FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
IACX Rock Creek LLC

AUTHORIZING THE OPERATION OF
Sneed Booster Station
Crude Petroleum and Natural Gas Extraction

LOCATED AT
Moore County, Texas
Latitude 35° 48′ 42″ Longitude 101° 37′ 46″
Regulated Entity Number: RN100220052

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: O2568 Issuance Date: November 10, 2021

For the Commission

Table of Contents

General Terms and Conditions

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

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

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

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

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

Special Terms and Conditions:

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

1. Permit holder shall comply with the following requirements:

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

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

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

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

E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(ii) Title 30 TAC § 111.111(a)(1)(E)

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

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

ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

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

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

(3) Records of all observations shall be maintained.

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

(5) Compliance Certification:

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

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

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

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

B. 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)

D. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:

(i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)

(ii) Title 30 TAC § 111.207 (relating to Exception for Recreation, Ceremony, Cooking, and Warmth)

(iii) Title 30 TAC § 111.209 (relating to Exception for Disposal Fires)

(iv) Title 30 TAC § 111.219 (relating to General Requirements for Allowable Outdoor Burning)

(v) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)

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

Additional Monitoring Requirements

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

New Source Review Authorization Requirements

8. 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 March 18, 2021 in the application for project 31952), 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

9. 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.

10. 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

11. 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.

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

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

(i) Title 30 TAC Chapter 115

(ii) Title 30 TAC Chapter 117

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

(iv) Temporarily exceed state NSR permit allowables

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

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

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

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

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

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

Permit Location

13. 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)

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

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

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

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
835	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
836	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
859	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
AIR	SRIC ENGINES	N/A	63ZZZZ-04	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-23C	SRIC ENGINES	N/A	63ZZZZ-02	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-24C	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-25	SRIC ENGINES	N/A	63ZZZZ-02	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-26	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-27A	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-28	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-29A	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-30	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-31	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FLR1	FLARES	N/A	R1111-0001	30 TAC Chapter 111, Visible Emissions	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
FLR1	FLARES	N/A	60A-0001	40 CFR Part 60, Subpart A	No changing attributes.
HTR3	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60DC-0001	40 CFR Part 60, Subpart Dc	No changing attributes.
HTR4	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60DC-0001	40 CFR Part 60, Subpart Dc	No changing attributes.
OFFICE GEN	SRIC ENGINES	N/A	63ZZZZ-06	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
SRU	GAS SWEETENING/SULFUR RECOVERY UNITS	N/A	R112-0001	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
SRU	GAS SWEETENING/SULFUR RECOVERY UNITS	N/A	60LLL-0001	40 CFR Part 60, Subpart LLL	No changing attributes.
SRU BACKUP GEN	SRIC ENGINES	N/A	60IIII-02	40 CFR Part 60, Subpart IIII	No changing attributes.
SRU BACKUP GEN	SRIC ENGINES	N/A	63ZZZZ-05	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
TREATER	GAS SWEETENING/SULFUR RECOVERY UNITS	N/A	60LLL-0001	40 CFR Part 60, Subpart LLL	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)
835	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.11 § 63.6595(a)(1) § 63.6603(f) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6625(j)	For each existing non-emergency, non-black start 4SRB remote stationary RICE with a site rating greater than 500 HP, located at an area source, you must comply with the requirements as specified in Table 2d.11.a-c.	§ 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6603(f) § 63.6625(j) § 63.6655(e) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
836	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.11 § 63.6595(a)(1) § 63.6603(f) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6625(j)	For each existing non-emergency, non-black start 4SRB remote stationary RICE with a site rating greater than 500 HP, located at an area source, you must comply with the requirements as specified in Table 2d.11.a-c.	§ 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6603(f) § 63.6625(j) § 63.6655(e) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
859	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.11 § 63.6595(a)(1) § 63.6603(f) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6625(j)	For each existing non-emergency, non-black start 4SRB remote stationary RICE with a site rating greater than 500 HP, located at an area source, you must comply with the requirements as specified in Table 2d.11.a-c.	§ 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6603(f) § 63.6625(j) § 63.6655(e) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
AIR	EU	63ZZZZ-04	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

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)
					§ 63.6640(f)(4) § 63.6640(f)(4)(i)				
ENG-23C	EU	63ZZZZ-02	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.8 § 63.6595(a)(1) § 63.6603(f) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6625(j)	For each existing non-emergency, non-black start 4SLB remote stationary RICE with a site rating greater than 500 HP, located at an area source, you must comply with the requirements as specified in Table 2d.8.a-c.	§ 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6603(f) § 63.6625(j) § 63.6655(e) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
ENG-24C	EU	63ZZZZ-03	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
ENG-25	EU	63ZZZZ-02	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.8 § 63.6595(a)(1) § 63.6603(f) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6625(j)	For each existing non-emergency, non-black start 4SLB remote stationary RICE with a site rating greater than 500 HP, located at an area source, you must comply with the requirements as specified in Table 2d.8.a-c.	§ 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6603(f) § 63.6625(j) § 63.6655(e) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

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)
ENG-26	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.11 § 63.6595(a)(1) § 63.6603(f) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6625(j)	For each existing non-emergency, non-black start 4SRB remote stationary RICE with a site rating greater than 500 HP, located at an area source, you must comply with the requirements as specified in Table 2d.11.a-c.	§ 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6603(f) § 63.6625(j) § 63.6655(e) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
ENG-27A	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.11 § 63.6595(a)(1) § 63.6603(f) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6625(j)	For each existing non-emergency, non-black start 4SRB remote stationary RICE with a site rating greater than 500 HP, located at an area source, you must comply with the requirements as specified in Table 2d.11.a-c.	§ 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6603(f) § 63.6625(j) § 63.6655(e) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
ENG-28	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.11 § 63.6595(a)(1) § 63.6603(f) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6625(j)	For each existing non-emergency, non-black start 4SRB remote stationary RICE with a site rating greater than 500 HP, located at an area source, you must comply with the requirements as specified in Table 2d.11.a-c.	§ 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6603(f) § 63.6625(j) § 63.6655(e) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
ENG-29A	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.11 § 63.6595(a)(1) § 63.6603(f) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6625(j)	For each existing non-emergency, non-black start 4SRB remote stationary RICE with a site rating greater than 500 HP, located at an area source, you must comply with the requirements as specified in Table 2d.11.a-c.	§ 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6603(f) § 63.6625(j) § 63.6655(e) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
ENG-30	EU	63ZZZZ-	112(B)	40 CFR Part 63,	§ 63.6603(a)-	For each existing non-	§ 63.6625(j)	§ 63.6603(f)	§ 63.6640(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)
		01	HAPS	Subpart ZZZZ	Table2d.11 § 63.6595(a)(1) § 63.6603(f) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6625(j)	emergency, non-black start 4SRB remote stationary RICE with a site rating greater than 500 HP, located at an area source, you must comply with the requirements as specified in Table 2d.11.a-c.	§ 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(j) § 63.6655(e) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6650(f)
ENG-31	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.11 § 63.6595(a)(1) § 63.6603(f) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6625(j)	For each existing non-emergency, non-black start 4SRB remote stationary RICE with a site rating greater than 500 HP, located at an area source, you must comply with the requirements as specified in Table 2d.11.a-c.	§ 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6603(f) § 63.6625(j) § 63.6655(e) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
FLR1	EP	R1111-0001	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A) § 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from an acid gas flare shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
FLR1	CD	60A-0001	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
HTR3	EU	60DC-0001	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	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						heat input capacity of 2.9-29 megawatts (MW).			
HTR3	EU	60DC-0001	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)
HTR3	EU	60DC-0001	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)
HTR4	EU	60DC-0001	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 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)
HTR4	EU	60DC-0001	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)
HTR4	EU	60DC-0001	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	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						megawatts (MW).			
OFFICE GEN	EU	63ZZZZ-06	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.5 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(j) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(4) § 63.6640(f)(4)(i)	For each existing emergency stationary SI RICE; black start stationary SI RICE; non-emergency, non-black start 4SLB stationary RICE with a site rating greater than 500 HP that operates 24 hours or less per calendar year; non-emergency, non-black start 4SRB stationary RICE with a site rating greater than 500 HP that operates 24 hours or less per calendar year, located at an area source, you must comply with the requirements as specified in Table 2d.5.a-c.	§ 63.6625(f) § 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(j) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
SRU	EU	R112-0001	SO_2	30 TAC Chapter 112, Sulfur Compounds	§ 112.7(a)	No person may cause, suffer, allow, or permit emissions of SO2 to exceed the emission limits specified for stack effluent flow rates less than or equal to 4,000 scfm as determined by the specified equation in §112.7(a).	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)
SRU	PRO	60LLL-0001	SO_2	40 CFR Part 60, Subpart LLL	§ 60.642(b) § 60.642(a)	After demonstrating compliance with Paragraph (a), the owner or operator shall achieve a minimum SO2 emission reduction efficiency, Zc, as determined from Table 2.	[G]§ 60.643(a)(1) § 60.643(a)(2) § 60.643(b) § 60.644(a) [G]§ 60.644(b) § 60.644(c) § 60.644(c)(1) § 60.644(c)(2) § 60.644(c)(3)	§ 60.647(a) § 60.647(d)	§ 60.647(b) § 60.647(b)(1)

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)
							§ 60.644(c)(4) § 60.644(c)(4)(i) § 60.644(c)(4)(iv) [G]§ 60.646(a) § 60.646(e) [G]§ 60.648		
SRU BACKUP GEN	EU	60IIII-02	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	None
SRU BACKUP GEN	EU	60IIII-02	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 75 KW and a displacement of less than 10 liters per cylinder and is a 2008 model year and later, must comply with an NMHC+NOx emission limit of 4.7 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	None
SRU BACKUP	EU	60IIII-02	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2)	Owners and operators of emergency stationary CI	§ 60.4209(a)	§ 60.4214(b)	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)
GEN					§ 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 75 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.40 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
SRU BACKUP GEN	EU	63ZZZZ-05	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
TREATER	PRO	60LLL-0001	SO_2	40 CFR Part 60, Subpart LLL	§ 60.642(b) § 60.642(a)	After demonstrating compliance with Paragraph (a), the owner or operator shall achieve a minimum SO2 emission reduction efficiency, Zc, as determined from Table 2.	[G]§ 60.643(a)(1) § 60.643(a)(2) § 60.643(b) § 60.644(a) [G]§ 60.644(b) § 60.644(c) § 60.644(c)(1) § 60.644(c)(2)	§ 60.647(a) § 60.647(d)	§ 60.647(b) § 60.647(b)(1)

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)
							§ 60.644(c)(3) § 60.644(c)(4) § 60.644(c)(4)(i) § 60.644(c)(4)(iv) [G]§ 60.646(a) § 60.646(e) [G]§ 60.648		

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: FLR1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-0001
Pollutant: Opacity	Main Standard: § 111.111(a)(4)(A)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per day	
Averaging Period: N/A	
Deviation Limit: Visible emissions from the flare during operation is considered a deviation.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded in the flare operation log. A notation in the flare operation log should include the time of day and whether or not the flare had visible emissions. For flares operated less frequently than daily, the observation shall be made for each operation. The flare operator shall record at least 98% of these required observations. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If visible emissions are observed the permit holder shall either report a deviation or determine visible emissions consistent with Test Method 22 or Test Method 9.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: SRU	
Control Device ID No.: TGI	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: R112-0001
Pollutant: SO_2	Main Standard: § 112.7(a)
Monitoring Information	
Indicator: SO2 Mass Emissions in Pounds per Hour	
Minimum Frequency: Four times per hour	
Averaging Period: Hourly	
Deviation Limit: Maximum SO2 emission rate = 666.7 lb SO2/hr	
Periodic Monitoring Text: A continuous emission monitoring system (CEMS) that measures and records the mass emissions rate of sulfur dioxide expressed in pounds per hour in the exhaust stream of the control device. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the Performance Specifications of 40 CFR Part 60, Appendix B. The maximum SOx mass emission rate is the applicable or corresponding emission limit. Any monitoring data above the limit from the underlying applicable requirement shall be considered and reported as a deviation.	

Permit Shield

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
835	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit does not combust solid or liquid fossil fuel.
835	N/A	40 CFR Part 60, Subpart JJJJ	Engine commenced construction prior to June 12, 2006.
836	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit does not combust solid or liquid fossil fuel.
836	N/A	40 CFR Part 60, Subpart JJJJ	Engine commenced construction prior to June 12, 2006.
859	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit does not combust solid or liquid fossil fuel.
859	N/A	40 CFR Part 60, Subpart JJJJ	Engine commenced construction prior to June 12, 2006.
AIR	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit does not combust solid or liquid fossil fuel.
AIR	N/A	40 CFR Part 60, Subpart IIII	Engine commenced construction prior to July 11, 2005.
AMINE TK1	N/A	40 CFR Part 60, Subpart Kb	Unit storage capacity is less than 75m3 (19,800 gallons).
AMINE TK1	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
AMINE TK2	N/A	40 CFR Part 60, Subpart Kb	Unit storage capacity is less than 75m3 (19,800 gallons).
AMINE TK2	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
ANTIFOULANT TK	N/A	40 CFR Part 60, Subpart Kb	Unit storage capacity is less than 75m3 (19,800 gallons).
ANTIFOULANT TK	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
BLR	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit does not combust solid or liquid fossil fuel.
BLR	N/A	40 CFR Part 60, Subpart D	Unit has heat input capacity less than 250 MMBtu/hr.
BLR	N/A	40 CFR Part 60, Subpart Db	Unit has heat input capacity less than 100 MMBtu/hr.
BLR	N/A	40 CFR Part 60, Subpart Dc	Unit has heat input capacity less than 10 MMBtu/hr.
BLR	N/A	40 CFR Part 63, Subpart DDDDD	The site is not a major source of HAPs and has not been a major source of HAPs since the required date of compliance.
ENG-23C	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit does not combust solid or liquid fossil fuel.
ENG-23C	N/A	40 CFR Part 60, Subpart JJJJ	Engine commenced construction prior to June 12, 2006.
ENG-24C	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit does not combust solid or liquid fossil fuel.
ENG-24C	N/A	40 CFR Part 60, Subpart JJJJ	Engine commenced construction after June 12, 2006, is lean burn with a maximum engine power greater than or equal to 500 HP and was manufactured prior to January 1, 2008.
ENG-25	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit does not combust solid or liquid fossil fuel.
ENG-25	N/A	40 CFR Part 60, Subpart JJJJ	Engine commenced construction prior to June 12, 2006.
ENG-26	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit does not combust solid or liquid fossil fuel.
ENG-26	N/A	40 CFR Part 60, Subpart JJJJ	Engine commenced construction prior to June 12, 2006.

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
ENG-27A	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit does not combust solid or liquid fossil fuel.
ENG-27A	N/A	40 CFR Part 60, Subpart JJJJ	Engine commenced construction prior to June 12, 2006.
ENG-28	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit does not combust solid or liquid fossil fuel.
ENG-28	N/A	40 CFR Part 60, Subpart JJJJ	Engine commenced construction prior to June 12, 2006.
ENG-29A	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit does not combust solid or liquid fossil fuel.
ENG-29A	N/A	40 CFR Part 60, Subpart JJJJ	Engine commenced construction prior to June 12, 2006.
ENG-30	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit does not combust solid or liquid fossil fuel.
ENG-30	N/A	40 CFR Part 60, Subpart JJJJ	Engine commenced construction prior to June 12, 2006.
ENG-31	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit does not combust solid or liquid fossil fuel.
ENG-31	N/A	40 CFR Part 60, Subpart JJJJ	Engine commenced construction prior to June 12, 2006.
FUG	N/A	40 CFR Part 60, Subpart KKK	Facility is not an onshore natural gas processing plant.
FUG	N/A	40 CFR Part 60, Subpart OOOO	All fugitive equipment and reciprocating/centrifugal compressors commenced construction, modification or reconstruction before August 23, 2011.
FUG	N/A	40 CFR Part 63, Subpart H	Unit does not operate in organic hazardous air pollutant service.
HTR1	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit does not combust solid or liquid fossil fuel.

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
HTR1	N/A	40 CFR Part 60, Subpart D	Unit has heat input capacity less than 250 MMBtu/hr.
HTR1	N/A	40 CFR Part 60, Subpart Db	Unit has heat input capacity less than 100 MMBtu/hr.
HTR1	N/A	40 CFR Part 60, Subpart Dc	Unit was constructed prior to June 9, 1989.
HTR1	N/A	40 CFR Part 63, Subpart DDDDD	The site is not a major source of HAPs and has not been a major source of HAPs since the required date of compliance.
HTR1	N/A	40 CFR Part 63, Subpart EEE	Unit does not handle hazardous waste.
HTR3	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit does not combust solid or liquid fossil fuel.
HTR3	N/A	40 CFR Part 60, Subpart D	Unit has heat input capacity less than 250 MMBtu/hr.
HTR3	N/A	40 CFR Part 60, Subpart Db	Unit has heat input capacity less than 100 MMBtu/hr.
HTR3	N/A	40 CFR Part 63, Subpart DDDDD	The site is not a major source of HAPs and has not been a major source of HAPs since the required date of compliance.
HTR3	N/A	40 CFR Part 63, Subpart EEE	Unit does not handle hazardous waste.
HTR4	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit does not combust solid or liquid fossil fuel.
HTR4	N/A	40 CFR Part 60, Subpart D	Unit has heat input capacity less than 250 MMBtu/hr.
HTR4	N/A	40 CFR Part 60, Subpart Db	Unit has heat input capacity less than 100 MMBtu/hr.
HTR4	N/A	40 CFR Part 63, Subpart DDDDD	The site is not a major source of HAPs and has not been a major source of HAPs since the

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
			required date of compliance.
HTR4	N/A	40 CFR Part 63, Subpart EEE	Unit does not handle hazardous waste.
OFFICE GEN	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit does not combust solid or liquid fossil fuel.
SRU BACKUP GEN	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit does not combust solid or liquid fossil fuel.
SRUFUG	N/A	40 CFR Part 60, Subpart KKK	Facility is not an onshore natural gas processing plant.
SRUFUG	N/A	40 CFR Part 60, Subpart OOOO	All fugitive equipment commenced construction, modification or reconstruction before August 23, 2011.
SRUFUG	N/A	40 CFR Part 63, Subpart H	Unit does not operate in organic hazardous air pollutant service.
TGI	N/A	30 TAC Chapter 111, Incineration	Unit does not burn domestic, commercial, or industrial solid waste, hazardous waste, or medical waste.
TGI	N/A	40 CFR Part 60, Subpart E	Unit does not burn solid waste and therefore does not meet the definition of an incinerator defined in §60.51.
TK-1	N/A	40 CFR Part 60, Subpart K	Storage vessel was constructed before June 11, 1973.
TK-1	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
TK-10	N/A	40 CFR Part 60, Subpart K	Storage vessel constructed before June 11, 1973.
TK-10	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
TK-11	N/A	40 CFR Part 60, Subpart K	Storage vessel was constructed before June 11, 1973.
TK-11	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
TK-12	N/A	40 CFR Part 60, Subpart K	Storage vessel was constructed before June 11, 1973.
TK-12	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
TK-13	N/A	40 CFR Part 60, Subpart K	Storage vessel was constructed before June 11, 1973.
TK-13	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
TK-14	N/A	40 CFR Part 60, Subpart K	Storage vessel was constructed before June 11, 1973.
TK-14	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
TK-15	N/A	40 CFR Part 60, Subpart K	Storage vessel was constructed before June 11, 1973.
TK-15	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
TK-2	N/A	40 CFR Part 60, Subpart Kb	Unit storage capacity is less than 75m3 (19,800 gallons).
TK-2	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
TK-20	N/A	40 CFR Part 60, Subpart K	Storage vessel was constructed before June 11,

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
			1973.
TK-20	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
TK-21	N/A	40 CFR Part 60, Subpart K	Storage vessel was constructed before June 11, 1973.
TK-21	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
TK-22	N/A	40 CFR Part 60, Subpart K	Storage vessel was constructed before June 11, 1973.
TK-22	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
TK-23	N/A	40 CFR Part 60, Subpart K	Storage vessel was constructed before June 11, 1973.
TK-23	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
TK-24	N/A	40 CFR Part 60, Subpart Kb	Unit storage capacity is less than 75m3 (19,800 gallons).
TK-24	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
TK-25B	N/A	40 CFR Part 60, Subpart Kb	Unit storage capacity is less than 75m3 (19,800 gallons).
TK-25B	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
TK-26	N/A	40 CFR Part 60, Subpart Kb	Unit storage capacity is less than 75m3 (19,800 gallons).

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
TK-26	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
TK-3	N/A	40 CFR Part 60, Subpart K	Storage vessel was constructed before June 11, 1973.
TK-3	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
TK-4	N/A	40 CFR Part 60, Subpart K	Storage vessel was constructed before June 11, 1973.
TK-4	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
TK-5	N/A	40 CFR Part 60, Subpart K	Storage vessel was constructed before June 11, 1973.
TK-5	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
TK-6	N/A	40 CFR Part 60, Subpart K	Storage vessel was constructed before June 11, 1973.
TK-6	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
TK-7	N/A	40 CFR Part 60, Subpart K	Storage vessel was constructed before June 11, 1973.
TK-7	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.
TK-8	N/A	40 CFR Part 60, Subpart K	Storage vessel was constructed before June 11, 1973.
TK-8	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less

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
			than 6 tpy of VOC emissions.
TK-9	N/A	40 CFR Part 60, Subpart K	Storage vessel was constructed before June 11, 1973.
TK-9	N/A	40 CFR Part 60, Subpart OOOO	Storage vessel has the potential to emit less than 6 tpy of VOC emissions.

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.: PSDTX1104	Issuance Date: 12/16/2024
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.: 73350	Issuance Date: 10/26/2018
Authorization No.: 83193	Issuance Date: 12/16/2024
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 66	Version No./Date: 11/05/1986
Number: 106.183	Version No./Date: 06/18/1997
Number: 106.352	Version No./Date: 09/04/2000
Number: 106.352	Version No./Date: 02/27/2011
Number: 106.359	Version No./Date: 09/10/2013
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 03/14/1997

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**
835	SUPERIOR 8G825/GENERAL COMPRESSION	73350
836	SUPERIOR 8G825/GENERAL COMPRESSION	73350
859	WAUKESHA L7042/GENERAL COMPRESSION	73350
AIR	EMERGENCY AIR COMPRESSOR ENGINE	106.511/09/04/2000
AMINE TK1	AMINE STORAGE TANK	106.352/02/27/2011
AMINE TK2	AMINE STORAGE TANK	106.352/02/27/2011
ANTIFOULANT TK	ANTIFOULANT STORAGE TANK	106.352/02/27/2011
BLR	STEAM BOILER	83193, PSDTX1104
ENG-23C	CATERPILLAR G3516TALE	106.512/03/14/1997
ENG-24C	CATERPILLAR G3516TALE	106.512/03/14/1997
ENG-25	CATERPILLAR G3512TALE	106.512/03/14/1997
ENG-26	SUPERIOR 8G825/GENERAL COMPRESSION	106.512/03/14/1997
ENG-27A	SUPERIOR 8G825/GENERAL COMPRESSION	106.512/03/14/1997
ENG-28	SUPERIOR 8G825/GENERAL COMPRESSION	106.512/03/14/1997
ENG-29A	SUPERIOR 8G825/GENERAL COMPRESSION	106.512/03/14/1997
ENG-30	WAUKESHA L7042GU/GENERAL COMPRESSION	106.512/03/14/1997
ENG-31	WAUKESHA L7042GU/GENERAL COMPRESSION	106.512/03/14/1997
FLR1	ACID GAS FLARE	73350, 83193, PSDTX1104
FUG	FUGITIVES	73350
HTR1	HOT OIL HEATER	106.352/09/04/2000
HTR3	HOT OIL HEATER	106.183/06/18/1997

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**
HTR4	HOT OIL HEATER	106.183/06/18/1997
OFFICE GEN	OFFICE GENERATOR	106.511/09/04/2000
SRU	SULFUR RECOVERY UNIT	83193, PSDTX1104
SRU BACKUP GEN	SRU BACKUP GENERATOR	106.511/09/04/2000
SRUFUG	SRU PIPING FUGITIVES	83193, PSDTX1104
TGI	TAIL GAS INCINERATOR UNIT	83193, PSDTX1104
TK-1	DIESEL TANK 1	73350
TK-10	INFERIOR GAS 3/PRESSURIZED NGL/CONDENSATE TANK	66/11/05/1986
TK-11	INFERIOR GAS 4/PRESSURIZED NGL/CONDENSATE TANK	66/11/05/1986
TK-12	INFERIOR GAS 5/PRESSURIZED NGL/CONDENSATE TANK	66/11/05/1986
TK-13	SLOP OIL TANK 1/WASTEWATER STORAGE TANK	73350
TK-14	SLOP OIL TANK 2/WASTEWATER STORAGE TANK	73350
TK-15	METHANOL STORAGE TANK	73350
TK-2	DIESEL TANK 2	73350
TK-20	USED OIL TANK	73350
TK-21	METHANOL TANK	73350
TK-22	METHANOL TANK	73350
TK-23	LUBE OIL TANK 3	73350
TK-24	GASOLINE TANK	73350
TK-25B	AMINE PRODUCED WATER TANK	106.352/02/27/2011
TK-26	METHANOL TANK	73350

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**
TK-3	SOLVENT TANK	73350
TK-4	LUBE OIL TANK 1	73350
TK-5	METHANOL TANK	73350
TK-6	LUBE OIL TANK 2	73350
TK-7	LIGHT OIL TANK	73350
TK-8	INFERIOR GAS 1/PRESSURIZED NGL/CONDENSATE TANK	66/11/05/1986
TK-9	INFERIOR GAS 2/PRESSURIZED NGL/CONDENSATE TANK	66/11/05/1986
TREATER	AMINE TREATING UNIT	66/11/05/1986

**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
RO ..... Responsible Official
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 Numbers 83193 and PSDTX1104					Issuance Date: December 16, 2024		
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**
BLR	Steam Boiler (7)	CO	0.34	1.36	5	5	5
		NOx	0.41	1.62			
		PM_{10}	0.03	0.12			
		SO_2	0.01	0.05			
		VOC	0.02	0.09			
TGI	Tail Gas Incinerator Unit	CO	2.22	9.73	3, 4, 6, 7, 8, 9,10, 11, 13, 14	3, 4, 6, 9, 10, 11, 13, 14	3, 10, 13, 14
		H_2S	0.04	0.17			
		NOx	0.58	2.56			
		PM_{10}	0.02	0.11			
		SO_2	81.58	323.13			
		VOC	0.06	0.24			
SRUFUG	SRU Piping Fugitives (5)	H_2S	0.26	1.13	10	10	10
		VOC	0.01	0.07			
SLR	Sulfur Truck Loading Rack	H_2S	0.09	0.02			
TGI-MSS	Tail Gas Incinerator Unit	CO	0.50	0.06			

Major NSR Summary Table

Permit Numbers 83193 and PSDTX1104					Issuance Date: December 16, 2024		
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**
	Planned MSS	NOx	0.10	0.01	15, 16	15, 16	
		PM_{10}	0.01	0.01			
		SO_2	666.7	4.00			
		VOC	0.01	0.01			
FLR1	Flare - Full SRU Planned Shutdown	CO	2.52	0.06	15, 17	15, 17	
		H_2S	6.01	0.14			
		NOx	0.46	0.01			
		SO_2	554.00	13.32			
		VOC	0.23	0.01			
FLR1	Flare - SRU Hot Stand-by	CO	78.82	1.59	15, 17	15, 17	
		H_2S	13.67	0.27			
		NOx	14.49	0.29			
		SO_2	1261.00	25.50			
		VOC	0.30	0.01			
BLR-MSS	Steam Boiler Planned MSS (6)	CO	0.34	0.13			
		NOx	0.41	0.15			

Major NSR Summary Table

Permit Numbers 83193 and PSDTX1104					Issuance Date: December 16, 2024		
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}	0.03	0.01		15	
		SO_2	0.01	0.01			
		VOC	0.02	0.01			
SRUFUGMS	SRU Vent to Atmosphere	SO_2 (5)	0.03	0.01	16, 18	15, 16	
FLR1	Flare – Alternative Operating Scenarios Cap (8)	CO	4.04	12.12	15, 17	15, 17	
		H_2S	7.96	0.40			
		NOx	0.47	1.41			
		SO_2	748.94	37.45			
		VOC	0.36	1.07			

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
(3) CO - carbon monoxide
NO_x - total oxides of nitrogen
PM_{10} - particulate matter (PM) equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
SO_2 - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
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) A maximum of 30 days of operation on a rolling 12-month basis.
(7) Limited at an average 12-month rolling firing rate of 33,590 MMBtu per year.
(8) Routing of acid gas waste stream from amine units to flare while SRU is down is limited to maximum of 100 hours per year

Texas Commission on Environmental Quality
Air Quality Permit

A Permit Is Hereby Issued To
IACX Rock Creek LLC
Authorizing the Construction and Operation of
Sneed Booster Station
Located at **Dumas, Moore County, Texas**
Latitude 35.8117 Longitude -101.6294

Permit: 83193 and PSDTX1104
Amendment Date: December 16, 2024
Expiration Date: July 13, 2028

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)]

8. **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]
9. **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)]
10. **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)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
12. **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)]
13. **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.
14. **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
$\mu g/m^3$ = 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 83193 and PSDTX1104

1. This permit authorizes emissions only from those points listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and the facilities covered by this permit are authorized to emit subject to the emission rate limits on that table and other operating requirements specified in the special conditions. (PSD)

2. Non-fugitive emissions from relief valves, safety valves, or rupture discs of gases containing hydrogen sulfide (H_2S) at a concentration of greater than 0.1 percent are not authorized by this permit unless authorized on the maximum allowable emission rates table (MAERT). Any releases directly to atmosphere from relief valves, safety valves, or rupture discs of gases containing H_2S at a concentration greater than 0.1 weight percent are not consistent with good practice for minimizing emissions.

FEDERAL RULES APPLICABILITY

3. These facilities shall comply with all applicable 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): **(12/24)**

   A. Subpart A, General Provisions.

   B. Subpart LLL, Standards of Performance for SO_2 Emissions From Onshore Natural Gas Processing for Which Construction, Reconstruction, or Modification Commenced After January 20, 1984, and on or Before August 23, 2011.

SULFUR RECOVERY UNIT

4. The total sulfur recovered from the Sulfur Recovery Unit (SRU) shall not exceed 30 long tons per day (LTPD). The minimum sulfur recovery efficiency for the SRU shall be 98.5 percent on a daily average when the sulfur production rate exceeds five LTPD. The minimum sulfur recovery efficiency for the SRU shall be 96.0 percent on a daily average when the sulfur production rate is less than or equal to five LTPD. The sulfur recovery efficiency shall be determined by calculation as follows: (PSD)

   Efficiency = (S recovered)*(100)/[(S recovered) + (S incinerator)]

   Where:

   Efficiency = sulfur recovery efficiency, percent

   S recovered = (elemental S in pit), lbs/day

   S incinerator = sulfur in incinerator stack, lbs/day

   The sulfur recovery efficiency shall be demonstrated for each calendar day (24-hour period) by a mass balance calculation using data obtained from the incinerator stack sulfur dioxide monitor and sulfur production records. Records and copies of the compliance calculations shall be maintained.

STEAM BOILER (BLR)

5. The steam boiler designated as Emission Point No. (EPN) BLR may be operated at up to a maximum fired duty of 4.25 MMBtu/hr with an annual average firing rate of 33,590 MMBtu/year in any rolling 12-month period. Monthly records shall be kept at the plant site on a rolling two-year basis. These records shall be updated by the fifteenth day of the following month to insure compliance with this representation. **(3/10)**

TAILGAS INCINERATOR (TGI)

6. Emissions from the sulfur pit shall be routed to the TGI. An enclosed vent collection system shall be installed at the liquid sulfur tank truck loading spot to collect hydrogen sulfide (H_2S) containing vent gas generated during liquid sulfur tank truck loading. The collected H_2S containing vent gas shall be directed to the TGI. The capture velocity at the enclosed vent collection system shall be a minimum of 150 feet per minute. (PSD) **(3/10)**

7. The TGI shall either operate with no less than 99.9 percent efficiency in disposing of the acid gas waste streams or operate with an exhaust H_2S concentration of less than five parts per million by volume (ppmv), corrected to 3 percent oxygen (O_2), on an hourly averaging period. Continuous compliance with this condition and the H_2S maximum allowable emission rate limit shall be demonstrated through compliance with the requirements in Special Conditions Nos. 9 and 11, or through the operation of a H_2S CEMS per Special Condition No. 15. (PSD)

8. There shall be no visible emissions from the TGI stack. (PSD)

9. Unless a H_2S CEMS is installed and operating per Special Condition No. 15, the TGI firebox exit temperature shall be continuously monitored and recorded. The temperature measurement device shall reduce the temperature readings to an averaging period of six minutes or less and record it at that frequency. The temperature monitor shall be installed, calibrated at least annually, and maintained according to the manufacturer's specifications. The device shall have an accuracy of ±2 percent of the temperature being measured. (PSD)

   Quality-assured (or valid) data must be generated when the TGI is operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the TGI operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded.

10. The following requirements apply to the acid gas collection systems used to route acid gas to the control devices designated as EPNs TGI and FLR1. **(12/24)**

    A. Once a month conduct a visual, audible, and/or olfactory inspection of the acid gas collection system to verify there are no leaking components in the capture system.

    B. The control devices (EPNs TGI and FLR1) shall not have a bypass.

       or

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

(1) Install a flow indicator that records and verifies zero flow at least once every 15 minutes immediately downstream of each valve that if opened would allow a vent stream to bypass the TGI or flare and be emitted, either directly or indirectly, to the atmosphere; or

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

A deviation shall be reported if the monitoring or inspections indicate bypass of the TGI or flare.

C. Records of the inspections required shall be maintained and if the results of any of the above inspections are not satisfactory, the permit holder shall promptly take necessary corrective action.

D. All acid gas waste streams from this facility shall be routed to the TGI under normal operating conditions. In the event the TGI is down, emissions shall be routed to the flare (FIN FLR1-AOS, EPN FLR1) as an alternative to disposing acid gas waste streams. The routing of waste streams from the SRU to the flare is limited to 6,000 hours per year. In the event that both the SRU and TGI are down, emissions shall be routed to the flare (FIN FLR1-AOS, EPN FLR1). The routing of acid gas waste streams from the amine units to the flare is limited to 100 hours per year. EPN TGI and FIN FLR1-AOS shall not operate simultaneously. Any other exception to this condition requires prior approval by the TCEQ Executive Director or designated representative, and such exceptions may be subject to strict monitoring requirements. **(12/24)**

11. Unless a H_2S CEMS is installed and operating per Special Condition No. 15, the TGI firebox exit temperature shall be maintained at not less than 1450°F and exhaust O_2 concentration not less than 3 percent while waste gas is being fed into it prior to initial stack testing. After the initial stack test has been completed, the TGI shall be operated with not less than the O_2 concentration maintained during the last satisfactory stack test performed in accordance with Special Condition No. 14.

The firebox chamber six-minute average temperature shall be maintained above the hourly average temperature maintained during the last satisfactory stack test performed in accordance with Special Condition No. 14. (PSD) **(3/10)**

FLARE (FLR1)

12. The flare shall be designed and operated in accordance with the following requirements: (PSD)

A. The flare system shall be designed such that the combined assist natural gas and waste stream to the 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. **(12/24)**

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 TCEQ 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. The time, date, and duration of any loss of pilot flame shall be recorded. Each

monitoring device shall be accurate to, and shall be calibrated at a frequency in accordance with, the manufacturer's specifications

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. The permit holder shall install a continuous flow monitor and H_2S concentration analyzer that provide a record of the vent stream flow and H_2S concentration to the flare. The flow monitor sensor and analyzer sample points shall be installed in the vent stream such that the total planned MSS and AOS vent streams to the flare are measured and analyzed. Readings shall be taken at least once every 15 minutes and the average hourly values of the flow and composition shall be recorded each hour. **(12/24)**

The monitors shall be calibrated on an annual basis to meet the following accuracy specifications: the flow monitor shall be ±5.0 percent, temperature monitor shall be ±2.0 percent at absolute temperature, and pressure monitor shall be ±5.0 mm Hg. The H_2S monitor shall meet the requirements of 40 CFR Part 60 Performance Specification 7. The monitors and analyzers shall operate as required by this section at least 95 percent of the time when the acid gas is directed to the flare, averaged over a rolling 12-month period.

Flared gas net heating value and actual exit velocity determined in accordance with 40 CFR § 60.18(f)(4) shall be recorded at least once every 15 minutes. Hourly mass emission rates shall be determined and recorded using the above readings and the emission factors used in the permit application. Flare emissions shall be calculated each month and the rolling 12-month flare emissions recorded

STACK SAMPLING

13. Sampling ports and platform(s) shall be incorporated into the design of the TGI (EPN TGI) according to the specifications set forth in the attachment entitled "Chapter 2, Stack Sampling Facilities" of the Texas Commission on Environmental Quality (TCEQ) Sampling Procedures Manual. Alternate sampling facility designs must be submitted for approval to the TCEQ Regional Director. **(12/24)** (PSD)

14. The permit holder shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the EPN TGI to demonstrate compliance with the MAERT and Special Condition No. 7. The permit holder is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense. Sampling shall be conducted in accordance with the appropriate procedures of the TCEQ Sampling Procedures Manual and the EPA Reference Methods. (PSD)

Requests to waive testing for any pollutant specified in this condition shall be submitted to the TCEQ Office of Air, Air Permits Division. Test waivers and alternate/equivalent procedure proposals for 40 CFR Part 60 testing which must have EPA approval shall be submitted to the TCEQ Regional Director. **(12/24)**

A. The appropriate TCEQ Regional Office shall be notified not less than 45 days prior to sampling. The notice shall include:

(1) Proposed 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) Description of any proposed deviation from the sampling procedures specified in this permit or TCEQ/EPA sampling procedures.

(7) Procedure/parameters to be monitored to determine worst case emissions during the sampling period.

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 the test reports. The TCEQ Regional Director must approve any deviation from specified sampling procedures.

B. Air contaminants emitted from EPN TGI to be tested for include (but are not limited to) H_2S, sulfur dioxide, carbon monoxide, and nitrogen oxides.

C. Sampling shall occur within 60 days after achieving the maximum operating rate, but no later than 180 days after initial start-up of the and at such other times as may be required by the TCEQ Executive Director. Requests for additional time to perform sampling shall be submitted to the appropriate TCEQ Regional Office.

D. The facility being sampled shall operate at the maximum possible sulfur production rate during stack emission testing. These conditions/parameters and any other primary operating parameters that affect the emission rate shall be monitored and recorded during the stack test. Any additional parameters shall be determined at the pretest meeting and shall be stated in the sampling report. Permit conditions and parameter limits may be waived during stack testing performed under this condition if the proposed condition/parameter range is identified in the test notice specified in paragraph A and accepted by the TCEQ Regional Office. Permit allowable emissions and emission control requirements are not waived and still apply during stack testing periods.

If a H_2S CEMS is not used to demonstrate continuous compliance with Special Condition No. 7 during any subsequent operations, a stack test must be performed within 120 days if the weekly sulfur production rate is more than 10 percent greater than that recorded during the most recent test period. This sampling may be waived by the TCEQ Air Section Manager for the region.

E. One copy of the final sampling report shall be forwarded to the appropriate TCEQ Regional Office within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions entitled “Chapter 14, Contents of Sampling Reports” of the TCEQ Sampling Procedures Manual.

CONTINUOUS EMISSION MONITORING SYSTEM (CEMS)

15. The permit holder shall install, calibrate, and maintain a CEMS to measure and record the in-stack concentration of sulfur dioxide and O_2 from the TGI or EPN TGI. If a H_2S CEMS is installed to demonstrate continuous compliance with Special Condition No. 7, it must be installed, calibrated, and maintained in accordance with this condition. (PSD)

A. The CEMS shall meet the design and performance specifications, pass the field tests, and meet the installation requirements and the data analysis and reporting requirements specified

in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B. If there are no applicable performance specifications in 40 CFR Part 60, Appendix B, contact the TCEQ Office of Permitting and Registration, Air Permits Division for requirements to be met.

B. The permit holder shall assure that the CEMS meets the applicable quality-assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1. Relative accuracy exceedances, as specified in 40 CFR Part 60, Appendix F, § 5.2.3 and any CEMS downtime shall be reported to the appropriate TCEQ Regional Manager, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Manager.

C. The TGI exhaust stack flow rate shall be continuously monitored and recorded. The flow shall be recorded at least every 15 minutes and the hourly average flow rate shall be recorded. Each flow monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, or at least annually, whichever is more frequent, and shall be accurate to within 2 percent of span or 5 percent of the lesser of the design value or the flow measured during the most recent stack test.

D. The monitoring data shall be reduced to hourly average concentrations at least once each day, using a minimum of four equally-spaced data points from each one-hour period. The individual average concentrations shall be reduced to units of pounds per hour at least once every week as follows:

The measured hourly average concentration from the CEMS shall be multiplied by the exhaust gas flow rate to determine the hourly emission rate. If a H_2S CEMS is installed to demonstrate continuous compliance with Special Condition No. 7, the hourly average CEMS readings shall be utilized to demonstrate continuous compliance with Special Condition No. 7 and the H_2S maximum allowable emission rate.

E. All monitoring data and quality-assurance data shall be maintained by the source. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit.

F. The appropriate TCEQ Regional Office shall be notified at least 30 days prior to any required RATA in order to provide them the opportunity to observe the testing.

G. Quality-assured (or valid) data must be generated when the TGI is operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the TGI operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded. Options to increase system reliability to an acceptable value, including a redundant CEMS, may be required by the TCEQ Regional Manager.

PLANNED MAINTENANCE, START-UP, AND SHUTDOWN

16. This permit authorizes the emissions from the TGI (EPN TGI), Facility Flare (EPN FLR1), Steam Boiler (EPN BLR), and SRU (EPN SRUFUGMSS) for the planned maintenance, start-up, and shutdown (MSS) of the SRU. Planned MSS activities that were not represented in the permit application are not authorized by this permit. The performance of each planned maintenance activity and the emissions associated with it shall be recorded and include at least the following information: (PSD)

A. The physical location at which emissions from the planned MSS activity occurred, including the emission point number, common name, and any other identifier for the point at which the emissions were released into the atmosphere;

B. The type of planned MSS activity and the reason for the planned activity;

C. The date and time of the planned MSS 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 shall be estimated using the methods identified in the permit application, consistent with good engineering practice, as identified below.

FLR1:Measured flare stream flow rate, measured H_2S concentration, and estimated/measured acid gas VOC concentration to determine flow to flare and net heating value. Use 98 percent flare destruction efficiency and TCEQ flare factors for CO and NO_x.

BLR: Fuel flow rate and duration of firing for a maximum of 30 days in any rolling 12-month period at a maximum fired duty of 4.25 MMBtu per hour. **(3/10)**

TGI: Measured SO_2 emissions using CEMS

17. The SRU shall be depressurized, emptied and degassed in accordance with the following requirements. (PSD)

A. A sulfur purge (catalyst bed burnoff) shall be performed on the SRU prior to opening it to atmosphere. The sulfur dioxide concentration in the gas entering the TGI shall be confirmed to be less than 100 ppmv using a colormetric gas detector tube and the value recorded prior to stopping the purge and venting the SRU to atmosphere. The sulfur dioxide CEMS and flow meter shall be used to determine the emissions during the sulfur purge.

B. The sulfur purge shall not be performed if acid gas is being flared at a flare stream sulfur load of greater than 3 LTPD.

18. If the SRU planned MSS will require a full SRU shutdown, the SRU shall continue to operate and process acid gas until the sulfur production drops to 3 LTPD on an hourly average, at which time flaring may commence and the SRU shutdown. Flaring may continue for no more than 24 hours during SRU shutdown. Acid gas flaring may occur during SRU start-up for a period not to exceed 24 hours. (PSD)

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 83193 and PSDTX1104

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.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY (4)
BLR	Steam Boiler (7)	CO	0.34	1.36
		NOx	0.41	1.62
		PM_{10}	0.03	0.12
		SO_2	0.01	0.05
		VOC	0.02	0.09
TGI	Tail Gas Incinerator Unit	CO	2.22	9.73
		H_2S	0.04	0.17
		NOx	0.58	2.56
		PM_{10}	0.02	0.11
		SO_2	81.58	323.13
		VOC	0.06	0.24
SRUFUG	SRU Piping Fugitives (5)	H_2S	0.26	1.13
		VOC	0.01	0.07
SLR	Sulfur Truck Loading Rack	H_2S	0.09	0.02
TGI-MSS	Tail Gas Incinerator Unit Planned MSS	CO	0.50	0.06
		NOx	0.10	0.01
		PM_{10}	0.01	0.01
		SO_2	666.7	4.00
		VOC	0.01	0.01
FLR1	Flare - Full SRU Planned Shutdown	CO	2.52	0.06
		H_2S	6.01	0.14
		NOx	0.46	0.01

Emission Sources - Maximum Allowable Emission Rates

		SO_2	554.00	13.32
		VOC	0.23	0.01
FLR1	Flare - SRU Hot Stand-by	CO	78.82	1.59
		H_2S	13.67	0.27
		NOx	14.49	0.29
		SO_2	1261.00	25.50
		VOC	0.30	0.01
BLR-MSS	Steam Boiler Planned MSS (6)	CO	0.34	0.13
		NOx	0.41	0.15
		PM_{10}	0.03	0.01
		SO_2	0.01	0.01
		VOC	0.02	0.01
SRUFUGMS	SRU Vent to Atmosphere	SO_2 (5)	0.03	0.01
FLR1	Flare – Alternative Operating Scenarios Cap (8)	CO	4.04	12.12
		H_2S	7.96	0.40
		NOx	0.47	1.41
		SO_2	748.94	37.45
		VOC	0.36	1.07

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
(3) CO - carbon monoxide
NO_x - total oxides of nitrogen
PM_{10} - particulate matter (PM) equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
SO_2 - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
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) A maximum of 30 days of operation on a rolling 12-month basis.

Emission Sources - Maximum Allowable Emission Rates

(7) Limited at an average 12-month rolling firing rate of 33,590 MMBtu per year.
(8) Routing of acid gas waste stream from amine units to flare while SRU is down is limited to maximum of 100 hours per year.

Date: December 16, 2024