33	41.07
		H_2S	0.02	0.09
VRUFUG	VRU Fugitives (5)	VOC	0.05	0.22
		H_2S	0.01	0.02

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
H_2S - hydrogen sulfide
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Hourly limit when EPN FLARE3 and EPN 29 are simultaneously conducting gas flaring.
(7) Hourly limit when EPN FLARE3 and EPN 29 are not simultaneously conducting gas flaring.

Date: September 21, 2023