FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Buckeye Texas Processing LLC

AUTHORIZING THE OPERATION OF
EF90 Corpus Christi Facility
Corpus Christi Refining
Petroleum Refineries

LOCATED AT
Nueces County, Texas
Latitude 27° 49′ 7″ Longitude 97° 30′ 14″
Regulated Entity Number: RN106620438

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: O3869 Issuance Date: _____

_____
For the Commission

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General Terms and Conditions

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

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

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

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

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

Special Terms and Conditions:

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

1. Permit holder shall comply with the following requirements:

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

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

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

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

E. Emission units subject to 40 CFR Part 63, 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. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

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

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

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

4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: “Storage of Volatile Organic Compounds,” the permit holder shall comply with the requirements of 30 TAC § 115.112(b)(1).

5. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter D requirements:

A. Title 30 TAC § 115.312(b)(1) (relating to Control Requirements), for emissions during Process Unit Shutdown or Turnaround

6. 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)

7. For petroleum refinery facilities subject to 40 CFR Part 60, Subpart QQQ, the permit holder shall comply with the following requirements:

   A. Title 40 CFR § 60.692-1(a) - (c) (relating to Standards: General)

   B. Title 40 CFR § 60.692-2(a) - (c), (e) (relating to Standards: Individual Drain Systems)

   C. Title 40 CFR § 60.692-6(a) - (b) (relating to Standards: Delay of Repair)

   D. Title 40 CFR § 60.692-7(a) - (b) (relating to Standards: Delay of Compliance)

   E. Title 40 CFR § 60.693-1(a) - (d), (e)(1) - (3) (relating to Alternative Standards for Individual Drain Systems)

   F. Title 40 CFR § 60.697(a), (b)(1) - (3) (relating to Recordkeeping Requirements), as applicable to Individual Drain Systems

   G. Title 40 CFR § 60.697(f)(1) - (2), (g) (relating to Recordkeeping Requirements), as applicable to Individual Drain Systems

   H. Title 40 CFR § 60.697(h) (relating to Recordkeeping Requirements), as applicable to excluded Stormwater Sewer Systems

   I. Title 40 CFR § 60.697(i) (relating to Recordkeeping Requirements), as applicable to excluded Ancillary Equipment

   J. Title 40 CFR § 60.697(j) (relating to Recordkeeping Requirements), as applicable to excluded Non-contact Cooling Water Systems

   K. Title 40 CFR § 60.698(a), and (b)(1) (relating to Reporting Requirements), as applicable to Individual Drain Systems

   L. Title 40 CFR § 60.698(c) (relating to Reporting Requirements), for water seal breaches in Drain Systems

   M. Title 40 CFR § 60.698(e) (relating to Reporting Requirements), as applicable to Individual Drain Systems

8. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:

   A. Title 40 CFR § 61.05 (relating to Prohibited Activities)

   B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)

   C. Title 40 CFR § 61.09 (relating to Notification of Start-up)

   D. Title 40 CFR § 61.10 (relating to Source Reporting and Request Waiver)

   E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)

   F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)

G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)

H. Title 40 CFR § 61.15 (relating to Modification)

I. Title 40 CFR § 61.19 (relating to Circumvention)

9. For facilities where total annual benzene quantity from waste is greater than or equal to 1 megagram per year and less than 10 megagrams per year and subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:

A. Title 40 CFR § 61.355(a)(1)(iii), (a)(2), (a)(4)(i) - (ii), (a)(6), (b), and (c)(1) - (3) (relating to Test Methods, Procedures, and Compliance Provisions), for calculation procedures

B. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)

C. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)

D. Title 40 CFR § 61.357(a), and (c) (relating to Reporting Requirements)

10. 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.

11. 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

12. 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

13. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule (including the terms, conditions, monitoring, recordkeeping, and reporting identified in registered PBRs and permits by rule identified in the PBR Supplemental Tables dated February 3, 2025 in the

application for project 37627), 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

14. 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.

15. 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

16. 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.

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

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

(i) Title 30 TAC Chapter 115

(ii) Title 30 TAC Chapter 117

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

(iv) Temporarily exceed state NSR permit allowables

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

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

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

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

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

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

Risk Management Plan

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

Protection of Stratospheric Ozone

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

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

Alternative Requirements

20. The permit holder shall comply with the approved alternative means of control (AMOC); alternative monitoring, recordkeeping, or reporting requirements; or requirements determined to be equivalent to an otherwise applicable requirement contained in the Alternative Requirements attachment of this permit. Units complying with an approved alternative requirement have reference to the approval in the Applicable Requirements summary listing for the unit. The permit holder shall maintain the original documentation, from the TCEQ Executive Director, demonstrating the method or limitation utilized. Documentation shall be maintained and made available in accordance with 30 TAC § 122.144.

Permit Location

21. 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)

22. 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

Alternative Requirement

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
BOILER1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60DC-01	40 CFR Part 60, Subpart Dc	No changing attributes.
BOILER2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60DC-01	40 CFR Part 60, Subpart Dc	No changing attributes.
BOILER3	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60DC-01	40 CFR Part 60, Subpart Dc	No changing attributes.
BTLLOAD	LOADING/UNLOADING OPERATIONS	N/A	115C1-01	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
DIESLOAD	LOADING/UNLOADING OPERATIONS	N/A	115C1-02	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
EMRGEN1	SRIC ENGINES	N/A	60IIII-01	40 CFR Part 60, Subpart IIII	No changing attributes.
EMRGEN1	SRIC ENGINES	N/A	63ZZZZ-02	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EMRGEN2A	SRIC ENGINES	N/A	60IIII-02	40 CFR Part 60, Subpart IIII	No changing attributes.
EMRGEN2A	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EMRGEN2B	SRIC ENGINES	N/A	60IIII-04	40 CFR Part 60, Subpart IIII	No changing attributes.
EMRGEN2B	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EMRGEN3A	SRIC ENGINES	N/A	60IIII-03	40 CFR Part 60, Subpart IIII	No changing attributes.
EMRGEN3A	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EMRGEN3B	SRIC ENGINES	N/A	60IIII-03	40 CFR Part 60, Subpart IIII	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
EMRGEN3B	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EMRGEN3C	SRIC ENGINES	N/A	60IIII-03	40 CFR Part 60, Subpart IIII	No changing attributes.
EMRGEN3C	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EMRGEN4	SRIC ENGINES	N/A	60IIII-02	40 CFR Part 60, Subpart IIII	No changing attributes.
EMRGEN4	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
EMRGEN6	SRIC ENGINES	N/A	60IIII-03	40 CFR Part 60, Subpart IIII	No changing attributes.
EMRGEN6	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FLARE	FLARES	N/A	111A-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FLARE	FLARES	N/A	60A-02	40 CFR Part 60, Subpart A	No changing attributes.
FLARE	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60JA-02	40 CFR Part 60, Subpart Ja	No changing attributes.
FLARE1	FLARES	N/A	111A-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FLARE1	FLARES	N/A	60A-01	40 CFR Part 60, Subpart A	No changing attributes.
FLARE1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60JA-02	40 CFR Part 60, Subpart Ja	No changing attributes.
FWP2	SRIC ENGINES	N/A	60IIII-05	40 CFR Part 60, Subpart IIII	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
FWP2	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FWP3	SRIC ENGINES	N/A	60IIII-05	40 CFR Part 60, Subpart IIII	No changing attributes.
FWP3	SRIC ENGINES	N/A	63ZZZZ-03	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FWP4	SRIC ENGINES	N/A	60IIII-05	40 CFR Part 60, Subpart IIII	No changing attributes.
FWP4	SRIC ENGINES	N/A	63ZZZZ-02	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FWP5	SRIC ENGINES	N/A	60IIII-05	40 CFR Part 60, Subpart IIII	No changing attributes.
FWP5	SRIC ENGINES	N/A	63ZZZZ-02	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-FUG	FUGITIVE EMISSION UNITS	ATM1, ATM2, FUG, FUG1	115D2-01	30 TAC Chapter 115, Fugitives Pet Ref B Counties	No changing attributes.
GRP-FUG	FUGITIVE EMISSION UNITS	ATM1, ATM2, FUG, FUG1	60GGGa-01	40 CFR Part 60, Subpart GGGa	No changing attributes.
HEATER1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60JA-01	40 CFR Part 60, Subpart Ja	No changing attributes.
HEATER2	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60JA-01	40 CFR Part 60, Subpart Ja	No changing attributes.
TK-1001	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-1001	STORAGE TANKS/VESSELS	N/A	60KB-01	40 CFR Part 60, Subpart Kb	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
TK-1002	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-1002	STORAGE TANKS/VESSELS	N/A	60KB-01	40 CFR Part 60, Subpart Kb	No changing attributes.
TK-1003	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-1003	STORAGE TANKS/VESSELS	N/A	60KB-01	40 CFR Part 60, Subpart Kb	No changing attributes.
TK-1004	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-1004	STORAGE TANKS/VESSELS	N/A	60KB-01	40 CFR Part 60, Subpart Kb	No changing attributes.
TK-1005	STORAGE TANKS/VESSELS	N/A	115B1-01	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
TK-1005	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
TK-1005	STORAGE TANKS/VESSELS	N/A	60KB-01	40 CFR Part 60, Subpart Kb	No changing attributes.
TK-1006	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-1006	STORAGE TANKS/VESSELS	N/A	60KB-01	40 CFR Part 60, Subpart Kb	No changing attributes.
TK-2001	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
TK-2001	STORAGE TANKS/VESSELS	N/A	60KB-01	40 CFR Part 60, Subpart Kb	No changing attributes.
TK-2002	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-2002	STORAGE TANKS/VESSELS	N/A	60KB-01	40 CFR Part 60, Subpart Kb	No changing attributes.
TK-2003	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-2003	STORAGE TANKS/VESSELS	N/A	60KB-01	40 CFR Part 60, Subpart Kb	No changing attributes.
TK-2004	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-2004	STORAGE TANKS/VESSELS	N/A	60KB-01	40 CFR Part 60, Subpart Kb	No changing attributes.
TK-2601A	STORAGE TANKS/VESSELS	N/A	115B1-03	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-2601A	STORAGE TANKS/VESSELS	N/A	60KB-02	40 CFR Part 60, Subpart Kb	No changing attributes.
TK-2601B	STORAGE TANKS/VESSELS	N/A	115B1-03	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-2601B	STORAGE TANKS/VESSELS	N/A	60KB-02	40 CFR Part 60, Subpart Kb	No changing attributes.
TK-2602	STORAGE TANKS/VESSELS	N/A	115B1-03	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-2602	STORAGE TANKS/VESSELS	N/A	60KB-02	40 CFR Part 60, Subpart Kb	No changing attributes.
TK-3001	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
TK-3001	STORAGE TANKS/VESSELS	N/A	60KB-01	40 CFR Part 60, Subpart Kb	No changing attributes.
TK-3002	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-3002	STORAGE TANKS/VESSELS	N/A	60KB-01	40 CFR Part 60, Subpart Kb	No changing attributes.
TK-3003	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-3003	STORAGE TANKS/VESSELS	N/A	60KB-01	40 CFR Part 60, Subpart Kb	No changing attributes.
TK-3004	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-3004	STORAGE TANKS/VESSELS	N/A	60KB-01	40 CFR Part 60, Subpart Kb	No changing attributes.
TK-3005	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-3005	STORAGE TANKS/VESSELS	N/A	60KB-01	40 CFR Part 60, Subpart Kb	No changing attributes.
TK-6001	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-6002	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-6003	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-6004	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-6005	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
TK-6006	STORAGE TANKS/VESSELS	N/A	115B1-02	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TT-LLOAD	LOADING/UNLOADING OPERATIONS	N/A	115C1-01	30 TAC Chapter 115, Loading and Unloading of VOC	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)
BOILER1	EU	60DC-01	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)
BOILER1	EU	60DC-01	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)
BOILER1	EU	60DC-01	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)
BOILER2	EU	60DC-01	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)
BOILER2	EU	60DC-01	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)
BOILER2	EU	60DC-01	SO_2	40 CFR Part 60,	§ 60.40c(a)	This subpart applies to each	None	§ 60.48c(g)(1)	[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)
				Subpart Dc		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).		§ 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	
BOILER3	EU	60DC-01	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)
BOILER3	EU	60DC-01	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)
BOILER3	EU	60DC-01	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)
BTLLOAD	EU	115C1-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(4) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	All loading and unloading of crude oil, condensate, and liquefied petroleum gas is exempt from the requirements of the division (relating to Loading and Unloading of Volatile Organic Compounds), except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i)	§ 115.216 § 115.216(3)(A) § 115.216(3)(A)(ii) § 115.216(3)(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)
DIESLOAD	EU	115C1-02	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia under actual storage conditions is exempt from the requirements of the division (relating to Loading and Unloading of VOCs), except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
EMRGEN1	EU	60IIII-01	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 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 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMRGEN1	EU	60IIII-01	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.			
EMRGEN1	EU	60IIII-01	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 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 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMRGEN1	EU	60IIII-01	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039.105(b)(1) § 1039.105(b)(2) § 1039.105(b)(3) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2), and 40 CFR 1039.105(b)(1)-(3).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
EMRGEN1	EU	63ZZZZ-02	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
EMRGEN2A	EU	60IIII-02	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1042.101 § 60.4202(f)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a displacement of greater than or equal to 10 liters per cylinder and less than 30 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(e)-(f), 40 CFR 1042.101, and 40 CFR 1042-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMRGEN2A	EU	60IIII-02	HC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1042.101 § 60.4202(f)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power less than 600 KW and a displacement of	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4211(c) [G]§ 60.4211(f)	greater than or equal to 15 liters per cylinder and less than 20 liters per cylinder and is a 2014 model year and later must comply with an HC+NOx emission limit of 6.2 g/KW-hr, as stated in 40 CFR 60.4202(f)(2) and 40 CFR 1042.101.			
EMRGEN2A	EU	60IIII-02	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1042.101 § 60.4202(f)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power less than 600 KW and a displacement of greater than or equal to 15 liters per cylinder and less than 20 liters per cylinder and is a 2014 model year and later must comply with a PM emission limit of 0.14 g/KW-hr, as stated in 40 CFR 60.4202(f)(2) and 40 CFR 1042.101.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMRGEN2A	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	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						applicable. No further requirements apply for such engines under this part.			
EMRGEN2B	EU	60IIII-04	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	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 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMRGEN2B	EU	60IIII-04	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMRGEN2B	EU	60IIII-04	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	engine power greater than or equal to 75 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 PM emission limit of 0.30 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.			
EMRGEN2B	EU	60IIII-04	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039.105(b)(1) § 1039.105(b)(2) § 1039.105(b)(3) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2), and 40 CFR 1039.105(b)(1)-(3).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMRGEN2B	EU	63ZZZZ-01	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	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						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.			
EMRGEN3A	EU	60IIII-03	NO_X	40 CFR Part 60, Subpart IIII	[G]§ 60.4205(d)(2) § 60.4206 § 60.4207(d) § 60.4211(d) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE with a displacement of greater than or equal to 30 liters per cylinder and was installed on or after 01/01/2012 must comply with the following NOx emission limits: 14.4 g/KW-hr when maximum engine speed is less than 130 rpm, 44.0 x N-0.23 when maximum engine speed is at least 130 but less than 2000 rpm, and 7.7 g/KW-hr when maximum engine speed is 2000 rpm or more.	§ 60.4209(a) § 60.4211(d)(1) § 60.4213(a) § 60.4213(b) § 60.4213(c) § 60.4213(e)	[G]§ 60.4211(d)(2) § 60.4214(b)	[G]§ 60.4211(d)(2) [G]§ 60.4214(d)
EMRGEN3A	EU	60IIII-03	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(d)(3) § 60.4206 § 60.4207(d) § 60.4211(d) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE with a displacement of greater than or equal to 30 liters per cylinder must comply with a PM emission limit of 0.40 g/KW-hr.	§ 60.4209(a) § 60.4211(d)(1) § 60.4213(a) § 60.4213(b) § 60.4213(c) § 60.4213(f)	[G]§ 60.4211(d)(2) § 60.4214(b)	[G]§ 60.4211(d)(2) [G]§ 60.4214(d)
EMRGEN3A	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)	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						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.			
EMRGEN3B	EU	60IIII-03	NO_X	40 CFR Part 60, Subpart IIII	[G]§ 60.4205(d)(2) § 60.4206 § 60.4207(d) § 60.4211(d) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE with a displacement of greater than or equal to 30 liters per cylinder and was installed on or after 01/01/2012 must comply with the following NOx emission limits: 14.4 g/KW-hr when maximum engine speed is less than 130 rpm, 44.0 x N-0.23 when maximum engine speed is at least 130 but less than 2000 rpm, and 7.7 g/KW-hr when maximum engine speed is 2000 rpm or more.	§ 60.4209(a) § 60.4211(d)(1) § 60.4213(a) § 60.4213(b) § 60.4213(c) § 60.4213(e)	[G]§ 60.4211(d)(2) § 60.4214(b)	[G]§ 60.4211(d)(2) [G]§ 60.4214(d)
EMRGEN3B	EU	60IIII-03	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(d)(3) § 60.4206 § 60.4207(d) § 60.4211(d) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE with a displacement of greater than or equal to 30 liters per cylinder must comply with a PM emission limit of 0.40 g/KW-hr.	§ 60.4209(a) § 60.4211(d)(1) § 60.4213(a) § 60.4213(b) § 60.4213(c) § 60.4213(f)	[G]§ 60.4211(d)(2) § 60.4214(b)	[G]§ 60.4211(d)(2) [G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
EMRGEN3B	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
EMRGEN3C	EU	60IIII-03	NO_X	40 CFR Part 60, Subpart IIII	[G]§ 60.4205(d)(2) § 60.4206 § 60.4207(d) § 60.4211(d) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE with a displacement of greater than or equal to 30 liters per cylinder and was installed on or after 01/01/2012 must comply with the following NOx emission limits: 14.4 g/KW-hr when maximum engine speed is less than 130 rpm, 44.0 x N-0.23 when maximum engine speed is at least 130 but less than 2000 rpm, and 7.7 g/KW-hr when maximum engine speed is 2000 rpm or more.	§ 60.4209(a) § 60.4211(d)(1) § 60.4213(a) § 60.4213(b) § 60.4213(c) § 60.4213(e)	[G]§ 60.4211(d)(2) § 60.4214(b)	[G]§ 60.4211(d)(2) [G]§ 60.4214(d)
EMRGEN3C	EU	60IIII-03	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(d)(3) § 60.4206 § 60.4207(d) § 60.4211(d)	Owners and operators of emergency stationary CI ICE with a displacement of greater than or equal to 30	§ 60.4209(a) § 60.4211(d)(1) § 60.4213(a) § 60.4213(b)	[G]§ 60.4211(d)(2) § 60.4214(b)	[G]§ 60.4211(d)(2) [G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.4211(f)	liters per cylinder must comply with a PM emission limit of 0.40 g/KW-hr.	§ 60.4213(c) § 60.4213(f)		
EMRGEN3C	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
EMRGEN4	EU	60IIII-02	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1042.101 § 60.4202(f)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a displacement of greater than or equal to 10 liters per cylinder and less than 30 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(e)-(f), 40 CFR 1042.101, and 40 CFR 1042-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMRGEN4	EU	60IIII-02	HC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1042.101 § 60.4202(f)(2)	Owners and operators of emergency stationary CI ICE, that are not fire pump	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	engines, with a maximum engine power less than 600 KW and a displacement of greater than or equal to 15 liters per cylinder and less than 20 liters per cylinder and is a 2014 model year and later must comply with an HC+NOx emission limit of 6.2 g/KW-hr, as stated in 40 CFR 60.4202(f)(2) and 40 CFR 1042.101.			
EMRGEN4	EU	60IIII-02	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1042.101 § 60.4202(f)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power less than 600 KW and a displacement of greater than or equal to 15 liters per cylinder and less than 20 liters per cylinder and is a 2014 model year and later must comply with a PM emission limit of 0.14 g/KW-hr, as stated in 40 CFR 60.4202(f)(2) and 40 CFR 1042.101.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMRGEN4	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	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
EMRGEN6	EU	60IIII-03	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 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 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMRGEN6	EU	60IIII-03	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
EMRGEN6	EU	60IIII-03	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 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 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMRGEN6	EU	60IIII-03	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039.105(b)(1) § 1039.105(b)(2) § 1039.105(b)(3) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2), and 40 CFR 1039.105(b)(1)-(3).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
EMRGEN6	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	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						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.			
FLARE	CD	111A-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
FLARE	CD	60A-02	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
FLARE	EU	60JA-02	Hydrogen Sulfide	40 CFR Part 60, Subpart Ja	§ 60.103a(h) [G]§ 60.103a(a) [G]§ 60.103a(b) § 60.103a(c) [G]§ 60.103a(c)(1) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(2) § 60.103a(d)(3) § 60.103a(d)(5)	Each owner or operator shall not burn in any affected flare any fuel gas that contains H2S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis. The combustion in a flare of process upset gases or fuel gas that is released to the	[G]§ 60.103a(a) § 60.104a(a) § 60.104a(c) [G]§ 60.104a(j) § 60.107a(a) § 60.107a(a)(2) § 60.107a(a)(2)(i) § 60.107a(a)(2)(ii) § 60.107a(a)(2)(iii) § 60.107a(a)(2)(iv)	§ 60.108a(c) § 60.108a(c)(1) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	[G]§ 60.103a(b) [G]§ 60.108a(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.103a(e)	flare as a result of relief valve leakage or other emergency malfunctions is exempt from this limit.	§ 60.107a(a)(2)(v) § 60.107a(e) [G]§ 60.107a(e)(1) [G]§ 60.107a(e)(2) § 60.107a(e)(3) [G]§ 60.107a(f) § 60.107a(i) § 60.107a(i)(2)(i)		
FLARE1	CD	111A-01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
FLARE1	CD	60A-01	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(ii) § 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
FLARE1	EU	60JA-02	Hydrogen Sulfide	40 CFR Part 60, Subpart Ja	§ 60.103a(h) [G]§ 60.103a(a) [G]§ 60.103a(b) § 60.103a(c) [G]§ 60.103a(c)(1) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(2) § 60.103a(d)(3) § 60.103a(d)(5) [G]§ 60.103a(e) [G]§ 60.107a(b) [G]§ 60.107a(e)(4)	Each owner or operator shall not burn in any affected flare any fuel gas that contains H2S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis. The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this limit.	[G]§ 60.103a(a) § 60.104a(a) § 60.104a(c) [G]§ 60.104a(j) [G]§ 60.107a(a)(3) § 60.107a(a)(4) § 60.107a(i) § 60.107a(i)(2)(ii)	§ 60.108a(c) § 60.108a(c)(1) § 60.108a(c)(5) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	[G]§ 60.103a(b) [G]§ 60.108a(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FWP2	EU	60IIII-05	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as listed in Table 4 to this subpart.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
FWP2	EU	60IIII-05	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as listed in Table 4 to this subpart.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
FWP2	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	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						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.			
FWP3	EU	60IIII-05	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as listed in Table 4 to this subpart.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
FWP3	EU	60IIII-05	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as listed in Table 4 to this subpart.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
FWP3	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	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						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.			
FWP4	EU	60IIII-05	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as listed in Table 4 to this subpart.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
FWP4	EU	60IIII-05	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						must comply with a PM emission limit of 0.20 g/KW-hr, as listed in Table 4 to this subpart.			
FWP4	EU	63ZZZZ-02	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
FWP5	EU	60IIII-05	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as listed in Table 4 to this subpart.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
FWP5	EU	60IIII-05	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b)	Owners and operators of emergency stationary fire pump CI ICE with a	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as listed in Table 4 to this subpart.			
FWP5	EU	63ZZZZ-02	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
GRP-FUG	EU	115D2-01	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No pump seal may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(A) § 115.324(3) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
GRP-FUG	EU	115D2-01	VOC	30 TAC Chapter 115, Fugitives Pet Ref B	§ 115.322(1) § 115.322(2) § 115.322(3)	No connector, as described in § 115.327(3) or (5), may be allowed to have a VOC	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				Counties	§ 115.327(3)	leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).			
GRP-FUG	EU	115D2-01	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(5)	No pressure relief valve in gaseous service may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(C) § 115.324(4) § 115.324(5) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
GRP-FUG	EU	115D2-01	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(5)	No pressure relief valve in gaseous service, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
GRP-FUG	EU	115D2-01	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4)	No elevated valve may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(D) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
GRP-FUG	EU	115D2-01	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(3) § 115.327(5)	No elevated valve, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-FUG	EU	115D2-01	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No compressor seal may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(A) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
GRP-FUG	EU	115D2-01	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3) § 115.327(6)	No compressor seal, as described in § 115.327(3), (5) or (6), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
GRP-FUG	EU	115D2-01	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No process drain may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(C) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
GRP-FUG	EU	115D2-01	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No process drain, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
GRP-FUG	EU	115D2-01	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4)	No valve in liquid service may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-FUG	EU	115D2-01	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(3) § 115.327(5)	No valve in liquid service, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
GRP-FUG	EU	115D2-01	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.327(1)	Valves of nominal size of 2" (5 cm) or less are exempt, provided allowable emissions from sources affected by this division after controls are applied with exemptions will not exceed by more than 5.0% such allowable emissions with no exemptions.	None	None	§ 115.327(1)(A) § 115.327(1)(B) § 115.327(1)(C)
GRP-FUG	EU	115D2-01	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No pump seal, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
GRP-FUG	EU	115D2-01	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No connector may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
GRP-FUG	EU	115D2-01	VOC	30 TAC Chapter 115, Fugitives Pet Ref B	§ 115.322(1) § 115.322(2) § 115.322(3)	No valve (gaseous service), as described in § 115.327(3) or (5), may be	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				Counties	§ 115.322(4) § 115.327(5)	allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).			
GRP-FUG	EU	115D2-01	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.322(5)	No valve (gaseous service) may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
GRP-FUG	EU	60GGGa-01	VOC	40 CFR Part 60, Subpart GGGa	§ 60.593a(g) § 60.482-11a(b)(2) § 60.482-11a(b)(3) § 60.482-11a(d) [G]§ 60.482-11a(e) [G]§ 60.482-11a(f)(1) § 60.482-11a(f)(2) § 60.482-11a(g) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(c) § 60.482-9a(f) § 60.485a(b) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Connectors in gas/vapor or light liquid service are exempt from the requirements in §60.482-11a, provided the owner or operator complies with §60.482-8a for all connectors, not just those in heavy liquid service.	§ 60.482-11a(a) § 60.482-11a(b) § 60.482-11a(b)(1) § 60.482-11a(b)(3) § 60.482-11a(b)(3)(i) § 60.482-11a(b)(3)(ii) [G]§ 60.482-11a(b)(3)(iii) § 60.482-11a(b)(3)(iv) § 60.482-11a(c) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-11a(b)(3)(v) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8) § 60.486a(e)(9) § 60.486a(f) § 60.486a(f)(1)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(5) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(i) § 60.487a(c)(2)(vii) § 60.487a(c)(2)(viii) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRP-FUG	EU	60GGGa-01	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.18 § 60.482-10a(a) § 60.482-10a(d) § 60.482-10a(m) § 60.482-1a(a) § 60.482-1a(b)	Comply with the requirements as stated in §60.482-10a for flares.	§ 60.482-10a(e) § 60.482-1a(g) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d)	§ 60.482-1a(g) § 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-1a(g) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)		[G]§ 60.485a(g) § 60.593a(d)		§ 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRP-FUG	EU	60GGGa-01	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-10a(a) § 60.482-10a(b) § 60.482-10a(m) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-10a for vapor recovery systems.	§ 60.482-10a(e) § 60.482-1a(g) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRP-FUG	EU	60GGGa-01	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-2a(c)(2) [G]§ 60.482-7a(e) § 60.482-8a(a) § 60.482-8a(a)(2) § 60.482-8a(b) [G]§ 60.482-8a(c) § 60.482-8a(d) § 60.482-9a(a)	Comply with the requirements as stated in §60.482-8a for connectors in heavy liquid service.	§ 60.482-1a(g) § 60.482-8a(a)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9a(b) [G]§ 60.482-9a(c) § 60.482-9a(f) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)				
GRP-FUG	EU	60GGGa-01	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-2a(c)(2) [G]§ 60.482-7a(e) § 60.482-8a(a) § 60.482-8a(a)(2) § 60.482-8a(b) [G]§ 60.482-8a(c) § 60.482-8a(d) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(c) § 60.482-9a(e) § 60.482-9a(f) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-8a for valves in heavy liquid service.	§ 60.482-1a(g) § 60.482-8a(a)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRP-FUG	EU	60GGGa-01	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-2a(b)(1)	Comply with the requirements as stated in §60.482-2a for pumps in light liquid service.	§ 60.482-1a(f)(1) § 60.482-1a(f)(2) [G]§ 60.482-1a(f)(3) § 60.482-1a(g) § 60.482-2a(a)(1)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(3) § 60.487a(c)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-2a(b)(2) § 60.482-2a(b)(2)(ii) § 60.482-2a(c)(1) [G]§ 60.482-2a(c)(2) § 60.482-2a(d) [G]§ 60.482-2a(d)(1) § 60.482-2a(d)(2) § 60.482-2a(d)(3) [G]§ 60.482-2a(d)(6) [G]§ 60.482-2a(e) § 60.482-2a(f) [G]§ 60.482-2a(g) § 60.482-2a(h) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(d) § 60.482-9a(f) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)		§ 60.482-2a(a)(2) § 60.482-2a(b)(2)(i) [G]§ 60.482-2a(d)(4) [G]§ 60.482-2a(d)(5) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) § 60.486a(e)(7) [G]§ 60.486a(e)(8) § 60.486a(f) § 60.486a(f)(1) [G]§ 60.486a(h)	§ 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(iii) § 60.487a(c)(2)(iv) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRP-FUG	EU	60GGGa-01	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-5a(a) [G]§ 60.482-5a(b) § 60.482-5a(c) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d)	Comply with the requirements as stated in §60.482-5a for sampling connection systems.	§ 60.482-1a(g) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

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)
					§ 60.592a(e)				
GRP-FUG	EU	60GGGa-01	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-2a(c)(2) [G]§ 60.482-7a(e) § 60.482-8a(a) § 60.482-8a(a)(2) § 60.482-8a(b) [G]§ 60.482-8a(c) § 60.482-8a(d) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-8a for pressure relief devices in light liquid service.	§ 60.482-1a(g) § 60.482-8a(a)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRP-FUG	EU	60GGGa-01	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-4a(a) § 60.482-4a(b)(1) § 60.482-4a(b)(2) § 60.482-4a(c) § 60.482-4a(d)(1) § 60.482-4a(d)(2) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1)	Comply with the requirements as stated in §60.482-4a for pressure relief devices in gas/vapor service.	§ 60.482-1a(g) § 60.482-4a(b)(2) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) § 60.486a(e)(10) § 60.486a(e)(3) [G]§ 60.486a(e)(4) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

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)
					§ 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)				
GRP-FUG	EU	60GGGa-01	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-3a(a) [G]§ 60.482-3a(b) § 60.482-3a(c) § 60.482-3a(d) § 60.482-3a(e)(2) § 60.482-3a(f) [G]§ 60.482-3a(g) § 60.482-3a(h) [G]§ 60.482-3a(i) § 60.482-3a(j) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-3a for compressors.	§ 60.482-1a(g) § 60.482-3a(e)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) [G]§ 60.486a(e)(8) [G]§ 60.486a(h)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(4) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(v) § 60.487a(c)(2)(vi) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRP-FUG	EU	60GGGa-01	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-2a(c)(2) [G]§ 60.482-7a(e) § 60.482-8a(a) § 60.482-8a(a)(2) § 60.482-8a(b)	Comply with the requirements as stated in §60.482-8a for pumps in heavy liquid service.	§ 60.482-1a(g) § 60.482-8a(a)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-8a(c) § 60.482-8a(d) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(d) § 60.482-9a(f) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)				§ 60.487a(e)
GRP-FUG	EU	60GGGa-01	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-7a(a)(1) § 60.482-7a(b) [G]§ 60.482-7a(d) [G]§ 60.482-7a(e) [G]§ 60.482-7a(f) [G]§ 60.482-7a(g) [G]§ 60.482-7a(h) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(c) § 60.482-9a(e) § 60.482-9a(f) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-7a for valves in gas/vapor or light liquid service.	§ 60.482-1a(f)(1) § 60.482-1a(f)(2) [G]§ 60.482-1a(f)(3) § 60.482-1a(g) § 60.482-7a(a)(1) [G]§ 60.482-7a(a)(2) [G]§ 60.482-7a(c) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) [G]§ 60.486a(e)(8) § 60.486a(f) § 60.486a(f)(1) § 60.486a(f)(2)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(2) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(i) § 60.487a(c)(2)(ii) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(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)
HEATER1	EU	60JA-01	Hydrogen Sulfide	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(1)(ii) § 60.102a(a) § 60.102a(g) § 60.102a(g)(1) § 60.103a(c) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(5) [G]§ 60.103a(e)	For each fuel gas combustion device the owner or operator shall not burn in any fuel gas combustion device any fuel gas that contains H_2S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis and H_2S in excess of 60 ppmv determined daily on a 365 successive calendar day rolling average basis.	§ 60.104a(a) § 60.104a(c) [G]§ 60.104a(j) § 60.107a(a) § 60.107a(a)(2) § 60.107a(a)(2)(i) § 60.107a(a)(2)(ii) § 60.107a(a)(2)(iii) § 60.107a(a)(2)(iv) § 60.107a(i) § 60.107a(i)(1)(ii)	§ 60.108a(a) § 60.108a(c) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	§ 60.108a(a) § 60.108a(b) [G]§ 60.108a(d)
HEATER1	EU	60JA-01	NO_X	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(2)(ii)(B) § 60.102a(a) § 60.102a(g) § 60.102a(g)(2) § 60.102a(g)(2)(ii)	For each forced draft process heater with a rated capacity of greater than 40 MMBtu/hr on a higher heating value basis, the owner or operator shall not discharge to the atmosphere any emissions of NOx in excess of 0.060 lb/MMBtu higher heating value basis determined daily on a 30-day rolling average basis.	§ 60.104a(a) § 60.104a(c) § 60.104a(i) § 60.104a(i)(1) § 60.104a(i)(2) § 60.104a(i)(3) § 60.104a(i)(5) § 60.104a(i)(7) § 60.104a(i)(8) § 60.107a(c)(1) § 60.107a(c)(2) § 60.107a(c)(3) § 60.107a(c)(4) § 60.107a(c)(5) § 60.107a(c)(6) § 60.107a(d) § 60.107a(d)(1) § 60.107a(d)(2) [G]§ 60.107a(d)(4) § 60.107a(d)(8) § 60.107a(i) § 60.107a(i)(3) § 60.107a(i)(3)(ii)	§ 60.108a(a) [G]§ 60.108a(d)	§ 60.108a(a) § 60.108a(b) [G]§ 60.108a(d)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
HEATER2	EU	60JA-01	Hydrogen Sulfide	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(1)(ii) § 60.102a(a) § 60.102a(g) § 60.102a(g)(1) § 60.103a(c) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(5) [G]§ 60.103a(e)	For each fuel gas combustion device the owner or operator shall not burn in any fuel gas combustion device any fuel gas that contains H_2S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis and H_2S in excess of 60 ppmv determined daily on a 365 successive calendar day rolling average basis.	§ 60.104a(a) § 60.104a(c) [G]§ 60.104a(j) § 60.107a(a) § 60.107a(a)(2) § 60.107a(a)(2)(i) § 60.107a(a)(2)(ii) § 60.107a(a)(2)(iii) § 60.107a(a)(2)(iv) § 60.107a(i) § 60.107a(i)(1)(ii)	§ 60.108a(a) § 60.108a(c) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	§ 60.108a(a) § 60.108a(b) [G]§ 60.108a(d)
HEATER2	EU	60JA-01	NO_X	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(2)(ii)(B) § 60.102a(a) § 60.102a(g) § 60.102a(g)(2) § 60.102a(g)(2)(ii)	For each forced draft process heater with a rated capacity of greater than 40 MMBtu/hr on a higher heating value basis, the owner or operator shall not discharge to the atmosphere any emissions of NOx in excess of 0.060 lb/MMBtu higher heating value basis determined daily on a 30-day rolling average basis.	§ 60.104a(a) § 60.104a(c) § 60.104a(i) § 60.104a(i)(1) § 60.104a(i)(2) § 60.104a(i)(3) § 60.104a(i)(5) § 60.104a(i)(7) § 60.104a(i)(8) § 60.107a(c)(1) § 60.107a(c)(2) § 60.107a(c)(3) § 60.107a(c)(4) § 60.107a(c)(5) § 60.107a(c)(6) § 60.107a(d) § 60.107a(d)(1) § 60.107a(d)(2) [G]§ 60.107a(d)(4) § 60.107a(d)(8) § 60.107a(i) § 60.107a(i)(3) § 60.107a(i)(3)(ii)	§ 60.108a(a) [G]§ 60.108a(d)	§ 60.108a(a) § 60.108a(b) [G]§ 60.108a(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
TK-1001	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)
TK-1001	EU	60KB-01	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
TK-1002	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)
TK-1002	EU	60KB-01	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
TK-1003	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)
TK-1003	EU	60KB-01	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
TK-1004	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)
TK-1004	EU	60KB-01	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
TK-1005	EU	115B1-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)
TK-1005	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)
TK-1005	EU	60KB-01	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
TK-1006	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
TK-1006	EU	60KB-01	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
TK-2001	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)
TK-2001	EU	60KB-01	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
TK-2002	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
TK-2002	EU	60KB-01	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
TK-2003	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)
TK-2003	EU	60KB-01	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
TK-2004	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
TK-2004	EU	60KB-01	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
TK-2601A	EU	115B1-03	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(b)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(4) § 115.118(b)(5)	None
TK-2601A	EU	60KB-02	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
TK-2601B	EU	115B1-03	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(b)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(4) § 115.118(b)(5)	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)
TK-2601B	EU	60KB-02	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
TK-2602	EU	115B1-03	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(b)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(4) § 115.118(b)(5)	None
TK-2602	EU	60KB-02	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
TK-3001	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
TK-3001	EU	60KB-01	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
TK-3002	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)
TK-3002	EU	60KB-01	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
TK-3003	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
TK-3003	EU	60KB-01	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
TK-3004	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)
TK-3004	EU	60KB-01	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
TK-3005	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
TK-3005	EU	60KB-01	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
TK-6001	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(b)(2) § 60.18	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117	§ 115.118(b)(4) § 115.118(b)(5)	None
TK-6002	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(b)(2) § 60.18	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117	§ 115.118(b)(4) § 115.118(b)(5)	None
TK-6003	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(b)(2) § 60.18	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117	§ 115.118(b)(4) § 115.118(b)(5)	None
TK-6004	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(b)(2) § 60.18	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device	[G]§ 115.117	§ 115.118(b)(4) § 115.118(b)(5)	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)
						specified in Table I(a) or Table II(a).			
TK-6005	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(b)(2) § 60.18	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117	§ 115.118(b)(4) § 115.118(b)(5)	None
TK-6006	EU	115B1-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(b)(2) § 60.18	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117	§ 115.118(b)(4) § 115.118(b)(5)	None
TT-LLOAD	EU	115C1-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(4) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	All loading and unloading of crude oil, condensate, and liquefied petroleum gas is exempt from the requirements of the division (relating to Loading and Unloading of Volatile Organic Compounds), except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i)	§ 115.216 § 115.216(3)(A) § 115.216(3)(A)(ii) § 115.216(3)(B)	None

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-1001	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B1-02
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: Any monitoring data that shows that the roof is not floating on the surface of the VOC, if liquid has accumulated on the roof, the seals are detached, or if there are defects in the seal fabric shall be considered and reported as a deviation.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-1002	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B1-02
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: Any monitoring data that shows that the roof is not floating on the surface of the VOC, if liquid has accumulated on the roof, the seals are detached, or if there are defects in the seal fabric shall be considered and reported as a deviation.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-1003	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B1-02
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: Any monitoring data that shows that the roof is not floating on the surface of the VOC, if liquid has accumulated on the roof, the seals are detached, or if there are defects in the seal fabric shall be considered and reported as a deviation.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-1004	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B1-02
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: Any monitoring data that shows that the roof is not floating on the surface of the VOC, if liquid has accumulated on the roof, the seals are detached, or if there are defects in the seal fabric shall be considered and reported as a deviation.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-1005	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B1-01
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: Any monitoring data that shows that the roof is not floating on the surface of the VOC, if liquid has accumulated on the roof, the seals are detached, or if there are defects in the seal fabric shall be considered and reported as a deviation.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-1005	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B1-02
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: Any monitoring data that shows that the roof is not floating on the surface of the VOC, if liquid has accumulated on the roof, the seals are detached, or if there are defects in the seal fabric shall be considered and reported as a deviation.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-1006	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B1-02
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: Any monitoring data that shows that the roof is not floating on the surface of the VOC, if liquid has accumulated on the roof, the seals are detached, or if there are defects in the seal fabric shall be considered and reported as a deviation.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-2001	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B1-02
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: Any monitoring data that shows that the roof is not floating on the surface of the VOC, if liquid has accumulated on the roof, the seals are detached, or if there are defects in the seal fabric shall be considered and reported as a deviation.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-2002	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B1-02
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: Any monitoring data that shows that the roof is not floating on the surface of the VOC, if liquid has accumulated on the roof, the seals are detached, or if there are defects in the seal fabric shall be considered and reported as a deviation.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-2003	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B1-02
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: Any monitoring data that shows that the roof is not floating on the surface of the VOC, if liquid has accumulated on the roof, the seals are detached, or if there are defects in the seal fabric shall be considered and reported as a deviation.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-2004	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B1-02
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: Any monitoring data that shows that the roof is not floating on the surface of the VOC, if liquid has accumulated on the roof, the seals are detached, or if there are defects in the seal fabric shall be considered and reported as a deviation.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-2601A	
Control Device ID No.: WWCC	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B1-03
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: VOC concentration shall not exceed 100 ppmv	
Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration at the outlet of the first or second canister, but before the inlet to the second, third, or final polishing canister of the carbon adsorption system, as appropriate. The monitoring device shall meet the requirements of 40 CFR Part 60, Appendix A, Method 21, Sections 2, 3, 4.1, 4.2, and 4.4. However, the words “leak definition” in Method 21 shall be the outlet concentration. The probe inlet of the monitoring device shall be placed at approximately the center of the carbon adsorber outlet vent. The probe will be held for at least twice the response time of the instrument used, during which flow into the carbon adsorber is expected to occur. The monitoring instrumentation shall be maintained and operated in accordance with manufacturers’ specifications or other written procedures. If the maximum reading after the outlet of the first, second, third. Canister (but not the final canister in the series), is above the maximum limit, that canister shall be replaced and the event recorded before the next VOC reading is taken. If the canister is not replaced and the event not recorded, it shall be considered and reported as a deviation. If the VOC concentration from the final canister is above the maximum limit it shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-2601A	
Control Device ID No.: WWCC	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60KB-02
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: VOC concentration shall not exceed 100 ppmv	
Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration at the outlet of the first or second canister, but before the inlet to the second, third, or final polishing canister of the carbon adsorption system, as appropriate. The monitoring device shall meet the requirements of 40 CFR Part 60, Appendix A, Method 21, Sections 2, 3, 4.1, 4.2, and 4.4. However, the words “leak definition” in Method 21 shall be the outlet concentration. The probe inlet of the monitoring device shall be placed at approximately the center of the carbon adsorber outlet vent. The probe will be held for at least twice the response time of the instrument used, during which flow into the carbon adsorber is expected to occur. The monitoring instrumentation shall be maintained and operated in accordance with manufacturers’ specifications or other written procedures. If the maximum reading after the outlet of the first, second, third. Canister (but not the final canister in the series), is above the maximum limit, that canister shall be replaced and the event recorded before the next VOC reading is taken. If the canister is not replaced and the event not recorded, it shall be considered and reported as a deviation. If the VOC concentration from the final canister is above the maximum limit it shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-2601B	
Control Device ID No.: WWCC	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B1-03
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: VOC concentration shall not exceed 100 ppmv	
Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration at the outlet of the first or second canister, but before the inlet to the second, third, or final polishing canister of the carbon adsorption system, as appropriate. The monitoring device shall meet the requirements of 40 CFR Part 60, Appendix A, Method 21, Sections 2, 3, 4.1, 4.2, and 4.4. However, the words “leak definition” in Method 21 shall be the outlet concentration. The probe inlet of the monitoring device shall be placed at approximately the center of the carbon adsorber outlet vent. The probe will be held for at least twice the response time of the instrument used, during which flow into the carbon adsorber is expected to occur. The monitoring instrumentation shall be maintained and operated in accordance with manufacturers’ specifications or other written procedures. If the maximum reading after the outlet of the first, second, third. Canister (but not the final canister in the series), is above the maximum limit, that canister shall be replaced and the event recorded before the next VOC reading is taken. If the canister is not replaced and the event not recorded, it shall be considered and reported as a deviation. If the VOC concentration from the final canister is above the maximum limit it shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-2601B	
Control Device ID No.: WWCC	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60KB-02
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: VOC concentration shall not exceed 100 ppmv	
Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration at the outlet of the first or second canister, but before the inlet to the second, third, or final polishing canister of the carbon adsorption system, as appropriate. The monitoring device shall meet the requirements of 40 CFR Part 60, Appendix A, Method 21, Sections 2, 3, 4.1, 4.2, and 4.4. However, the words “leak definition” in Method 21 shall be the outlet concentration. The probe inlet of the monitoring device shall be placed at approximately the center of the carbon adsorber outlet vent. The probe will be held for at least twice the response time of the instrument used, during which flow into the carbon adsorber is expected to occur. The monitoring instrumentation shall be maintained and operated in accordance with manufacturers’ specifications or other written procedures. If the maximum reading after the outlet of the first, second, third. Canister (but not the final canister in the series), is above the maximum limit, that canister shall be replaced and the event recorded before the next VOC reading is taken. If the canister is not replaced and the event not recorded, it shall be considered and reported as a deviation. If the VOC concentration from the final canister is above the maximum limit it shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-2602	
Control Device ID No.: WWCC	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B1-03
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: VOC concentration shall not exceed 100 ppmv	
Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration at the outlet of the first or second canister, but before the inlet to the second, third, or final polishing canister of the carbon adsorption system, as appropriate. The monitoring device shall meet the requirements of 40 CFR Part 60, Appendix A, Method 21, Sections 2, 3, 4.1, 4.2, and 4.4. However, the words “leak definition” in Method 21 shall be the outlet concentration. The probe inlet of the monitoring device shall be placed at approximately the center of the carbon adsorber outlet vent. The probe will be held for at least twice the response time of the instrument used, during which flow into the carbon adsorber is expected to occur. The monitoring instrumentation shall be maintained and operated in accordance with manufacturers’ specifications or other written procedures. If the maximum reading after the outlet of the first, second, third. Canister (but not the final canister in the series), is above the maximum limit, that canister shall be replaced and the event recorded before the next VOC reading is taken. If the canister is not replaced and the event not recorded, it shall be considered and reported as a deviation. If the VOC concentration from the final canister is above the maximum limit it shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-2602	
Control Device ID No.: WWCC	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60KB-02
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: VOC concentration shall not exceed 100 ppmv	
Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration at the outlet of the first or second canister, but before the inlet to the second, third, or final polishing canister of the carbon adsorption system, as appropriate. The monitoring device shall meet the requirements of 40 CFR Part 60, Appendix A, Method 21, Sections 2, 3, 4.1, 4.2, and 4.4. However, the words “leak definition” in Method 21 shall be the outlet concentration. The probe inlet of the monitoring device shall be placed at approximately the center of the carbon adsorber outlet vent. The probe will be held for at least twice the response time of the instrument used, during which flow into the carbon adsorber is expected to occur. The monitoring instrumentation shall be maintained and operated in accordance with manufacturers’ specifications or other written procedures. If the maximum reading after the outlet of the first, second, third. Canister (but not the final canister in the series), is above the maximum limit, that canister shall be replaced and the event recorded before the next VOC reading is taken. If the canister is not replaced and the event not recorded, it shall be considered and reported as a deviation. If the VOC concentration from the final canister is above the maximum limit it shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-3001	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B1-02
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: Any monitoring data that shows that the roof is not floating on the surface of the VOC, if liquid has accumulated on the roof, the seals are detached, or if there are defects in the seal fabric shall be considered and reported as a deviation.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-3002	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B1-02
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: Any monitoring data that shows that the roof is not floating on the surface of the VOC, if liquid has accumulated on the roof, the seals are detached, or if there are defects in the seal fabric shall be considered and reported as a deviation.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-3003	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B1-02
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: Any monitoring data that shows that the roof is not floating on the surface of the VOC, if liquid has accumulated on the roof, the seals are detached, or if there are defects in the seal fabric shall be considered and reported as a deviation.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-3004	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B1-02
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: Any monitoring data that shows that the roof is not floating on the surface of the VOC, if liquid has accumulated on the roof, the seals are detached, or if there are defects in the seal fabric shall be considered and reported as a deviation.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-3005	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115B1-02
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: Any monitoring data that shows that the roof is not floating on the surface of the VOC, if liquid has accumulated on the roof, the seals are detached, or if there are defects in the seal fabric shall be considered and reported as a deviation.	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric 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
DESLTK1	N/A	30 TAC Chapter 115, Storage of VOCs	Storage vessel capacity is less than 1000 gallons.
DESLTK1	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75m3.
DESLTK2A	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank storing VOC with a TVP less than 1.5psia.
DESLTK2A	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75m3.
DESLTK2B	N/A	30 TAC Chapter 115, Storage of VOCs	Storage vessel capacity is less than 1000 gallons.
DESLTK2B	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75m3.
DESLTK3A	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank storing VOC with a TVP less than 1.5psia.
DESLTK3A	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75m3.
DESLTK3B	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank storing VOC with a TVP less than 1.5psia.
DESLTK3B	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75m3.
DESLTK3C	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank storing VOC with a TVP less than 1.5psia.
DESLTK3C	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75m3.
DESLTK4	N/A	30 TAC Chapter 115, Storage of VOCs	Storage vessel capacity is less than 1000 gallons.
DESLTK4	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75m3.
DESLTK5	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank storing VOC with a TVP less than 1.5psia.
DESLTK5	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75m3.

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
DESLTK6	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank storing VOC with a TVP less than 1.5psia.
DESLTK6	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75m3.
FWDSLTK2	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank storing VOC with a TVP less than 1.5psia.
FWDSLTK2	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75m3.
FWDSLTK3	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank storing VOC with a TVP less than 1.5psia.
FWDSLTK3	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75m3.
FWDSLTK4	N/A	30 TAC Chapter 115, Storage of VOCs	Storage vessel capacity is less than 1000 gallons.
FWDSLTK4	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75m3.
FWDSLTK5	N/A	30 TAC Chapter 115, Storage of VOCs	Storage vessel capacity is less than 1000 gallons.
FWDSLTK5	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75m3.
NH3TOTE1	N/A	30 TAC Chapter 115, Storage of VOCs	Storage vessel does not store a VOC.
NH3TOTE1	N/A	40 CFR Part 60, Subpart Kb	Storage vessel does not store a VOC.
NH3TOTE2	N/A	30 TAC Chapter 115, Storage of VOCs	Storage vessel does not store a VOC.
NH3TOTE2	N/A	40 CFR Part 60, Subpart Kb	Storage vessel does not store a VOC.
NH3TOTE3	N/A	30 TAC Chapter 115, Storage of VOCs	Storage vessel does not store a VOC.
NH3TOTE3	N/A	40 CFR Part 60, Subpart Kb	Storage vessel does not store a VOC.
NH3TOTE4	N/A	30 TAC Chapter 115, Storage of VOCs	Storage vessel does not store a VOC.

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
NH3TOTE4	N/A	40 CFR Part 60, Subpart Kb	Storage vessel does not store a VOC.
NH3TOTE5	N/A	30 TAC Chapter 115, Storage of VOCs	Storage vessel does not store a VOC.
NH3TOTE5	N/A	40 CFR Part 60, Subpart Kb	Storage vessel does not store a VOC.
NH3TOTE6	N/A	30 TAC Chapter 115, Storage of VOCs	Storage vessel does not store a VOC.
NH3TOTE6	N/A	40 CFR Part 60, Subpart Kb	Storage vessel does not store a VOC.
TK-2005	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank storing VOC with a TVP less than 1.5psia.
TK-2005	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity greater than or equal to 151m3 storing a liquid with maximum TVP less than 3.5kPa.
TK-2006	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank storing VOC with a TVP less than 1.5psia.
TK-2006	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity greater than or equal to 151m3 storing a liquid with maximum TVP less than 3.5kPa.
TK-6001	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa and without emissions to the atmosphere.
TK-6002	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa and without emissions to the atmosphere.
TK-6003	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa and without emissions to the atmosphere.

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-6004	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa and without emissions to the atmosphere.
TK-6005	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa and without emissions to the atmosphere.
TK-6006	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa and without emissions to the atmosphere.
V-5001	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5002	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5003	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5004	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5005	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5006	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5007	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5008	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.

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
V-5009	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5010	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5011	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5012	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5013	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5014	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5015	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5016	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5017	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5018	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5019	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5020	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.

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
V-5021	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5022	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5023	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.
V-5024	N/A	40 CFR Part 60, Subpart Kb	Pressure vessel designed to operate in excess of 204.9 kPa without emissions to atmosphere.

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.: GHGPSDTX159	Issuance Date: 09/05/2025
PSD Permit No.: PSDTX1502	Issuance Date: 09/05/2025
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.: 109923	Issuance Date: 09/05/2025
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.532	Version No./Date: 09/04/2000

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
ATM1	2000 AND 3000 TANK FARM FUGITIVES	109923, GHGPSDTX159, PSDTX1502
ATM2	C3/C4 FUGITIVES	109923, GHGPSDTX159, PSDTX1502
BOILER1	BOILER #1	109923, GHGPSDTX159, PSDTX1502
BOILER2	BOILER #2	109923, GHGPSDTX159, PSDTX1502
BOILER3	BOILER #3	109923, GHGPSDTX159, PSDTX1502
BTLLOAD	C3/C4 BULLET TANK LOADING	109923, GHGPSDTX159, PSDTX1502
DESLTK1	DIESEL STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
DESLTK2A	DIESEL STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
DESLTK2B	DIESEL STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
DESLTK3A	DIESEL STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
DESLTK3B	DIESEL STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
DESLTK3C	DIESEL STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
DESLTK4	DIESEL STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
DESLTK5	DIESEL STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
DESLTK6	DIESEL STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
DIESLOAD	DIESEL TANK TRUCK LOADING	109923, GHGPSDTX159, PSDTX1502
EMRGEN1	WWTP EMERGENCY GENERATOR	109923, GHGPSDTX159, PSDTX1502
EMRGEN2A	ADMIN BUILDING EMERGENCY GENERATOR	109923, GHGPSDTX159, PSDTX1502
EMRGEN2B	CONTROL BUILDING EMERGENCY GENERATOR	109923, GHGPSDTX159, PSDTX1502
EMRGEN3A	BACK-UP GENERATOR	109923, GHGPSDTX159, PSDTX1502, 106.261/11/01/2003 [168933]

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**
EMRGEN3B	BACK-UP GENERATOR	109923, GHGPSDTX159, PSDTX1502, 106.261/11/01/2003 [168933]
EMRGEN3C	BACK-UP GENERATOR	109923, GHGPSDTX159, PSDTX1502, 106.261/11/01/2003 [168933]
EMRGEN4	SPLITTER EMERGENCY GENERATOR	109923, GHGPSDTX159, PSDTX1502
EMRGEN6	BACK-UP GENERATOR	109923, GHGPSDTX159, PSDTX1502, 106.261/11/01/2003 [168933]
FLARE	FLARE	109923, GHGPSDTX159, PSDTX1502
FLARE1	LPG FLARE	109923, GHGPSDTX159, PSDTX1502
FUG	FUGITIVES	109923, GHGPSDTX159, PSDTX1502, 106.261/11/01/2003 [137801, 151918, 160599, 158257, 164302, 168450, 172192, 175845, 176280], 106.262/11/01/2003 [158257, 172241, 176280]
FUG1	1000 UNIT TANK FARM FUGITIVES	109923, GHGPSDTX159, PSDTX1502, 106.261/11/01/2003 [148941]
FWDSLTK2	DIESEL STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
FWDSLTK3	DIESEL STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
FWDSLTK4	DIESEL STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
FWDSLTK5	DIESEL STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
FWP2	EMERGENCY FIRE WATER PUMP #2	109923, GHGPSDTX159, PSDTX1502
FWP3	EMERGENCY FIRE WATER PUMP #3	109923, GHGPSDTX159, PSDTX1502
FWP4	EMERGENCY FIRE WATER PUMP #4	109923, GHGPSDTX159, PSDTX1502
FWP5	EMERGENCY FIRE WATER PUMP #5	109923, GHGPSDTX159, PSDTX1502

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**
HEATER1	HEATER #1	109923, GHGPSDTX159, PSDTX1502
HEATER2	HEATER #2	109923, GHGPSDTX159, PSDTX1502
NH3TOTE1	AQUEOUS AMMONIA TOTE 1	109923, GHGPSDTX159, PSDTX1502
NH3TOTE2	AQUEOUS AMMONIA TOTE 2	109923, GHGPSDTX159, PSDTX1502
NH3TOTE3	AQUEOUS AMMONIA TOTE 3	109923, GHGPSDTX159, PSDTX1502
NH3TOTE4	AQUEOUS AMMONIA TOTE 4	109923, GHGPSDTX159, PSDTX1502
NH3TOTE5	AQUEOUS AMMONIA TOTE 5	109923, GHGPSDTX159, PSDTX1502
NH3TOTE6	AQUEOUS AMMONIA TOTE 6	109923, GHGPSDTX159, PSDTX1502
TK-1001	CRUDE OIL/CONDENSATE STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
TK-1002	CRUDE OIL/CONDENSATE STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
TK-1003	CRUDE OIL/CONDENSATE STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
TK-1004	CRUDE OIL/CONDENSATE STORAGE TANK	109923, GHGPSDTX159, PSDTX1502, 106.261/11/01/2003 [148941], 106.478/09/04/2000 [148941]
TK-1005	MULTIPLE PRODUCTS STORAGE TANK	109923, GHGPSDTX159, PSDTX1502, 106.478/09/04/2000 [148941]
TK-1006	CRUDE OIL/CONDENSATE STORAGE TANK	109923, GHGPSDTX159, PSDTX1502, 106.261/11/01/2003 [148941], 106.478/09/04/2000 [148941]
TK-2001	JET FUEL/KEROSENE/DISTILLATE STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
TK-2002	JET FUEL/KEROSENE/DISTILLATE STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
TK-2003	JET FUEL/KEROSENE/DISTILLATE STORAGE TANK	109923, GHGPSDTX159, PSDTX1502

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-2004	JET FUEL/KEROSENE/DISTILLATE STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
TK-2005	ATMOSPHERIC TANK BOTTOMS STORAGE TANK	109923, GHGPSDTX159, PSDTX1502, 106.261/11/01/2003 [163051]
TK-2006	ATMOSPHERIC TANK BOTTOMS STORAGE TANK	109923, GHGPSDTX159, PSDTX1502, 106.261/11/01/2003 [163051]
TK-2601A	WASTEWATER TANK	109923, GHGPSDTX159, PSDTX1502
TK-2601B	WASTEWATER TANK	109923, GHGPSDTX159, PSDTX1502
TK-2602	WASTEWATER TANK	109923, GHGPSDTX159, PSDTX1502
TK-3001	HEAVY NAPHTHA STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
TK-3002	HEAVY NAPHTHA STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
TK-3003	HEAVY NAPHTHA STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
TK-3004	LIGHT NAPHTHA STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
TK-3005	LIGHT NAPHTHA STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
TK-6001	LPG STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
TK-6002	LPG STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
TK-6003	LPG STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
TK-6004	LPG STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
TK-6005	LPG STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
TK-6006	LPG STORAGE TANK	109923, GHGPSDTX159, PSDTX1502
TT-LLOAD	C3/C4 TANK TRUCK LOADING	109923, GHGPSDTX159, PSDTX1502
V-5001	BULLET TANK	109923, GHGPSDTX159, PSDTX1502

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**
V-5002	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5003	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5004	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5005	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5006	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5007	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5008	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5009	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5010	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5011	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5012	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5013	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5014	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5015	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5016	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5017	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5018	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5019	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5020	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5021	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5022	BULLET TANK	109923, GHGPSDTX159, PSDTX1502

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**
V-5023	BULLET TANK	109923, GHGPSDTX159, PSDTX1502
V-5024	BULLET TANK	109923, GHGPSDTX159, PSDTX1502

**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.

Alternative Requirement

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 4, 2024

MR ANTHONY CUMMINGS
ENVIRONMENTAL MANAGER
BUCKEYE TEXAS PROCESSING LLC
7209 UP RIVER RD
CORPUS CHRISTI TX 78409-2817

Re: Alternative Method of Compliance (AMOC) No. 244
Corpus Christi Refinery
Alternative H_2S Monitoring
Regulated Entity Number: RN109620438
Customer Reference Number: CN604275107
Associated Permit Numbers: 109823, PSDTX1502, and GHGPSDTX159, and O3869

Dear Mr. Cummings:

This correspondence is in response to Buckeye Texas Processing LLC's (Buckeye's) March 16, 2023 request for an alternative H_2S monitoring at the Corpus Christi Refinery in Corpus Christi, Nueces County to demonstrate compliance with permit limits.

We understand that the above-referenced permits require storage tanks to be at or below 24 ppmv H_2S during normal operations and maintenance, start-up or shutdown activities. The permit conditions further stipulate that compliance with this limit shall be demonstrated in each tank's vapor space using a colorimetric detector tube is required at least annually or within 60 days of change of service of any tank. The permit condition allows the TCEQ Region to approve alternative methods. Additionally, Buckeye has shown that there are no other state (30 TAC §112) or federal (40 CFR 60, Subpart Ja or Kb) regulatory requirements for H_2S monitoring that are applicable to these tanks.

The information provided by Buckeye on use of the proposed portable electrochemical monitoring equipment (such as a Honeywell Model PGM6228 5-gas monitor with C03-0907-001 sensors, as well as other similar devices) included manufacturer's specifications, functionality, measurement techniques, precision, accuracy, span, and range. Supporting documentation also showed equivalent monitors have been approved by the U.S. EPA through alternative monitoring plans (AMPs) and the TCEQ is familiar with many of these models.

The Texas Commission on Environmental Quality (TCEQ) Executive Director has made a final decision to approve your AMOC request under attached conditions. Please maintain these conditions at the site with all permit documentation.

This AMOC approval may supersede certain requirements or representations in Permit Nos. 109823 and PSDTX1502. To ensure effective and consistent enforceability, we request that Buckeye incorporate this AMOC into the permit(s) through submittal of alteration(s) no later than 90 days after this approval.

This approval may also change applicable requirements for the site, which are identified in the site operating permit (SOP) O3869. The TCEQ recommends the submittal of a SOP administrative revision if any changes are necessary. Changes meeting the criteria for an administrative revision can be operated before issuance of the revision if a complete application is submitted to the TCEQ and this information is maintained with the SOP records at the site.

If you need further information or have any questions, please contact Ms. Anne Inman, P.E. at (512) 239-1276 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Sincerely,

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

cc: Air Section Manager, Region 14 - Corpus Christi
Jesse E. Chacon, P.E., Manager, Operating Permits Section, Air Permits Division, OA: MC-163
Chris Loughran, P.E., Acting Manager, Energy New Source Review Permits Section, Air Permits Division, OA: MC-163

Project Number: 378476

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Alternative Method of Control (AMOC) Plan, AMOC No.: AMOC-244
Buckeye Texas Processing
Corpus Christi Refinery
Corpus Christi, Nueces County
Regulated Entity Number: RN106820433

A. Demonstrations of compliance with NSR Permit Conditions' H_2S tank vapor space limitations (24 ppmv) during routine operations and uncontrolled MSS activities may optionally use a portable electrochemical detector/sensor instead of colorimetric detector tubes. Portable electrochemical detectors may not be used for H_2S concentration compliance demonstrations when vapor streams are sent a control device during MSS or are subject to 40 CFR 60, Subpart Ja.

B. Electrochemical detectors meeting the following specifications may be used to determine H_2S in tank vapor spaces:

1. Manufacturer's recommendations and guidelines regarding training, operation, sampling time, storage, and maintenance as specified for the given detector/meter/sensor model shall be followed.

2. The appropriate detector span shall be based on the expected actual concentration range in a given tank's vapor space. The detection limit for the electrochemical detector shall be either no more than one-tenth of the limit that is being complied with or has a detection limit that is no more than one half of a reading that followed this condition and was confirmed from the given sample point within the last 12 hours. The H_2S concentration measured must also be less than 80% of the manufacturer's specified span/range for the electrochemical detector.

3. Detectors shall meet the following:
   i. For spans of 0 - 199 ppm: Precision/Resolution – 2 ppm, Repeatability/Standard Deviation – 10%
   ii. For spans of 200 - 1999 ppm: Precision/Resolution – 20 ppm, Repeatability/Standard Deviation – 10%
   iii. For spans of 2000 ppm or more: Precision/Resolution – 100 ppm, Repeatability/Standard Deviation – 10%

4. A functionality test shall be performed on the electrochemical detector within 24 hours of use with a certified standard of at least 50% of the detector's resolution (1 ppm, 10 ppm, or 50 ppm, respectively for the spans listed above).

5. Records, including the date/time and test results, shall be maintained.

C. All sample locations, monitoring frequencies, monitoring techniques, recordkeeping, and reporting requirements remain unchanged from those in NSR Permit Conditions.

Appendix A

Acronym List

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

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

Appendix B

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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
CT1	Cooling Tower	VOC	0.11	0.47	19	19, 49	
		PM	0.18	0.79			
		PM_{10}	0.13	0.55			
		$PM_{2.5}$	0.08	0.33			
CT2	Cooling Tower	VOC	0.11	0.47	19	19, 49	
		PM	0.18	0.79			
		PM_{10}	0.13	0.55			
		$PM_{2.5}$	0.08	0.33			
WWCC	Wastewater Carbon Canisters	VOC	<0.01	<0.01	24		
WW	Wastewater Treatment	VOC	7.57	4.87	25, 26	25, 26, 49	
		H_2S	0.66	1.51			
		NH_3	<0.01	<0.01			
BOILER1	Boiler #1	NO_x	0.44	1.92	7, 9, 27	49	28
		SO_2	0.32	0.51			
		PM	0.09	0.41			
		PM_{10}	0.09	0.41			

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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
		$PM_{2.5}$	0.09	0.41			
		CO	0.44	1.95			
		H_2S	<0.01	<0.01			
		VOC	0.07	0.30			
BOILER2	Boiler #2	NOx	0.44	1.92	7, 9, 27	49	28
		SO_2	0.32	0.51			
		PM	0.09	0.41			
		PM_{10}	0.09	0.41			
		$PM_{2.5}$	0.09	0.41			
		CO	0.44	1.95			
		H_2S	<0.01	<0.01			
		VOC	0.07	0.30			
BOILER3	Boiler #3	NO_x	0.44	1.92	7, 9, 27	49	28
		SO_2	0.32	0.51			
		PM	0.09	0.41			
		PM_{10}	0.09	0.41			

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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
		$PM_{2.5}$	0.09	0.41			
		CO	0.44	1.95			
		H_2S	<0.01	<0.01			
		VOC	0.07	0.30			
BOILER4	Boiler #4	NO_x	0.44	1.92	7, 9, 14, 27, 28	49	28
		SO_2	0.32	0.51			
		PM	0.09	0.41			
		PM_{10}	0.09	0.41			
		$PM_{2.5}$	0.09	0.41			
		CO	0.44	1.95			
		H_2S	<0.01	<0.01			
		VOC	0.07	0.30			
BOILER5	Boiler #5	NO_x	0.44	1.92	7, 9, 14, 27, 28	49	28
		SO_2	0.32	0.51			
		PM	0.09	0.41			
		PM_{10}	0.09	0.41			

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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
		$PM_{2.5}$	0.09	0.41			
		CO	0.44	1.95			
		H_2S	<0.01	<0.01			
		VOC	0.07	0.30			
HEATER1	Heater #1	NO_x	1.03	3.72	7, 9, 11, 14, 27, 28	11, 14, 49	14, 28
		SO_2	2.72	3.63			
		PM	1.99	7.19			
		PM_{10}	1.10	3.96			
		$PM_{2.5}$	1.03	3.71			
		CO	3.81	13.75			
		H_2S	0.01	0.02			
		NH_3	0.46	1.67			
		VOC	1.14	4.10			
HEATER2	Heater #2	NO_x	1.03	3.72	7, 9, 11, 14, 27, 28	11, 14, 49	14, 28
		SO_2	2.72	3.63			
		PM	1.99	7.19			

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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}	1.10	3.96			
		$PM_{2.5}$	1.03	3.71			
		CO	3.81	13.75			
		H_2S	<0.01	0.02			
		NH_3	0.46	1.67			
		VOC	1.14	4.10			
HEATER3	Heater #3	NO_x	1.03	3.72	7, 9, 11, 14, 27, 28	11, 14, 49	14, 28
		SO_2	2.72	3.63			
		PM	1.99	7.19			
		PM_{10}	1.10	3.96			
		$PM_{2.5}$	1.03	3.71			
		CO	3.81	13.75			
		H_2S	0.01	0.02			
		NH_3	0.46	1.67			
		VOC	1.14	4.10			
MSS-ATM	Uncontrolled MSS	VOC	732.77	2.33	33	29, 33, 49	29

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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
		NH_3	1.94	<0.01			
		H_2S	0.20	<0.01			
		PM	<0.01	<0.01			
		PM_{10}	<0.01	<0.01			
		$PM_{2.5}$	<0.01	<0.01			
FUG	ISBL Fugitives (5)	VOC	39.67	173.77	16, 17	16, 18, 49	16
		NH_3	0.07	0.33			
		H_2S	0.19	0.84			
FUG1	1000 Unit Tank Farm Fugitives (5)	VOC	2.60	11.40	16, 17	16, 18, 49	16
		H_2S	<0.01	<0.01			
ATM1	2000 and 3000 Tank Farm Fugitives (5)	VOC	2.90	12.69	16, 17	16, 18, 49	16
		H_2S	<0.01	<0.01			
ATM2	Area 5000, 6000, 7000, and LACT LPG Fugitive Sources						
	C3/C4 Fugitives (5)	VOC	22.87	100.17	16, 17	16, 18, 49	16
		H_2S	<0.01	0.02			
	C3/C4 Tank Truck Loading	VOC	0.55	0.31			

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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
		H_2S	<0.01	<0.01			
FLARE1	LPG Flare Emissions						
	Refrigerated LPG Tank MSS to Flare	CO	59.14	36.77	15, 39	15, 49	
		NOx	29.62	18.42			
		SO_2	2.72	0.70			
		VOC	213.34	98.01			
FLARE	Flare (Routine Emissions)						
	Flare Pilots	CO	0.09	0.39	15, 39	15, 49	15
		NO_x	0.02	0.08			
		SO_2	<0.01	<0.01			
		VOC	<0.01	<0.01			
FLARE	Controlled MSS to Flare	See MSS Control Cap.					
NH3TOTE1	Aqueous Ammonia Tote 1	NH_3	<0.01	0.02	As-built amendment application, May 2016, Table 4-1, page 4-22		
NH3TOTE2	Aqueous Ammonia Tote 2	NH_3	<0.01	0.02			
NH3TOTE3	Aqueous Ammonia Tote 3	NH_3	<0.01	0.02			
NH3TOTE4	Aqueous Ammonia Tote 4	NH_3	<0.01	0.02			

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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
NH3TOTE5	Aqueous Ammonia Tote 5	NH_3	<0.01	0.02			
NH3TOTE6	Aqueous Ammonia Tote 6	NH_3	<0.01	0.02			
SCAVENGFUG	Scavenger Tank Fugitives	VOC	0.06	0.25			
SCAVENGLD1	Scavenger Tank Loading	VOC	0.01	<0.01			
SCAVENGTK1	Scavenger Tank	VOC	0.09	<0.01			
TK-1001	Tank 1001	VOC	8.15	4.10	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	<0.01	<0.01			
TK-1002	Tank 1002	VOC	8.15	4.10	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	<0.01	<0.01			
TK-1003	Tank 1003	VOC	8.15	4.10	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	<0.01	<0.01			
TK-1004	Tank 1004	VOC	8.15	4.10	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	<0.01	<0.01			
TK-1005	Tank 1005	VOC	6.12	2.59	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	<0.01	<0.01			
TK-1006	Tank 1006	VOC	8.15	4.10	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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
		H_2S	<0.01	<0.01			
TK-2001	Tank 2001	VOC	2.05	0.22	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	<0.01	<0.01			
TK-2002	Tank 2002	VOC	1.76	0.30	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	<0.01	<0.01			
TK-2003	Tank 2003	VOC	2.16	0.24	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	<0.01	<0.01			
TK-2004	Tank 2004	VOC	1.67	0.27	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	<0.01	<0.01			
TK-2005	Tank 2005	VOC	2.14	0.23	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	0.24	0.03			
TK-2006	Tank 2006	VOC	2.14	0.23	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	0.24	0.03			
TK-3001	Tank 3001	VOC	2.64	0.86	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	<0.01	<0.01			
TK-3002	Tank 3002	VOC	2.30	2.34	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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
		H_2S	<0.01	<0.01			
TK-3003	Tank 3003	VOC	2.30	2.34	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	<0.01	<0.01			
TK-3004	Tank 3004	VOC	3.04	3.22	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	<0.01	<0.01			
TK-3005	Tank 3005	VOC	3.04	3.22	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	<0.01	<0.01			
TK-1001	Tank 1001 MSS	VOC	18.85	0.88	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	0.39	<0.01			
TK-1002	Tank 1002 MSS	VOC	18.85	0.88	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	0.39	<0.01			
TK-1003	Tank 1003 MSS	VOC	18.85	0.88	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	0.39	<0.01			
TK-1004	Tank 1004 MSS	VOC	18.85	0.88	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	0.39	<0.01			
TK-1005	Tank 1005 MSS	VOC	24.59	1.58	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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
		H_2S	0.39	<0.01			
TK-1006	Tank 1006 MSS	VOC	18.85	0.88	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	0.39	<0.01			
TK-2001	Tank 2001 MSS	VOC	13.40	0.53	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	0.39	<0.01			
TK-2002	Tank 2002 MSS	VOC	24.37	0.86	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	0.39	<0.01			
TK-2003	Tank 2003 MSS	VOC	22.22	0.61	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	0.39	<0.01			
TK-2004	Tank 2004 MSS	VOC	15.99	0.78	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	0.39	<0.01			
TK-2005	Tank 2005 MSS	VOC	0.35	0.41	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	0.39	0.02			
TK-2006	Tank 2006 MSS	VOC	0.35	0.41	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	0.39	0.02			
TK-3001	Tank 3001 MSS	VOC	11.80	0.15	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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
		H_2S	0.39	<0.01			
TK-3002	Tank 3002 MSS	VOC	20.71	0.46	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	0.39	<0.01			
TK-3003	Tank 3003 MSS	VOC	22.00	0.44	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	0.39	<0.01			
TK-3004	Tank 3004 MSS	VOC	8.87	0.47	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	0.39	<0.01			
TK-3005	Tank 3005 MSS	VOC	9.02	0.47	20, 21, 22, 23, 33	20, 21, 22, 23, 33, 49	
		H_2S	0.39	<0.01			
MSS	MSS Control Cap (Includes Tank MSS and ISBL MSS)	VOC	400.58	92.71	33	33	
		NO_X	36.91	6.90			
		CO	61.43	28.77			
		PM	0.11	0.12			
		PM_{10}	0.11	0.12			
		$PM_{2.5}$	0.11	0.12			
		SO_2	13.74	3.95			

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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
		H_2S	0.28	0.04			
		NH_3	0.19	<0.01			
DESLTK1	EMRGEN1 Diesel Storage Tank	VOC	0.01	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
DESLTK2a	EMRGEN2a Diesel Storage Tank	VOC	0.01	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
DESLTK2b	EMRGEN2b Diesel Storage Tank	VOC	0.10	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
DESLTK3a	EMRGEN 3a Diesel Storage Tank	VOC	0.59	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
DESLTK3b	EMRGEN 3b Diesel Storage Tank	VOC	0.59	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
DESLTK3c	EMRGEN 3c Diesel Storage Tank	VOC	0.59	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
DESLTK4	EMRGEN4 Diesel Storage Tank	VOC	0.03	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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
DESLTK6	EMRGEN6 Diesel Storage Tank	VOC	0.01	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
DESLTK1	EMRGEN1 Diesel Storage Tank MSS	VOC	0.49	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
DESLTK2a	EMRGEN2a Diesel Storage Tank MSS	VOC	0.43	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
DESLTK2b	EMRGEN2b Diesel Storage Tank MSS	VOC	1.31	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
DESLTK3a	EMRGEN 3a Diesel Storage Tank MSS	VOC	0.83	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
DESLTK3b	EMRGEN 3b Diesel Storage Tank MSS	VOC	0.83	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
DESLTK3c	EMRGEN 3c Diesel Storage Tank MSS	VOC	0.83	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
DESLTK4	EMRGEN 4 Diesel Storage Tank MSS	VOC	0.21	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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
DESLTK6	EMRGEN 6 Diesel Storage Tank MSS	VOC	0.49	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
FWDSLTK2	FWP 2 Diesel Storage Tank	VOC	0.05	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
FWDSLTK3	FWP 3 Diesel Storage Tank	VOC	0.05	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
FWDSLTK4	FWP 4 Diesel Storage Tank	VOC	0.03	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
FWDSLTK5	FWP 5 Diesel Storage Tank	VOC	0.03	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
FWDSLTK2	FWP 2 Diesel Storage Tank MSS	VOC	2.29	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
FWDSLTK3	FWP 3 Diesel Storage Tank MSS	VOC	2.29	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
FWDSLTK4	FWP 4 Diesel Storage Tank MSS	VOC	1.42	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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
FWDSLTK5	FWP 5 Diesel Storage Tank MSS	VOC	1.42	<0.01	20, 21, 22, 23	20, 21, 22, 23, 49	
		H_2S	<0.01	<0.01			
EMRGEN1	WWTP Emergency Engine	NO_X	3.27	0.16	As-built amendment application, May 2016, Table 4-1, page 3-18, NSPS IIII		
		VOC	0.02	<0.01			
		CO	0.14	<0.01			
		SO_2	<0.01	<0.01			
		PM	0.01	<0.01			
		PM_{10}	0.01	<0.01			
		$PM_{2.5}$	0.01	<0.01			
EMRGEN2a	ADMIN Building Emergency Generator	NO_X	8.08	0.40	As-built amendment application, May 2016, Table 4-1, page 3-18, NSPS IIII		
		VOC	0.02	<0.01			
		CO	0.52	0.03			
		SO_2	<0.01	<0.01			
		$PM_{2.5}$	0.08	<0.01			
		PM_{10}	0.08	<0.01			
		PM	0.08	<0.01			

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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
EMRGEN2b	Control Building Emergency Generator	NO_x	0.69	0.03	As-built amendment application, May 2016, Table 4-1, page 3-18, NSPS IIII		
		VOC	0.02	<0.01			
		CO	0.19	<0.01			
		SO_2	<0.01	<0.01			
		$PM_{2.5}$	0.02	<0.01			
		PM_{10}	0.02	<0.01			
		PM	0.02	<0.01			
EMRGEN3a	Back-up Generator	NO_x	30.42	1.52	As-built amendment application, May 2016, Table 4-1, page 3-18, NSPS IIII		
		VOC	0.63	0.03			
		CO	1.03	0.05			
		SO_2	0.03	0.01			
		$PM_{2.5}$	0.23	0.01			
		PM_{10}	0.23	0.01			
		PM	0.23	0.01			

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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
EMRGEN3b	Back-Up Generator	NO_x	30.42	1.52	As-built amendment application, May 2016, Table 4-1, page 3-18, NSPS IIII		
		VOC	0.63	0.03			
		CO	1.03	0.05			
		SO_2	0.03	0.01			
		$PM_{2.5}$	0.23	0.01			
		PM_{10}	0.23	0.01			
		PM	0.23	0.01			
EMRGEN3c	Back-Up Generator	NO_x	30.42	1.52	As-built amendment application, May 2016, Table 4-1, page 3-18, NSPS IIII		
		VOC	0.63	0.03			
		CO	1.03	0.05			
		SO_2	0.03	<0.01			
		$PM_{2.5}$	0.23	0.01			
		PM_{10}	0.23	0.01			
		PM	0.23	0.01			
EMRGEN4	Splitter Emergency Engine	NO_x	8.08	0.40	As-built amendment application, May 2016, Table 4-1, page 3-18,		
		VOC	0.18	<0.01			

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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
		CO	0.52	0.01	NSPS IIII		
		SO_2	0.01	0.01			
		$PM_{2.5}$	0.08	<0.01			
		PM_{10}	0.08	<0.01			
		PM	0.08	<0.01			
EMRGEN6	OSBL Flare Emergency Engine	NO_x	1.57	0.08	PBR application, January 2016, page 3-4	PBR application, January 2016, page 3-4	
		VOC	1.57	0.08			
		CO	1.37	0.07			
		SO_2	<0.01	<0.01			
		$PM_{2.5}$	0.08	<0.01			
		PM_{10}	0.08	<0.01			
		PM	0.08	<0.01			
FWP2	Firewater Pump	NO_x	6.07	0.30	As-built amendment application, May 2016, Table 4-1, page 3-18, NSPS IIII		
		VOC	0.08	<0.01			
		CO	1.95	0.10			
		SO_2	<0.01	<0.01			

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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
		$PM_{2.5}$	0.23	0.01			
		PM_{10}	0.23	0.01			
		PM	0.23	0.01			
FWP3	Firewater Pump	NO_x	6.07	0.30	As-built amendment application, May 2016, Table 4-1, page 3-18, NSPS IIII		
		VOC	0.08	<0.01			
		CO	1.95	0.10			
		SO_2	<0.01	<0.01			
		$PM_{2.5}$	0.23	0.01			
		PM_{10}	0.23	0.01			
		PM	0.23	0.01			
FWP4	Firewater Pump	NO_x	2.42	0.12	As-built amendment application, May 2016, Table 4-1, page 3-18, NSPS IIII		
		VOC	0.09	<0.01			
		CO	0.65	0.03			
		SO_2	<0.01	<0.01			
		$PM_{2.5}$	0.10	<0.01			
		PM_{10}	0.10	<0.01			

Major NSR Summary Table

Permit Number 109923 and PSDTX1502					Issuance Date: September 5, 2025		
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	0.10	<0.01			
FWP5	Firewater Pump	NO_x	2.42	0.12	As-built amendment application, May 2016, Table 4-1, page 3-18, NSPS IIII		
		VOC	0.09	<0.01			
		CO	0.65	0.03			
		SO_2	<0.01	<0.01			
		$PM_{2.5}$	0.10	<0.01			
		PM_{10}	0.10	<0.01			
		PM	0.20	<0.01			

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_X - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
H_2S - hydrogen sulfide
NH_3 - ammonia
CO - carbon monoxide
(4) Compliance with annual emission limits (tons per year) is based on a 12month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Major NSR Summary Table

Permit Numbers: 109923 and GHGPSDTX159				Issuance Date: September 5, 2025		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Conditions/ Application Information	Special Conditions/ Application Information	Special Conditions/ Application Information
BOILER1	Boiler #1	CO_2 (5)	6,861	9, 51	51	51
		CH_4 (5)	<1			
		N_2O (5)	<1			
		CO_2e	6,890			
BOILER2	Boiler #2	CO_2 (5)	6,861	9, 51	51	51
		CH_4 (5)	<1			
		N_2O (5)	<1			
		CO_2e	6,890			
BOILER3	Boiler #3	CO_2 (5)	6,861	9, 51	51	51
		CH_4 (5)	<1			
		N_2O (5)	<1			
		CO_2e	6,890			
BOILER4	Boiler #4	CO_2 (5)	6,861	9, 51	51	51
		CH_4 (5)	<1			
		N_2O (5)	<1			
		CO_2e	6,890			
BOILER5	Boiler #5	CO_2 (5)	6,861	9, 51	51	51
		CH_4 (5)	<1			
		N_2O (5)	<1			
		CO_2e	6,890			

Major NSR Summary Table

Permit Numbers: 109923 and GHGPSDTX159				Issuance Date: September 5, 2025		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**	**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			TPY (4)	**Special Conditions/ Application Information**	**Special Conditions/ Application Information**	**Special Conditions/ Application Information**
HEATER1	Heater #1	CO_2 (5)	48,425	9, 51	51	51
		CH_4 (5)	2			
		N_2O (5)	<1			
		CO_2e	48,634			
HEATER2	Heater #2	CO_2 (5)	48,425	9, 51	51	51
		CH_4 (5)	2			
		N_2O (5)	<1			
		CO_2e	48,634			
HEATER3	Heater #3	CO_2 (5)	48,425	9, 51	51	51
		CH_4 (5)	2			
		N_2O (5)	<1			
		CO_2e	48,634			
FUG	ISBL Fugitives (5)	CH_4 (5)	8	16, 17, 51	16, 17, 51	51
		CO_2e	209			
FLARE1	LPG Flare Emissions	CO_2 (5)	19,347	15, 9, 51	15, 51	51
		CH_4 (5)	<1			
		N_2O (5)	<1			
		CO_2e	19,363			
FLARE	Flare Pilots	CO_2 (5)	67.92	15, 9, 51	15, 51	51
		CH_4 (5)	<1			
		N_2O (5)	<1			
		CO_2e	67.99			
FLARE	Flare (MSS)	See MSS Control Cap.				

Major NSR Summary Table

Permit Numbers: 109923 and GHGPSDTX159				Issuance Date: September 5, 2025		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**	**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			TPY (4)	**Special Conditions/ Application Information**	**Special Conditions/ Application Information**	**Special Conditions/ Application Information**
EMRGEN1	WWTP Emergency Engine	CO_2 (5)	18	51	51	51
		CH_4 (5)	<1			
		N_2O (5)	<1			
		CO_2e	19			
EMRGEN2a	ADMIN Building Emergency Generator	CO_2 (5)	43	51	51	51
		CH_4 (5)	<1			
		N_2O (5)	<1			
		CO_2e	43			
EMRGEN2b	Control Building Emergency Generator	CO_2 (5)	8	51	51	51
		CH_4 (5)	<1			
		N_2O (5)	<1			
		CO_2e	8			
EMRGEN3a	Back-up Generator	CO_2 (5)	148	51	51	51
		CH_4 (5)	<1			
		N_2O (5)	<1			
		CO_2e	149			

Major NSR Summary Table

Permit Numbers: 109923 and GHGPSDTX159				Issuance Date: September 5, 2025		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**	**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			TPY (4)	**Special Conditions/ Application Information**	**Special Conditions/ Application Information**	**Special Conditions/ Application Information**
EMRGEN3b	Back-Up Generator	CO_2 (5)	148	51	51	51
		CH_4 (5)	<1			
		N_2O (5)	<1			
		CO_2e	149			
EMRGEN3c	Back-Up Generator	CO_2 (5)	148	51	51	51
		CH_4 (5)	<1			
		N_2O (5)	<1			
		CO_2e	149			
EMRGEN4	Splitter Emergency Engine	CO_2 (5)	43	51	51	51
		CH_4 (5)	<1			
		N_2O (5)	<1			
		CO_2e	43			
EMRGEN6	OSBL Flare Emergency Engine	CO_2 (5)	14	51	51	51
		CH_4 (5)	<1			
		N_2O (5)	<1			
		CO_2e	14			
FWP2	Firewater Pump	CO_2 (5)	40	51	51	51
		CH_4 (5)	<1			
		N_2O (5)	<1			
		CO_2e	40			

Major NSR Summary Table

Permit Numbers: 109923 and GHGPSDTX159				Issuance Date: September 5, 2025		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**	**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			TPY (4)	**Special Conditions/ Application Information**	**Special Conditions/ Application Information**	**Special Conditions/ Application Information**
FWP3	Firewater Pump	CO_2 (5)	40	51	51	51
		CH_4 (5)	<1			
		N_2O (5)	<1			
		CO_2e	40			
FWP4	Firewater Pump	CO_2 (5)	24	51	51	51
		CH_4 (5)	<1			
		N_2O (5)	<1			
		CO_2e	24			
FWP5	Firewater Pump	CO_2 (5)	24	51	51	51
		CH_4 (5)	<1			
		N_2O (5)	<1			
		CO_2e	24			
MSS	MSS Control Cap (Includes Tank MSS and ISBL MSS)	CO_2 (5)	16,688	51	51	51
		CH_4 (5)	<1			
		N_2O (5)	<1			
		CO_2e	16,745			

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) CO_2 - carbon dioxide

N_2O - nitrous oxide
CH_4 - methane
HFCs - hydrofluorocarbons
PFCs - perfluorocarbons
SF_6 - sulfur hexafluoride
CO_2e - carbon dioxide equivalents based on the following Global Warming Potentials (1/2015):
CO_2 (1), N_2O (298), CH_4(25), SF_6 (22,800), HFC (various), PFC (various)

(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. These rates include emissions from maintenance, startup, and shutdown.
(5) Emission rate is given for informational purposes only and does not constitute enforceable limit.

Texas Commission on Environmental Quality
Air Quality Permit

A Permit Is Hereby Issued To
Buckeye Texas Processing LLC
Authorizing the Continued Operation of
Corpus Christi Refinery
Located at **Corpus Christi, Nueces County, Texas**
Latitude 27.817222 Longitude -97.502777

Permits: 109923, GHGPSDTX159 and PSDTX1502

Issuance Date: September 5, 2025

Expiration Date: September 5, 2035

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

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

Special Conditions

Permit Numbers 109923, PSDTX1502, and GHGPSDTX159

1. This permit authorizes Petroleum storage and refining operations for a facility located in Corpus Christi, Nueces County, Texas.

   This permit covers only those sources of emissions listed in the attached table entitled “Emission Sources — Maximum Allowable Emission Rates” (MAERT), and those sources are limited to the emission limits and other conditions specified in that table.

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

Federal Applicability

3. 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):

   A. Subpart A, General Provisions.

   B. Subpart Dc, Small Industrial-Commercial-Institutional Steam Generating Units.

   C. Subpart Ja, Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced after March 14, 2007.

   D. Subpart Kb, Volatile Organic Liquid Storage Vessels for which Construction, Reconstruction or Modification Commenced after July 23, 1984.

   E. Subpart GGGa, Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction or Modification Commenced after November 7, 2006.

   F. Subpart QQQ, VOC Emissions from Petroleum Refinery Wastewater Systems.

   G. Subpart IIII, Stationary Compression Ignition Internal Combustion Engines.

4. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on National Emission Standards for Hazardous Air Pollutants in 40 CFR Part 61:

   A. Subpart A, General Provisions.

   B. Subpart FF, Benzene Waste Operations.

5. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on National Emission Standards for Hazardous Air Pollutants for Source Categories in 40 CFR Part 63:

   A. Subpart A, General Provisions.

   B. Subpart ZZZZ, Stationary Reciprocating Internal Combustion Engines.

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

Emission Standards and Operational Specifications

Heaters and Boilers

7. The holder of this permit shall install a continuous H_2S monitoring system in a portion of the fuel gas system common to the combustion devices covered by this permit in accordance with the fuel sulfur monitoring requirements of 40 CFR §60.107a.

8. The permit holder shall not burn in any fuel gas combustion device (listed below) any fuel gas that contains H_2S in excess of 162 ppmv determined hourly on a 1-hour rolling average basis and H_2S in excess of 60 ppmv determined daily on a 365 successive calendar day rolling average basis.

EPN	Name
BOILER1	Boiler #1
BOILER2	Boiler #2
BOILER3	Boiler #3
HEATER1	Heater #1
HEATER2	Heater #2

9. The fuel gas shall be sampled every 6 months thereafter to determine net heating value. Test results from the fuel supplier may be used to satisfy this requirement.

10. Emissions from the heaters (EPNs HEATER1 and HEATER2) shall not exceed the following:

Pollutant	1-hr average	Rolling 12-month Average
NO_x	0.014 lb/MMBtu	0.010 lb/MMBtu
CO	50 ppmvd at 3% O_2	35 ppmvd at 3% O_2
NH_3	10 ppmv	—

11. The permit holder shall continuously monitor ammonia emissions from the heater SCR systems (EPNs HEATER1 and HEATER2) using one of the following methods:

    A. Install, calibrate, maintain, and operate a CEMS to measure and record the concentrations of NH_3. The NH_3 concentrations shall be corrected and reported in accordance with Special Condition No. 14.

    B. Any other method used for measuring NH_3 slip shall require prior approval from the TCEQ Regional Office.

    All CEMS specified in this condition must meet the requirements of Special Condition No. 14. Quality-assured (or valid) data must be generated when gas is directed to the SCR system. 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 that gas is directed to the SCR system over the previous rolling 12-month period. The

measurements missed shall be estimated using engineering judgment and the methods used recorded.

12. Aqueous ammonia storage tanks shall be located within a physical barrier to traffic. Tank containment shall be employed with a minimum of 110 percent of tank volume. Vapors resulting from the filling operations of the aqueous ammonia storage tank(s) shall be collected and vapor returned back to the transport vessel.

13. Aqueous ammonia storage tanks shall be vapor balanced so as to eliminate working loss emissions to the atmosphere resulting from filling operations. The fill level of the aqueous ammonia storage tank shall not exceed a level that is in line with good engineering practices, and shall include a high level alarm and a high-high level alarm. In addition, sealless pumps shall be used in all piping handling aqueous ammonia.

14. The permit holder shall install, calibrate, and maintain a continuous emission monitoring system (CEMS) to measure and record the in-stack concentration of CO, NO_x and O_2 from the heaters (EPNs HEATER1 and HEATER2).

    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, Title 40 Code of Federal Regulation Part 60 (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 Air, Air Permits Division for requirements to be met.

    B. Section 1 below applies to sources subject to the quality-assurance requirements of 40 CFR Part 60, Appendix F; section 2 applies to all other sources:

        (1) 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.

        (2) For the NH_3, CO, NO_x and O_2 CEMS, unless Appendix F is otherwise required by NSPS, state law or regulation, or permit or approval, in lieu of the requirements of 40 CFR Part 60 Appendix F 5.1.1, 5.1.3, and 5.1.4, the permit holder may conduct:

            (a) either a Relative Accuracy Audit (RAA) or a Relative Accuracy Test Audit (RATA) once every three (3) years; and

            (b) a Cylinder Gas Audit (CGA) each calendar quarter in which the RAA or RATA is not performed.

        (3) The system shall be zeroed and spanned daily, and corrective action taken when the 24-hour span drift exceeds two times the amounts specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B, or as specified by the TCEQ if not specified in Appendix B. Zero and span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days.

Each monitor shall be quality-assured at least quarterly using Cylinder Gas Audits (CGA) in accordance with 40 CFR Part 60, Appendix F, Procedure 1, Section 5.1.2, with the following exception: a relative accuracy test audit (RATA) is not required once every four quarters (i.e., four successive quarterly CGA may be conducted). An equivalent quality-assurance method approved by the TCEQ may also be used. Successive quarterly audits shall occur no closer than two months.

All CGA exceedances of ±15 percent accuracy indicate that the CEMS is out of control.

C. The permit holder shall install and operate a fuel flow meter to measure the gas fuel usage for each boiler and each heater. The monitored data shall be reduced to an hourly average flow rate at least once every day, using a minimum of four equally spaced data points from each one-hour period. Each 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 5 percent. In lieu of monitoring fuel flow, the permit holder may monitor stack exhaust flow using the flow monitoring specifications of 40 Code of Federal Regulations (CFR) Part 60, Appendix B, Performance Specification 6 or 40 CFR Part 75, Appendix A.

D. CEMs pollutant concentration data shall be reduced to at least 1-hour average concentrations. For rolling 12-months, the flow weighted average shall be determined and recorded at least monthly. Concentrations shall be used to calculate, following EPA Test Method 19,

(1) Compliance with the MAERT limits for CO, NO_x and NH_3 for EPNs HEATER1 and HEATER2; and

(2) Compliance with Special Condition 10.

Fuel flow shall be determined in accordance with Paragraph C of this condition. Fuel heating value shall be determined as the most recent value determined as required by Special Condition 9. Prior to availability of heating value data collected in accordance with Special Condition 8, the permit holder may use the heating value used in the permit application (PI-1 dated May 6, 2013 (as updated)) calculations to satisfy this requirement.

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 heater 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 heater operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgement 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.

Flares

15. All flares shall be designed and operated in accordance with requirements A–D.

A. The flare systems shall be designed such that the combined assist natural gas and waste stream to each flare meets the 40 CFR § 60.18 specifications of minimum heating value and maximum tip velocity under normal, upset, and maintenance flow conditions.

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

B. The flare shall be operated with a flame present at all times and/or have a constant pilot flame. The pilot flame shall be continuously monitored by a thermocouple, infrared monitor, or ultraviolet monitor. The time, date, and duration of any loss of pilot flame shall be recorded. Each monitoring device shall be accurate to, and shall be calibrated or have a calibration check performed 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. This shall be ensured by the use of either air assist or steam assist to the flare.

D. The permit holder shall comply with one of the following options for monitoring compliance with the requirements of Paragraph A of this condition. Additional monitoring options may be added to this paragraph on submission and approval of a permit alteration.

(1) The permit holder shall install a continuous flow monitor and composition analyzer that provides a record of the vent stream flow and composition (total VOC or Btu content) to the flare. The flow monitor sensor and analyzer sample points shall be installed in the vent stream as near as possible to the flare inlet such that the total vent stream to the flare is 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.

The monitors shall be calibrated or have a calibration check performed on an annual basis to meet the following accuracy specifications: the flow monitor shall be ±5.0%, temperature monitor shall be ±2.0% at absolute temperature, and pressure monitor shall be ±5.0 mm Hg;

Calibration of the analyzer shall follow the procedures and requirements of Section 10.0 of 40 CFR Part 60, Appendix B, Performance Specification 9, as amended through October 17, 2000 (65 FR 61744), except that the multi-point calibration procedure in Section 10.1 of Performance Specification 9 shall be performed at least once every calendar quarter instead of once every month, and the mid-level calibration check procedure in Section 10.2 of Performance Specification 9 shall be performed at least once every calendar week instead of once every 24 hours. The calibration gases used for calibration procedures shall be in accordance with Section 7.1 of Performance Specification 9. Net heating value of the gas combusted in the flare shall be calculated according to the equation given in 40 CFR §60.18(f)(3) as amended through October 17, 2000 (65 FR 61744).

The monitors and analyzers shall operate as required by this section at least 95% of the time when the flare is operational, averaged over a rolling 12-month period. Flared gas net heating value and actual exit velocity determined in accordance with 40 CFR §§60.18(f)(3) and 60.18(f)(4) shall be recorded at least once every hour. Hourly mass emission rates shall be determined and recorded using the above readings and the emission factors used in the permit application PI-1 dated May 6, 2013 (as updated).

(2) The permit holder shall install a continuous flow monitor and calorimeter that provides a record of the vent stream flow and Btu content to the flare. The flow monitor sensor and analyzer sample points shall be installed in the vent stream as near as possible to the flare inlet such that the total vent stream to the flare is measured and analyzed. Readings shall be taken at least once every 15 minutes and the average hourly values of the flow and Btu content shall be recorded each hour.

The monitors shall be calibrated or have a calibration check performed on an annual basis to meet the following accuracy specifications: the flow monitor shall be ±5.0%, temperature monitor shall be ±2.0% at absolute temperature, and pressure monitor shall be ±5.0 mm Hg;

The calorimeter shall be calibrated, installed, operated, and maintained, in accordance with manufacturer recommendations, to continuously measure and record the net heating value of the gas sent to the flare, in British thermal units/standard cubic foot of the gas.

The monitors and analyzers shall operate as required by this section at least 95% of the time when the flare is operational, averaged over a rolling 12 month period. Flared gas net heating value and actual exit velocity determined in accordance with 40 CFR §§60.18(f)(3) and 60.18(f)(4) shall be recorded at least once every hour. Hourly mass emission rates shall be determined and recorded using the above readings and the emission factors used in the permit application PI-1 dated May 6, 2013 (as updated).

The following requirements shall apply to capture systems at the flares:

E. The permit holder shall comply with either of the following requirements:

(1) Conduct a once a month visual, audible, and/or olfactory inspection of each capture system to verify there are no leaking components in the capture system; or

(2) Once a year, verify that each capture system is leak-free by inspecting in accordance with 40 CFR Part 60, Appendix A, Test Method 21. Leaks shall be indicated by an instrument reading greater than or equal to 500 ppmv above background.

F. The control device shall not have a bypass. Or, if there is a bypass for the control device, the permit holder shall comply with either of the following requirements:

(1) Install a flow meter that records and verifies zero flow at least once every fifteen minutes immediately downstream of each valve that, if opened, would allow a

vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere; or

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

A bypass does not include authorized analyzer vents, highpoint bleeder vents, low point drains, rupture discs upstream of pressure relief valves if the pressure between the disc and relief valve is monitored and recorded at least weekly, or directing the waste stream to an approved control device as listed in Special Condition No. 39. A deviation shall be reported if the monitoring or inspections indicate bypass of the control device when it is required to be in service.

G. Records of the inspections required shall be maintained on site. If the results of any of the above inspections are not satisfactory, the permit holder shall promptly take necessary corrective action.

Equipment Leaks

16. Piping, Valves, Connectors, Pumps, Agitators, and Compressors — 28VHP

The following requirements apply to piping, valves, connectors, pumps, agitators, and compressors containing or in contact with fluids that could reasonably be expected to contain greater than or equal to 10 weight percent volatile organic compounds (VOC) at any time.

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

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

- piping and instrumentation diagram (PID);
- a written or electronic database or electronic file;
- color coding;
- a form of weatherproof identification; or
- designation of exempted process unit boundaries.

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

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

D. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak-checking during plant operation. Difficult-to-monitor and unsafe-to-monitor valves, as defined by Title 30 Texas

Administrative Code Chapter 115 (30 TAC Chapter 115), shall be identified in a list to be made readily available upon request. The difficult-to-monitor and unsafe-to-monitor valves may be identified by one or more of the methods described in Paragraph A above. If an unsafe to monitor component is not considered safe to monitor within a calendar year, then it shall be monitored as soon as possible during safe to monitor times. A difficult to monitor component for which quarterly monitoring is specified may instead be monitored annually.

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

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

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

or

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

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

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

The gas analyzer shall conform to requirements listed in Method 21 of 40 CFR part 60, appendix A. The gas analyzer shall be calibrated with methane. In addition, the response factor of the instrument for a specific VOC of interest shall be determined and meet the requirements of Section 8 of Method 21. If a mixture of VOCs is being monitored, the response factor shall be calculated for the average composition of the process fluid. A

calculated average is not required when all of the compounds in the mixture have a response factor less than 10 using methane. If a response factor less than 10 cannot be achieved using methane, then the instrument may be calibrated with one of the VOC to be measured or any other VOC so long as the instrument has a response factor of less than 10 for each of the VOC to be measured.

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

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

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

I. A leaking component shall be repaired as soon as practicable, but no later than 15 days after the leak is found. If the repair of a component would require a unit shutdown that would create more emissions than the repair would eliminate, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging within 15 days of the detection of the leak. A listing of all components that qualify for delay of repair shall be maintained on a delay of repair list. The cumulative daily emissions from all components on the delay of repair list shall be estimated by multiplying by 24 the mass emission rate for each component calculated in accordance with the instructions in 30 TAC 115.782 (c)(1)(B)(i)(II). The calculations of the cumulative daily emissions from all components on the delay of repair list shall be updated within ten days of when the latest leaking component is added to the delay of repair list. When the cumulative daily emission rate of all components on the delay of repair list times the number of days until the next scheduled unit shutdown is equal to or exceeds the total emissions from a unit shut down as calculated in accordance with 30 TAC 115.782 (c)(1)(B)(i)(I) or 500 pounds, whichever is greater, the TCEQ Regional Manager and any local programs shall be notified and the TCEQ Executive Director may require early unit shut down or other appropriate action based on the number and severity of tagged leaks awaiting shutdown. This notification shall be made within 15 days of making this determination.

J. Records of repairs shall include date of repairs, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of instrument monitoring shall indicate dates and times, test methods, and instrument readings. The instrument monitoring record shall include the time that monitoring took place for no less than 95% of the instrument

readings recorded. Records of physical inspections shall be noted in the operator's log or equivalent.

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

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

17. In addition to the weekly physical inspection required by Item E of Special Condition 16, all connectors in gas/vapor and light liquid service shall be monitored annually with an approved gas analyzer in accordance with Items F thru J of Special Condition 16. Alternative monitoring frequency schedules ("skip options") of Title 40 Code of Federal Regulations Part 63, Subpart H, National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks, may be used in lieu of the monitoring frequency required by this permit condition. Compliance with this condition does not assure compliance with requirements of applicable state or federal regulation and does not constitute approval of alternative standards for these regulations. (28CNTA)

18. Piping, Valves, Pumps, and Compressors in Ammonia (NH_3) Service

A. Audio, olfactory, and visual checks for NH_3 leaks within the operating area shall be made once per shift.

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

(1) Isolate the leak.

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

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

C. Stored aqueous NH_3 must have a concentration of less than 20% NH_3 by weight.

D. Date and time of each inspection shall be noted in the operator's log or equivalent. Records shall be maintained at the plant site of all repairs and replacements made due to leaks. These records shall be made available to representatives of the Texas Commission on Environmental Quality (TCEQ) upon request.

Cooling Tower

19. The cooling tower (EPN CT1) shall be operated and monitored in accordance with the following:

A. The VOC associated with cooling tower water shall be monitored monthly with an air stripping system meeting the requirements of the TCEQ Sampling Procedures Manual, Appendix P (dated January 2003 or a later edition) or an approved equivalent sampling method. The results of the monitoring, cooling water flow rate, and maintenance activities on the cooling water system shall be recorded. The monitoring results and cooling water hourly mass flow rate shall be used to determine cooling tower hourly VOC emissions. The rolling 12-month cooling water emission rate shall be recorded on a

monthly basis and be determined by summing the VOC emissions between VOC monitoring periods over the rolling 12-month period. The emissions between VOC monitoring periods shall be obtained by multiplying the total cooling water mass flow between cooling water monitoring periods by the higher of the 2 VOC monitored results.

B. Each cooling tower shall be equipped with drift eliminators having manufacturer's design assurance of 0.001% drift or less. Drifts eliminators shall be maintained and inspected at least annually. The permit holder shall maintain records of all inspections and repairs.

C. Total dissolved solids (TDS) shall not exceed 12,000 parts per million by weight (ppmw). Dissolved solids in the cooling water drift are considered to be emitted as PM, PM_{10}, and $PM_{2.5}$ as represented in the permit application calculations.

D. Cooling water shall be sampled at least once per week for TDS.

Cooling water sampling shall be representative of the cooling tower feed water and shall be conducted using approved methods.

The analysis method for TDS shall be EPA Method 160.1, ASTM D5907, and SM 2540 C [SM - 19th edition of Standard Methods for Examination of Water]. Water samples should be capped upon collection and transferred to a laboratory area for analysis. Short term and annual average emission rates of PM, PM_{10} and $PM_{2.5}$ shall be calculated using the measured TDS, the design drift rate and the daily maximum and average actual cooling water circulation rate. Alternately, the design maximum circulation rate may be used for all calculations.

Alternate sampling and analysis methods may be used to comply with Paragraph D requirements on written approval from the TCEQ Regional Director.

E. Records of all instrument calibrations and test results and process measurements used for the emission calculations shall be retained.

Emission rates of PM, PM_{10} and $PM_{2.5}$ shall be calculated using the measured TDS, the design drift rate and the daily maximum and average actual cooling water circulation rate for the short term and annual average rates. Alternately, the design maximum circulation rate may be used for all calculations. Emission records shall be updated monthly.

Storage Tanks

20. Tanks are authorized to store the liquids identified below with the maximum tank fill/drain rates based on routine operation.

EPN	Tank Type	Service	Maximum Fill/Drain Rate (bbl/hr)
TK-1001	IFR	Crude Oil/Condensate	24,000
TK-1002	IFR	Crude Oil/Condensate	24,000
TK-1003	IFR	Crude Oil/Condensate	24,000
TK-1004	IFR	Crude Oil/Condensate	30,000
TK-1005	IFR	Crude Oil/Condensate/Light Naphtha/Heavy Naphtha/Jet Fuel/Kerosene/Distillate/ATB	30,000
TK-1006	IFR	Crude Oil/Condensate	30,000
TK-2001	IFR	Jet Fuel/Kerosene/Distillate	24,000
TK-2002	IFR	Jet Fuel/Kerosene/Distillate	24,000
TK-2003	IFR	Jet Fuel/Kerosene/Distillate	24,000
TK-2004	IFR	Jet Fuel/Kerosene/Distillate	24,000
TK-2005	VFR	Atmospheric Tower Bottoms	24,000
TK-2006	VFR	Atmospheric Tower Bottoms	24,000
TK-3001	IFR	Heavy Naphtha	24,000
TK-3002	IFR	Heavy Naphtha	24,000
TK-3003	IFR	Heavy Naphtha	24,000
TK-3004	IFR	Light Naphtha	24,000
TK-3005	IFR	Light Naphtha	24,000
DESLTK1	HFR	Diesel	5.48
DESLTK2a	HFR	Diesel	4.57
DESLTK2b	HFR	Diesel	40.48
DESLTK3a	HFR	Diesel	238.10
DESLTK3b	HFR	Diesel	238.10
DESLTK3c	HFR	Diesel	238.10
DESLTK3d	HFR	Diesel	238.10
DESLTK4	HFR	Diesel	11.90
DESLTK6	HFR	Diesel	5.48
FWDSLTK2	HFR	Diesel	20.95
FWDSLTK3	HFR	Diesel	20.95
FWDSLTK4	HFR	Diesel	13.10
FWDSLTK5	HFR	Diesel	13.10

The tank liquid level shall be continuously monitored for each storage tank, and the level shall be recorded at least once every 15 minutes. The changes in liquid level shall be used in conjunction with the inner diameter of the tank and appropriate unit conversion factors in order to calculate effective throughput rate on an hourly basis. These calculations shall be performed monthly for the previous calendar month, and the calculated throughputs shall be used in the corresponding tank calculations and to demonstrate compliance with the fill and withdrawal limits indicated above. In lieu of continuous monitoring, vendor design documentation may be used to demonstrate that the indicated fill and/or withdrawal rates cannot be exceeded.

21. Storage tanks are subject to the following requirements: The control requirements specified in parts A–E of this condition shall not apply (1) where the VOC has an aggregate partial pressure of less than 0.50 psia at the maximum feed temperature or 95°F, whichever is greater, or (2) to storage tanks smaller than 25,000 gallons.

A. The tank emissions must be controlled as specified in one of the paragraphs below:

(1) An internal floating deck or "roof" shall be installed. A domed external floating roof tank is equivalent to an internal floating roof tank. The floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the floating roof: (1) a liquid-mounted seal, (2) two continuous seals mounted one above the other, or (3) a mechanical shoe seal.

(2) An open-top tank shall contain a floating roof (external floating roof tank) which uses double seal or secondary seal technology provided the primary seal consists of either a mechanical shoe seal or a liquid-mounted seal and the secondary seal is rim-mounted. A weathershield is not approvable as a secondary seal unless specifically reviewed and determined to be vapor tight.

B. The concentration of organic vapor in the vapor space above the internal floating roof shall not exceed 30 percent of its lower explosive limit (LEL). The permit holder shall visually inspect the rim seal system and roof openings and use an explosimeter to measure the LEL on a semiannual basis. Records shall be maintained of the dates the inspections and measurements were made, results of inspections and measurements made (including raw data), and actions taken to correct any deficiencies noted.

C. Tanks shall be constructed or equipped with a connection to a vapor recovery system that routes vapors from the vapor space under the landed roof (roof not floating on liquid) to a control device.

D. For any tank equipped with a floating roof, the permit holder shall perform the visual inspections and any seal gap measurements specified in Title 40 Code of Federal Regulations § 60.113b (40 CFR § 60.113b) Testing and Procedures (as amended at 54 FR 32973, Aug. 11, 1989) to verify fitting and seal integrity. Records shall be maintained of the dates inspection was performed, any measurements made, results of inspections and measurements made (including raw data), and actions taken to correct any deficiencies noted.

E. The floating roof design shall incorporate sufficient flotation to conform to the requirements of API Code 650 dated November 1, 1998, except that an internal floating cover need not be designed to meet rainfall support requirements and the materials of construction may be steel or other materials.

F. Except for labels, logos, etc. not to exceed 15 percent of the tank total surface area, uninsulated tank exterior surfaces exposed to the sun shall be white or unpainted aluminum. Storage tanks must be equipped with permanent submerged fill pipes.

G. The permit holder shall maintain an emissions record which includes calculated emissions of VOC from all storage tanks during the previous calendar month and the past consecutive 12-month period. The record shall include tank identification number, control method used, tank capacity in gallons, name of the material stored, VOC molecular weight, VOC monthly average temperature in degrees Fahrenheit, VOC vapor pressure at the monthly average material temperature in psia, VOC throughput for the previous month and year-to-date. Records of VOC monthly average temperature are not required

to be kept for unheated tanks which receive liquids that are at or below ambient temperatures.

Emissions from tanks shall be calculated using the methods that were used to determine the MAERT limits in the permit application. Sample calculations from the application shall be attached to a copy of this permit at the plant site.

22. The following requirements apply to any atmospheric storage tank receiving or storing materials with a Reid Vapor Pressure (RVP) in excess of 11 pounds per square inch:

A. The permit holder shall reduce the temperature and/or vapor pressure of the stored material as needed to maintain a vapor pressure of less than 11.0 psia at actual storage conditions in each storage tank.

B. For all tanks storing compounds requiring temperature and/or vapor pressure monitoring per paragraph A of this special condition, the following sampling, monitoring and recordkeeping requirements apply:

(1) The liquid temperature shall be measured at a depth not to exceed 10 feet below the liquid surface and recorded on a daily basis.

The temperature monitor shall be calibrated on an annual basis to meet an accuracy specification of ±0.75 percent of the temperature being measured expressed in degrees Celsius or ±2.5ºC. Up to 5 percent invalid monitoring data is acceptable on a rolling 12-month basis provided it is only generated when the monitor is broken down, out-of-control (producing inaccurate data); being repaired, having maintenance performed, or being calibrated. The data availability shall be calculated as the total tank operating hours for which quality assured data was recorded divided by the total tank hours in service. Invalid data generated due to other reasons is not allowed. The measurements missed shall be estimated using engineering judgment and the methods used recorded.

(2) Sampling for RVP shall be completed monthly, as well as within 7 days of a product delivery, using the ASTM test method D5191 - Standard Test Method for Vapor Pressure of Petroleum Products methodology. Other ATSM test methods may be used provided that they are appropriate for the material being sampled, such as ASTM test method D323 - Standard Test Method for Vapor Pressure of Petroleum Products. **(04/18)**

C. Compliance with paragraph A of this special condition shall be determined from temperature monitoring data and the most recent RVP sample from each tank. Compliance shall be determined by utilizing the equation found in Figure 7.1-14b found in US EPA AP-42 Chapter 7.1 (reproduced below). For the distillation slope (S), a value of 3.5 shall be used if the RVP is greater than 9 psia, a value of 3 shall be used if the RVP is between 8 and 9 psia, and a value of 2.5 shall be used if the RVP is under 8 psia, per EPA guidance. If the EPA updates AP-42 Chapter 7.1, the most recent equation for vapor pressure of refined petroleum stocks and the most recent guidance for distillation slope shall be used. **(04/18)**

$$P = \exp\left\{\begin{array}{c}\left[0.7553 - \left(\frac{413.0}{T+459.6}\right)\right] S^{0.5} \log_{10}(RVP) - \left[1.854 - \left(\frac{1042}{T+459.6}\right)\right] S^{0.5} \\ + \left[\left(\frac{2416}{T+459.6}\right) - 2.013\right] \log_{10}(RVP) - \left(\frac{8742}{T+459.6}\right) + 15.64\end{array}\right\}$$

Where:

P is stock true vapor pressure in psi absolute

T is stock temperature in ^{o}F

RVP is Reid vapor pressure in psi; and

S is the slope of the ASTM distillation curve at 10 percent evaporated in ^{o}F / %

Note: This equation was derived from a regression analysis of points read off Figure 7.1-14a over the full range of Reid vapor pressures, slopes of the ASTM distillation curve at 10 percent evaporated, and stock temperatures. In general, the equation yields P values that are within +0.05 pound per square inch absolute of the values obtained directly from the nomograph.

D. If measured temperature and/or vapor pressure indicate an excursion above the maximum vapor pressure requirements of paragraph A of this special condition, the permit holder may take up to 72 hours to lower the product temperature such that the liquid vapor pressure is below the permissible level. The method used to lower the product temperature shall be documented.

E. Records of temperature and RVP monitoring data specified in special condition nos. 22(B) through 22(D) shall be kept for a period of 5 years.

23. Storage tanks authorized by this permit to store crude oil (including Canadian Bitumen and Condensate) are subject to the following requirements:

A. Tanks in crude oil service shall be subject to the requirements in Paragraphs B–D during any calendar month that they are in such service. For all other tanks, service shall be documented on a monthly basis.

B. The hydrogen sulfide in the vapor space of any tank subject to this condition shall not exceed 24 parts per million by volume (ppmv).

C. The permit holder shall conduct sampling to determine the concentration of H_2S in tank vapor spaces. H_2S concentration may be determined using an instrument meeting one of the following two requirements:

(1) Special Condition 32.B, except that the “release concentration” shall be 24 ppmv, or

(2) Special Condition 32.D

Additional analytical methods may be approved by the TCEQ Regional Office.

D. The frequency of sampling shall be the more frequent of:

(1) annual; or

(2) within 60 days of any change of service for an affected tank.

Wastewater

24. Process wastewater shall be immediately directed to a covered system. All lift stations, manholes, junction boxes, conveyances, and any other wastewater facilities shall be covered to minimize emissions.

    Fixed roof storage tanks storing wastewater shall be vented to a control device meeting the requirements of Special Condition 39.A, with the following exception to Paragraph A.(4): When the condition of breakthrough of VOC from the initial saturation canister occurs, the waste gas flow shall be switched to the second canister and a fresh canister shall be placed as the new final polishing canister within four hours, or within the sampling frequency time period provided by Paragraph A.(2), not to exceed twenty-four hours.

25. The daily wastewater flow into the wastewater treatment plant shall be monitored and recorded. The rolling 12-month wastewater flow shall be totaled on a monthly basis.

26. The permit holder shall conduct daily sampling of the inlet wastewater stream for Chemical Oxygen Demand (COD). A sampling plan and procedures shall be developed, and these plans and procedures shall conform to EPA Reference Method 25D (40 CFR Part 60, Appendix A). The total VOC in the wastewater shall be calculated using the inlet COD measurement using the equations below. Inlet wastewater flow rate shall be monitored during the sampling and the average flow rate and average VOC concentration shall be used to calculate total VOC loading from process wastewater.

    A. Total VOC loading shall be computed as follows:

$$L = \frac{C \times Q}{(1 \times 10^6)} \times \left(60 \frac{min}{hr}\right) \times \left(8.345 \frac{lb}{gal}\right)$$

    Where:

    L is total VOC loading in lb VOC/hr

    C is total VOC weight concentration in ppmw, calculated in section D below; and

    Q is the inlet wastewater stream flow rate in gal/min

    B. Actual short-term wastewater emissions (E) shall be calculated on a monthly basis as follows:

    If the pretreatment system is operational and being used:

$$E = 3.05 \ \frac{lb}{hr} \times \left(\frac{L}{26.77 \ lb/hr}\right)$$

    Where:

    L is total VOC loading as calculated in Paragraph A

Rolling 12-months wastewater emissions shall be calculated by assuming continuous emissions for a given sample at an hourly rate equal to E until the collection time of the next wastewater sample.

If the pretreatment system is being bypassed:

$$E = 7.57 \frac{lb}{hr} \times \left(\frac{L}{37.97\ lb/hr} \right)$$

Where:

L is total VOC loading as calculated in Paragraph A. Rolling 12-months wastewater emissions shall be calculated by assuming continuous emissions for a give sample at an hourly rate equal to E until the collection time of the next wastewater sample.

C. The minimum mixed liquor total suspended solids (MLSS) concentration in the aeration basins on a daily average basis shall not be less than 1,000 mg/L. The MLSS concentration is the arithmetic average of all samples collected during the 24-hour period. The MLSS concentrations shall be monitored and recorded daily using Method 160.2 (Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020 or Method 2540D (Standard Methods of the Examination of Water and Wastewater, 18th Edition, American Public Health Association).

D. COD shall be analyzed using ASTM D1252 or equivalent method, utilizing reagents which correct for chloride interference, as necessary.

For the COD based analysis, the VOC weight concentration in ppmw (C) of the inlet wastewater shall be determined as follows:

$$C = \frac{COD_{VOC} \times MW_C}{X_{O:C} \times 1000 \times MW_O} \times 1{,}000{,}000$$

Where:

MW_O is the molecular weight of oxygen (15.999 g/gmol).

COD_{VOC} is filtered COD measurement (mg/L)

MW_C is the molecular weight of carbon (12.011 g/gmol).

$X_{O:C}$ is the stoichiometric ratio of oxygen to the average carbon chain length of the hydrocarbon mixture required to fully oxidize the hydrocarbon in wastewater (for a weighted average stochiometric ratio of 1: 2.75).

C is the concentration of VOC in the inlet wastewater (ppmw).

Initial Demonstration of Compliance

27. Sampling ports and platform(s) shall be incorporated into the design of each boiler and each heater (EPNs BOILER1, BOILER2, BOILER3, HEATER1, HEATER2) 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.

28. 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 heaters (EPNs HEATER1 and HEATER2) to demonstrate compliance with the MAERT and with Special Condition 10. 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 Texas Commission on Environmental Quality (TCEQ) Sampling Procedures Manual and the U.S. Environmental Protection Agency (EPA) Reference Methods.

    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 Title 40 Code of Federal Regulation Part 60 (40 CFR Part 60) testing which must have EPA approval shall be submitted to the TCEQ Regional Director.

    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 used to determine worst case emissions (such as production rate, temperature for incinerators, etc. These set operating parameters to be monitored and operating limits in other permit conditions) 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 the heaters to be tested for include (but are not limited to) CO, NO_x, $PM_{2.5}$ (condensable and filterable), and NH_3.

    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 facilities (or increase in production, as appropriate) and at such other times (identify the need for any periodic sampling here) as

may be required by the TCEQ Executive Director. Requests for additional time to perform sampling shall be submitted to the appropriate regional office.

D. The facility being sampled shall operate at the maximum crude feed rate. The crude feed rate 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.

During subsequent operations, if the crude feed rate is greater than 110% of the value recorded during the test period, stack sampling shall be performed at the new operating conditions within 120 days. This sampling may be waived by the TCEQ Air Section Manager for the region.

E. Copies of the final sampling report shall be forwarded to the offices below 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. The reports shall be distributed as follows:

One copy to the appropriate TCEQ Regional Office.

Planned Maintenance, Startup and Shutdown

General

29. This permit authorizes the emissions from the facilities and planned maintenance, startup, and shutdown (MSS) activities identified in the MSS Activity Summary (Attachment C) attached to this permit.

Attachment A identifies the inherently low emitting MSS activities that may be performed at the plant. Emissions from activities identified in Attachment A shall be considered to be equal to the potential to emit represented in the permit application. The estimated emissions from the activities listed in Attachment A must be revalidated annually. This revalidation shall consist of the estimated emissions for each type of activity and the basis for that emission estimate.

Routine maintenance activities, as identified in Attachment B may be tracked through the work orders or equivalent. Emissions from activities identified in Attachment B shall be calculated using the number of work orders or equivalent that month and the emissions associated with that activity identified in the permit application.

The performance of each planned MSS activity not identified in Attachments A or B and the emissions associated with it shall be recorded and include at least the following information:

A. the process unit at which emissions from the MSS activity occurred, including the emission point number and common name of the process unit;

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

C. the common name and the facility identification number, if applicable, of the facilities at which the MSS activity and emissions occurred;

D. the date and time of the MSS activity and its duration;

E. 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.

All MSS emissions shall be summed monthly and the rolling 12-month emissions shall be updated on a monthly basis.

30. This permit authorizes emissions from the following temporary facilities used to support planned MSS activities at permanent site facilities: frac tanks, containers, vacuum trucks, facilities used for painting or abrasive blasting, portable control devices identified in Special Condition 39, and controlled recovery systems. Emissions from temporary facilities are authorized provided the temporary facility (a) does not remain on the plant site for more than 12 consecutive months, (b) is used solely to support planned MSS activities at the permanent site facilities listed in this Attachment, and (c) does not operate as a replacement for an existing authorized facility.

Vessel Clearing and Degassing

31. Process units and facilities, with the exception of those identified in Special Conditions 33, 34, 36, and Attachment A shall be depressurized, emptied, degassed, and placed in service in accordance with the following requirements.

A. The process equipment shall be depressurized to a control device or a controlled recovery system prior to venting to atmosphere, degassing, or draining liquid. Equipment that only contains material that is liquid with VOC partial pressure less than 0.50 psi at the normal process temperature and 95°F may be opened to atmosphere and drained in accordance with paragraph C of this special condition. The vapor pressure at 95°F may be used if the actual temperature of the liquid is verified to be less than 95°F and the temperature is recorded.

B. If mixed phase materials must be removed from process equipment, the cleared material shall be routed to a knockout drum or equivalent to allow for managed initial phase separation. If the VOC partial pressure is greater than 0.50 psi at either the normal process temperature or 95°F, any vents in the system must be routed to a control device or a controlled recovery system. The vapor pressure at 95°F may be used if the actual temperature of the liquid is verified to be less than 95°F and the temperature is recorded. Control must remain in place until degassing has been completed or the system is no longer vented to atmosphere.

C. All liquids from process equipment or storage vessels must be removed to the maximum extent practical prior to opening equipment to commence degassing and/or maintenance. Liquids must be drained into a closed vessel or closed liquid recovery system unless prevented by the physical configuration of the equipment. If it is necessary to drain liquid into an open pan or sump, the liquid must be covered or transferred to a covered vessel within one hour of being drained.

D. If the VOC partial pressure is greater than 0.50 psi at the normal process temperature or 95°F, facilities shall be degassed using good engineering practice to ensure air

contaminants are removed from the system through the control device or controlled recovery system to the extent allowed by process equipment or storage vessel design. The vapor pressure at 95°F may be used if the actual temperature of the liquid is verified to be less than 95°F and the temperature is recorded. The facilities to be degassed shall not be vented directly to atmosphere, except as necessary to establish isolation of the work area or to monitor VOC concentration following controlled depressurization. The venting shall be minimized to the maximum extent practicable, and actions taken recorded. The control device or recovery system utilized shall be recorded with the estimated emissions from controlled and uncontrolled degassing calculated using the methods that were used to determine allowable emissions for the permit application.

(1) For MSS activities identified in Attachment B, the following option may be used in lieu of (2) below. The facilities being prepared for maintenance shall not be vented directly to atmosphere until the VOC concentration has been verified to be less than 10 percent of the lower explosive limit (LEL) per the site safety procedures.

(2) The locations and/or identifiers where the purge gas or steam enters the process equipment or storage vessel and the exit points for the exhaust gases shall be recorded. If the process equipment is purged with a gas, two system volumes of purge gas must have passed through the control device or controlled recovery system before the vent stream may be sampled to verify acceptable VOC concentration prior to uncontrolled venting. The VOC sampling and analysis shall be performed using an instrument meeting the requirements of Special Condition 32. The sampling point shall be upstream of the inlet to the control device or controlled recovery system. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the process equipment or vessel being purged. If there is not a connection available from which a representative sample may be obtained, a sample may be taken upon entry into the system after degassing has been completed. The sample shall be taken from inside the vessel so as to minimize any air or dilution from the entry point. The facilities shall be degassed to a control device or controlled recovery system until the VOC concentration is less than 10,000 ppmv or 10 percent of the LEL. Documented site procedures used to de-inventory equipment to a control device for safety purposes (i.e., hot work or vessel entry procedures) that achieve at least the same level of purging may be used in lieu of the above.

E. Gases and vapors with VOC partial pressure greater than 0.50 psi may be vented directly to atmosphere if all the following criteria are met:

(1) It is not technically practicable to depressurize or degas, as applicable, into the process.

(2) There is not an available connection to a plant control system (flare).

(3) There is no more than 50 lb of air contaminant to be vented to atmosphere during shutdown or startup, as applicable.

All instances of venting directly to atmosphere per Paragraph E must be documented when occurring as part of any MSS activity. The emissions associated with venting without control must be included in the work order or equivalent for those planned MSS activities identified in Attachment B.

Approved Measurement Methods

32. Air contaminant concentration shall be measured using an instrument/detector meeting one set of requirements specified below.

A. VOC concentration shall be measured using an instrument meeting all the requirements specified in EPA Method 21 (40 CFR 60, Appendix A) with the following exceptions:

(1) The instrument shall be calibrated within 24 hours of use with a calibration gas such that the response factor (RF) of the VOC (or mixture of VOCs) to be monitored shall be less than 2.0. The calibration gas and the gas to be measured, and its approximate (RF) shall be recorded. (In the event that the applicant can demonstrate that they cannot obtain a calibration gas that meets the requirements of the first sentence, then a calibration gas may be selected such that the RF of VOCs (or mixtures of VOCs) to be monitored is over 2.0. If the RF of the VOC (or mixture of VOCs) to be monitored is greater than 2.0, the VOC concentration shall be determined as follows:

VOC Concentration = Concentration as read from the instrument*RF

In no case should a calibration gas be used such that the RF of the VOC (or mixture of VOCs) to be monitored is greater than 5.0.

(2) Sampling shall be performed as directed by this permit in lieu of section 8.3 of Method 21. During sampling, data recording shall not begin until after two times the instrument response time. The date and time shall be recorded, and VOC concentration shall be monitored for at least 5 minutes, recording VOC concentration each minute. As an alternative the VOC concentration may be monitored over a five-minute period with an instrument designed to continuously measure concentration and record the highest concentration read. The highest measured VOC concentration shall be recorded and shall not exceed the specified VOC concentration limit prior to uncontrolled venting.

B. Colorimetric gas detector tubes may be used to determine air contaminant concentrations if they are used in accordance with the following requirements.

(1) The air contaminant concentration measured as defined in (3) is less than 80 percent of the range of the tube and is at least 20 percent of the maximum range of the tube.

(2) The tube is used in accordance with the manufacturer's guidelines.

(3) At least 2 samples taken at least 5 minutes apart must satisfy the following prior to uncontrolled venting:

measured contaminant concentration (ppmv) < release concentration.

Where the release concentration is:

10,000*mole fraction of the total air contaminants present that can be detected by the tube.

The mole fraction may be estimated based on process knowledge. The release concentration and basis for its determination shall be recorded.

Records shall be maintained of the tube type, range, measured concentrations, and time the samples were taken.

C. Lower explosive limit measured with a lower explosive limit detector.

(1) The detector shall be calibrated within 30 days of use with a certified pentane gas standard at 25% of the lower explosive limit (LEL) for pentane. Records of the calibration date/time and calibration result (pass/fail) shall be maintained.

(2) A functionality test shall be performed on each detector within 24 hours of use with a certified gas standard at 25% of the LEL for pentane (this should match the standard used for the calibration). The LEL monitor shall read no lower than 90% of the calibration gas certified value. Records, including the date/time and test results, shall be maintained.

(3) A certified methane gas standard equivalent to 25% of the LEL for pentane may be used for calibration and functionality tests provided that the LEL response is within 95% of that for pentane.

D. Hydrogen sulfide (H_2S) concentrations may be determined using an electrochemical detector, provided that it is used in accordance with the following requirements pursuant to Alternative Method of Compliance (AMOC) No. 244, authorized on December 4, 2024:

(1) Manufacturer's recommendations and guidelines regarding training, operation, sampling time, storage, and maintenance as specified for the given detector/meter/sensor model shall be followed.

(2) The appropriate detector span shall be based on the expected actual concentration range in a given tank's vapor space. The detection limit for the electrochemical detector shall be either no more than one-tenth of the limit that is being complied with or has a detection limit that is no more than one half of a reading that followed this condition and was confirmed from the given sample point within the last 12 hours. The H2S concentration measured must also be less than 80% of the manufacturer's specified span/range for the electrochemical detector.

(3) Detectors shall meet the following:

i. For spans of 0 - 199 ppm: Precision/Resolution – 2 ppm, Repeatability/Standard Deviation – 10%

ii. For spans of 200 - 1999 ppm: Precision/Resolution – 20 ppm, Repeatability/Standard Deviation – 10%

iii. For spans of 2000 ppm or more: Precision/Resolution – 100 ppm, Repeatability/Standard Deviation – 10%

(4) A functionality test shall be performed on the electrochemical detector within 24 hours of use with a certified standard of at least 50% of the detector's resolution (1 ppm, 10 ppm, or 50 ppm, respectively for the spans listed above).

(5) Records, including the date/time and test results, shall be maintained.

Tank Maintenance and Floating Roof Landings

33. This permit authorizes emissions from the tank EPNs (TK-1001, TK-1002, TK-1003, TK-1004, TK-1005, TK-1006, TK-2001, TK-2002, TK-2003, TK-2004, TK-3001, TK-3002, TK-3003, TK-3004, and TK-3005) and MSS for the storage tanks identified in the attached facility list during planned floating roof landings. Tank roofs may only be landed for changes of tank service or tank inspection/maintenance as identified in the permit application. Emissions from change of service tank landings, for which the tank is not cleaned and degassed, shall not exceed 10 tons of VOC in any rolling 12-month period. Tank roof landings include all operations when the tank floating roof is on its supporting legs. These emissions are subject to the maximum allowable emission rates indicated on the MAERT. The following requirements apply to tank roof landings.

A. The tank liquid level shall be continuously lowered after the tank floating roof initially lands on its supporting legs until the tank has been drained to the maximum extent practicable without entering the tank. Liquid level may be maintained steady for a period of up to two hours if necessary to allow for valve lineups and pump changes necessary to drain the tank. This requirement does not apply where the vapor under a floating roof is routed to control or a controlled recovery system during this process.

B. If the VOC partial pressure of the liquid previously stored in the tank is greater than 0.50 psi at 95°F, tank refilling or degassing of the vapor space under the landed floating roof must begin within 24 hours after the tank has been drained unless the vapor under the floating roof is routed to control or a controlled recovery system during this period. The tank shall not be opened except as necessary to set up for degassing and cleaning, Floating roof tanks with liquid capacities less than 100,000 gallons may be degassed without control if the VOC partial pressure of the standing liquid in the tank has been reduced to less than 0.02 psia prior to ventilating the tank. Controlled degassing of the vapor space under landed roofs shall be completed as follows:

(1) Any gas or vapor removed from the vapor space under the floating roof must be routed to a control device or a controlled recovery system and controlled degassing must be maintained until the VOC concentration is less than 10,000 ppmv or 10 percent of the LEL. The locations and identifiers of vents other than permanent roof fittings and seals, control device or controlled recovery system, and controlled exhaust stream shall be recorded. There shall be no other gas/vapor flow out of the vapor space under the floating roof when degassing to the control device or controlled recovery system.

(2) The vapor space under the floating roof shall be vented using good engineering practice to ensure air contaminants are flushed out of the tank through the control device or controlled recovery system to the extent allowed by the storage tank design.

(3) A volume of purge gas equivalent to twice the volume of the vapor space under the floating roof must have passed through the control device or into a controlled recovery system, before the vent stream may be sampled to verify acceptable VOC concentration. The measurement of purge gas volume shall not include any make-up air introduced into the control device or recovery system. The VOC sampling and analysis shall be performed as specified in Special Condition 32.

(4) The sampling point shall be upstream of the inlet to the control device or controlled recovery system. The sample ports and the collection system must be

designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the process equipment or vessel being purged.

(5) Degassing must be performed every 24 hours unless there is no standing liquid in the tank or the VOC partial pressure of the remaining liquid in the tank is less than 0.15 psia.

C. The tank shall not be opened or ventilated without control, except as allowed by (1) or (2) below until one of the criteria in part D of this condition is satisfied.

(1) Minimize air circulation in the tank vapor space.

(a) One manway may be opened to allow access to the tank to remove or de-volatilize the remaining liquid. Other manways or access points may be opened as necessary to remove or de-volatilize the remaining liquid. Wind barriers shall be installed at all open manways and access points to minimize air flow through the tank.

(b) Access points shall be closed when not in use

(2) Minimize time and VOC partial pressure.

(a) The VOC partial pressure of the liquid remaining in the tank shall not exceed 0.044 psi as documented by the method specified in part D(1) of this condition;

(b) Blowers may be used to move air through the tank without emission control at a rate not to exceed 3,000 scfm for no more than 2 hours. All standing liquid shall be removed from the tank during this period; and

(c) Records shall be maintained of the blower circulation rate, the duration of uncontrolled ventilation, and the date and time all standing liquid was removed from the tank.

D. The tank may be opened without restriction and ventilated without control, after all standing liquid has been removed from the tank or the liquid remaining in the tank has a VOC partial pressure less than 0.02 psia. These criteria shall be demonstrated in any one of the following ways.

(1) Low VOC partial pressure liquid that is soluble with the liquid previously stored may be added to the tank to lower the VOC partial pressure of the liquid mixture remaining in the tank to less than 0.02 psia. This liquid shall be added during tank degassing if practicable. The estimated volume of liquid remaining in the drained tank and the volume and type of liquid added shall be recorded. The liquid VOC partial pressure may be estimated based on this information and engineering calculations.

(2) If water is added or sprayed into the tank to remove standing VOC, one of the following must be demonstrated:

(a) Take a representative sample of the liquid remaining in the tank and verify no visible sheen using the static sheen test from 40 CFR 435 Subpart A Appendix 1.

(b) Take a representative sample of the liquid remaining in the tank and verify hexane soluble VOC concentration is less than 1000 ppmw using

EPA method 1664 (may also use 8260B or 5030 with 8015 from SW-846).

(c) Stop ventilation and close the tank for at least 24 hours. When the tank manway is opened after this period, verify VOC concentration is less than 1000 ppmv through the procedure in Special Condition 32.

(3) No standing liquid verified through visual inspection.

The permit holder shall maintain records to document the method used to release the tank.

E. Tanks shall be refilled as rapidly as practicable until the roof is off its legs with the following exceptions:

(1) Only one tank in any given service with a landed floating roof can be filled at any time. When filling a tank with a landed floating roof, the rate shall not exceed the design capacity of the control device used and shall not cause or contribute to an exceedance of the hourly emission rate limits specified in the MAERT. Records of this hourly emission rate evaluation including all calculation input parameters and assumptions shall be prepared prior to refilling the tank with the landed roof in addition to the records specified in Paragraph F of this condition.

(2) The vapor space below the tank roof is directed to a control device meeting the requirements of Special Condition 39 when the tank is refilled until the roof is floating on the liquid. The control device used, the maximum design capacity of that control device, the destruction efficiency of the control device, and the method and locations used to connect the control device shall be recorded. All vents from the tank being filled must exit through the control device.

F. The occurrence of each roof landing and the associated emissions shall be recorded and the rolling 12-month tank roof landing emissions shall be updated on a monthly basis. These records shall include at least the following information:

(1) the identification of the tank and emission point number, and any control devices or recovery systems used to reduce emissions;

(2) the reason for the tank roof landing;

(3) for the purpose of estimating emissions, the date, time, and other information specified for each of the following events:

(a) the roof was initially landed,

(b) all liquid was pumped from the tank to the extent practical,

(c) start and completion of controlled degassing, and total volumetric flow,

(d) all standing liquid was removed from the tank or any transfers of low VOC partial pressure liquid to or from the tank including volumes and vapor pressures to reduce tank liquid VOC partial pressure to <0.02 psi,

(e) if there is liquid in the tank, VOC partial pressure of liquid, start and completion of uncontrolled degassing, and total volumetric flow,

(f) refilling commenced, liquid filling the tank, and the volume necessary to float the roof; and

(g) tank roof off supporting legs, floating on liquid;

(4) the estimated quantity of each air contaminant, or mixture of air contaminants, emitted between events c and g with the data and methods used to determine it. The emissions associated with roof landing activities shall be calculated using the methods described in Sections 7.1.3.3 and 7.1.3.4 of AP-42 "Compilation of Air Pollution Emission Factors, Chapter 7 — Liquid Storage Tanks" dated June 2020 (or later edition) and the permit application.

34. Fixed roof storage tanks are subject to the requirements of Special Condition 33.C and 33.D. If the ventilation of the vapor space is controlled, the emission control system shall meet the requirements of Special Condition 33.B(1) through 33.B(4). Records shall be maintained per Special Condition 33.F(3)(c) through 33.F(3)(e), and 33.F(4).

Vacuum Truck and Frac Tank Requirements

35. The following requirements apply to vacuum and air mover truck operations to support planned MSS at this site:

A. Prior to initial use, identify any liquid in the truck. Record the liquid level and document the VOC partial pressure. After each liquid transfer, identify the liquid, the volume transferred, and its VOC partial pressure.

B. If vacuum pumps or blowers are operated when liquid is in or being transferred to the truck, the following requirements apply:

(1) If the VOC partial pressure of the liquid in or being transferred to the truck is greater than 0.50 psi at 95°F, the vacuum/blower exhaust shall be routed to a control device or a controlled recovery system.

(2) Equip fill line intake with a "duckbill" or equivalent attachment if the hose end cannot be submerged in the liquid being collected.

(3) A daily record containing the information identified below is required for each vacuum truck in operation at the site each day.

(a) For each liquid transfer made with the vacuum operating, record the duration of any periods when air may have been entrained with the liquid transfer. The reason for operating in this manner and whether a "duckbill" or equivalent was used shall be recorded. Short, incidental periods, such as those necessary to walk from the truck to the fill line intake, do not need to be documented.

(b) If the vacuum truck exhaust is controlled with a control device other than an engine or oxidizer, VOC exhaust concentration upon commencing each transfer, at the end of each transfer, and at least every hour during each transfer shall be recorded, measured using an instrument meeting the requirements of Special Condition 32.A or 32.B.

C. Record the volume in the vacuum truck at the end of the day, or the volume unloaded, as applicable.

D. The permit holder shall determine the vacuum truck emissions each month using the daily vacuum truck records and the calculation methods utilized in the permit application. If records of the volume of liquid transferred for each pick-up are not maintained, the emissions shall be determined using the physical properties of the liquid vacuumed with

the greatest potential emissions. Rolling 12-month vacuum truck emissions shall also be determined on a monthly basis.

E. If the VOC partial pressure of all the liquids vacuumed into the truck is less than 0.10 psi, this shall be recorded when the truck is unloaded or leaves the plant site and the emissions may be estimated as the maximum potential to emit for a truck in that service as documented in the permit application. The recordkeeping requirements in Special Condition 8.A through 8.D do not apply.

36. The following requirements apply to frac, or temporary, tanks and vessels used in support of MSS activities.

A. The exterior surfaces of these tanks/vessels that are exposed to the sun shall be white or aluminum effective May 1, 2013. This requirement does not apply to tanks/vessels that only vent to atmosphere when being filled, sampled, gauged, or when removing material.

B. These tanks/vessels must be covered and equipped with fill pipes that discharge within 6 inches of the tank/vessel bottom.

C. These requirements do not apply to vessels storing less than 450 gallons of liquid that are closed such that the vessel does not vent to atmosphere except when filling, sampling, gauging, or when removing material.

D. The permit holder shall maintain an emissions record which includes calculated emissions of VOC from all frac tanks during the previous calendar month and the past consecutive 12-month period. This record must be updated by the last day of the month following. The record shall include tank identification number, dates put into and removed from service, control method used, tank capacity and volume of liquid stored in gallons, name of the material stored, VOC molecular weight, and VOC partial pressure at the estimated monthly average material temperature in psia. Filling emissions for tanks shall be calculated using the TCEQ publication titled “Technical Guidance Package for Chemical Sources — Loading Operations” and standing emissions determined using: the TCEQ publication titled “Technical Guidance Package for Chemical Sources — Storage Tanks.”

E. If the tank/vessel is used to store liquid with VOC partial pressure less than 0.10 psi at 95°F, records may be limited to the days the tank is in service and the liquid stored. Emissions may be estimated based upon the potential to emit as identified in the permit application.

Approved Use of Permits by Rule

37. Additional occurrences of MSS activities authorized by this permit may be authorized under permit by rule only if conducted in compliance with this permit’s procedures, emission controls, monitoring, and recordkeeping requirements applicable to the activity.

Alternate Compliance Limits

38. All permanent facilities must comply with all operating requirements, limits, and representations during planned startup and shutdown unless alternate requirements and limits are identified in this permit. Alternate requirements for emissions from routine emission points are identified below.

A. Combustion units, with the exception of flares, at this site are exempt from NO_x and CO operating requirements identified in the special conditions of this permit during planned startup and shutdown if the following criteria are satisfied.

(1) The maximum allowable emission rates in the permit authorizing the facility are not exceeded.

(2) The startup period does not exceed 8 hours in duration and the firing rate does not exceed 75 percent of the design firing rate. The time it takes to complete the shutdown does not exceed 4 hours.

(3) Control devices are started and operating properly when venting a waste gas stream.

(4) During the first 8 hours of startup, the selective catalytic reduction (SCR) systems associated with EPNs HEATER1, HEATER2, and HEATER3 are exempt from Paragraph A.(3) of this condition, provided emission limit compliance is monitored and recorded for NO_X, CO, and NH_3 via the continuous emissions monitoring systems (CEMSs) during this period.

B. A record shall be maintained indicating that the start and end times of each of the activities identified above occur and documentation that the requirements for each have been satisfied.

Approved Control Devices

39. Control devices required by this permit for emissions from planned MSS activities are limited to those types identified in this condition. Control devices shall be operated with no visible emissions except periods not to exceed a total of five minutes during any two consecutive hours. Each device used must meet all the requirements identified for that type of control device.

Controlled recovery systems identified in this permit shall be directed to an operating process or to a collection system that is vented through a control device meeting the requirements of this permit condition.

A. Carbon Adsorption System (CAS).

(1) The CAS shall consist of 2 carbon canisters in series with adequate carbon supply for the emission control operation**.**

(2) The CAS shall be sampled downstream of the first can and the concentration recorded at least once every hour of CAS run time to determine breakthrough of the VOC. The sampling frequency may be extended using either of the following methods:

(a) It may be extended to up to 30 percent of the minimum potential saturation time for a new can of carbon. The permit holder shall maintain records including the calculations performed to determine the minimum saturation time.

(b) The carbon sampling frequency may be extended to longer periods based on previous experience with carbon control of a MSS waste gas stream. The past experience must be with the same VOC, type of facility, and MSS activity. The basis for the sampling frequency shall be recorded. If the VOC concentration on the initial sample downstream of

the first carbon canister following a new polishing canister being put in place is greater than 100 ppmv above background, it shall be assumed that breakthrough occurred while that canister functioned as the final polishing canister and a permit deviation shall be recorded.

(3) The method of VOC sampling and analysis shall be by detector meeting the requirements of Special Condition 32.A or 32.B.

(4) Breakthrough is defined as the highest measured VOC concentration at or exceeding 100 ppmv above background. When the condition of breakthrough of VOC from the initial saturation canister occurs, the waste gas flow shall be switched to the second canister and a fresh canister shall be placed as the new final polishing canister within four hours. Sufficient new activated carbon canisters shall be maintained at the site to replace spent carbon canisters such that replacements can be done in the above specified time frame.

(5) Records of CAS monitoring shall include the following:

(a) Sample time and date.

(b) Monitoring results (ppmv).

(c) Canister replacement log.

(6) Single canister systems are allowed if the time the carbon canister is in service is limited to no more than 30 percent of the minimum potential saturation time. The permit holder shall maintain records for these systems, including the calculations performed to determine the saturation time. The time limit on carbon canister service shall be recorded and the expiration date attached to the carbon can.

B. Thermal Oxidizer.

(1) The thermal oxidizer firebox exit temperature shall be maintained at not less than 1400°F and waste gas flows shall be limited to assure at least a 0.5 second residence time in the fire box while waste gas is being fed into the oxidizer.

(2) The thermal oxidizer exhaust temperature shall be continuously monitored and recorded when waste gas is directed to the oxidizer. The temperature measurements shall be made at intervals of six minutes or less and recorded at that frequency.

The temperature measurement device shall be installed, calibrated, and maintained according to accepted practice and the manufacturer's specifications. The device shall have an accuracy of the greater of ±0.75 percent of the temperature being measured expressed in degrees Celsius or ±2.5ºC.

C. Internal Combustion Engine.

(1) The internal combustion engine shall have a VOC destruction efficiency of at least 99 percent.

(2) The engine must have been stack tested with butane or propane to confirm the required destruction efficiency within the period specified in part (3) below. VOC shall be measured in accordance with the applicable United States Environmental Protection Agency (EPA) Reference Method during the stack test and the exhaust flow rate may be determined from measured fuel flow rate and measured oxygen concentration. A copy of the stack test report shall be

maintained with the engine. There shall also be documentation of acceptable VOC emissions following each occurrence of engine maintenance that may reasonably be expected to increase emissions including oxygen sensor replacement and catalyst cleaning or replacement. Stain tube indicators specifically designed to measure VOC concentration shall be acceptable for this documentation, provided a hot air probe or equivalent device is used to prevent error due to high stack temperature, and three sets of concentration measurements are made and averaged. Portable VOC analyzers meeting the requirements of Special Condition 32.A are also acceptable for this documentation.

(3) The engine shall be operated and monitored as specified below.

(a) If the engine is operated with an oxygen sensor-based air-to-fuel ratio (AFR) controller, documentation for each AFR controller that the manufacturer's or supplier's recommended maintenance has been performed, including replacement of the oxygen sensor as necessary for oxygen sensor-based controllers shall be maintained with the engine. The oxygen sensor shall be replaced at least quarterly in the absence of a specific written recommendation. The engine must have been stack tested within the past 12 months in accordance with part ii of this condition.

The test period may be extended to 24 months if the engine exhaust is sampled once an hour when waste gas is directed to the engine using a detector meeting the requirements of Special Condition 32.A. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the engine. The concentrations shall be recorded and the MSS activity shall be stopped as soon as possible if the VOC concentration exceeds 100 ppmv above background.

(b) If an oxygen sensor based AFR controller is not used, the engine exhaust to atmosphere shall be monitored continuously and the VOC concentration recorded at least once every 15 minutes when waste gas is directed to the engine. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the engine. The method of VOC sampling and analysis shall be by detector meeting the requirements of Special Condition 32.A. An alarm shall be installed such that an operator is alerted when outlet VOC concentration exceeds 100 ppmv above background. The MSS activity shall be stopped as soon as possible if the VOC concentration exceeds 100 ppmv above background for more than one minute. The date and time of all alarms and the actions taken shall be recorded. The engine must have been stack tested within the past 24 months in accordance with part ii of this condition.

D. Flare.

(1) The heating value and velocity requirements in 40 CFR §60.18 shall be satisfied during operations authorized by this permit.

(2) 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.

(3) The flare shall be monitored as provided for in Special Condition 15.D when used in support of MSS activities.

E. Vapor Combustor.

(1) The vapor combustor unit (VCU) shall achieve a 99% control of the waste gas directed to it.

(2) The temperature in, or immediately downstream of the combustion chamber of the vapor combustor shall be maintained at not less than 1400°F and waste gas flows shall be limited to assure at least a 0.5 second residence time in the fire box while waste gas is being fed into the combustor.

(3) The combustor exhaust temperature shall be continuously monitored and recorded when waste gas is directed to the oxidizer. The temperature measurements shall be made at intervals of six minutes or less and recorded at that frequency.

(4) The temperature measurement device shall be installed, calibrated, and maintained according to accepted practice and the manufacturer's specifications. The device shall have an accuracy of the greater of ±0.75 percent of the temperature being measured expressed in degrees Celsius or ±2.5ºC.

(5) The vapor combustor shall be operated with no visible emissions.

F. A closed loop refrigerated vapor recovery system.

(1) The vapor recovery system shall be installed on the facility to be degassed using good engineering practice to ensure air contaminants are flushed from the facility through the refrigerated vapor condensers and back to the facility being degassed. The vapor recovery system and facility being degassed shall enclosed except as necessary to ensure structural integrity (such as roof vents on a floating roof tank).

(2) VOC concentration in vapor being circulated by the system shall be sampled and recorded at least once every 4 hours at the inlet of the condenser unit with an instrument meeting the requirements of Special Condition 32.A.

(3) The quantity of liquid recovered from the tank vapors and the tank pressure shall be monitored and recorded each hour. The liquid recovered must increase with each reading and the tank pressure shall not exceed one inch water pressure while the system is operating.

G. A liquid scrubbing system may be used upstream of carbon adsorption. A single carbon can or a liquid scrubbing system may be used as the sole control device if the requirements below are satisfied.

(1) The exhaust to atmosphere shall be monitored continuously and the VOC concentration recorded at least once every 15 minutes when waste gas is directed to the scrubber.

(2) The method of VOC sampling and analysis shall be by detector meeting the requirements of Special Condition 32.A.

(3) An alarm shall be installed such that an operator is alerted when outlet VOC concentration exceeds 100 ppmv above background. The MSS activity shall be stopped as soon as possible when the VOC concentration exceeds 100 ppmv above background for more than one minute. The date and time of all alarms and the actions taken shall be recorded.

Surface Coating Operations

40. If spray guns are used to apply paint, they shall be airless, high volume low pressure (HVLP), or have the same or higher transfer efficiency as airless or HVLP spray guns.

41. Emissions from all painting activities, except for minor painting identified in Attachment A to this permit, at this site must satisfy the criteria below. New compounds may also be added through the use of the procedure below.

A. Short-term (pounds per hour [lb/hr]) and annual (TPY) emissions shall be determined for each chemical in the paint as documented in the permit application. The calculated emission rate shall not exceed the maximum allowable emissions rate at any emission point.

B. The Effect Screening Level (ESL) for the material shall be obtained from the current TCEQ ESL list or by written request to the TCEQ Toxicology Division.

C. The total painting emissions of any compound must satisfy one of the following conditions:

(1) The total emission rate is less than 0.1 lb/hr and the ESL greater than or equal to 2 $\mu g/m^3$; or

(2) Compare the short-term off-property impact to the short-term ESL for the air contaminant as shown below to determine if it is less than or equal to the ESL.

$GLC_{MAX} < ESL_{SHORT}$

D. The permit holder shall maintain records of the information below and the demonstrations in steps A though C above. The following documentation is required for each compound:

(1) Chemical name(s), composition, and chemical abstract registry number if available.

(2) Material Safety Data Sheet.

(3) Maximum concentration of the chemical in weight percent

(4) Paint usage and the associated emissions shall be recorded each month and the rolling 12-month total emissions updated.

Intermittent Sources (Emergency Engines and Firewater Pumps)

42. Testing of emergency engines and generators, and firewater pumps (EPNs EMRGEN1, EMRGEN2a, EMRGEN2b, EMRGEN3a, EMRGEN3b, EMRGEN3c, EMRGEN4, EMRGEN6,

FWP2, FWP3, FWP4, and FWP5) shall not occur on more than one day during any calendar week. Maintenance and testing of emergency engines shall not exceed 100 hours per year.

43. A non-resettable run time meter shall be installed on each engine.

44. No visible emissions shall leave the property. Visible emissions shall be determined by a standard of no visible emissions exceeding 30 seconds in duration in any six-minute period as determined using EPA Test method (TM 22) or equivalent.

Fuel Specifications

45. Authorized EPNs EMRGEN1, EMRGEN2a, EMRGEN2b, EMRGEN3a, EMRGEN3b, EMRGEN3c, EMRGEN4, EMRGEN6, FWP2, FWP3, FWP4, and FWP5 fuel shall be ultra-low sulfur diesel (ULSD), containing no more than 0.0015 percent sulfur by weight.

Additional Operating Limits

46. VOC temporary control devices (EPN MSS) shall be limited to one device operating at any given time.

47. Storage tank degassing (EPN MSS) shall be limited to one degassing event at any given time.

48. Firewater pumps (EPNs FWP2, FWP3, FWP4, and FWP5) shall be limited to only one pump operating for a full 24 hours during maintenance activities. The remaining firewater pumps shall be limited to no more than two hours at any given time.

49. Ammonia totes shall be limited to only one tote undergoing MSS activities at any given time.

50. Container draining shall be limited to no more than 10 barrels of liquid drained to any open container from any given piece of equipment.

51. Operational records shall be maintained and updated daily to demonstrate compliance with the limits outlined in Special Condition Nos. 46 through 51.

Emissions Record Keeping

52. For purposes of demonstrating compliance with the MAERT emission limits established by this permit, the permit holder shall maintain a monthly emissions record as detailed in this Special Condition. Compliance with annual (tons per year [TPY]) emissions shall be based on a 12-month rolling basis. Emissions calculations for verifying compliance with the MAERT limits shall be performed on or before the end of the next calendar month, and total emissions from the previous month and the previous 12-month period documented.

    A. For all process heaters and boilers, the VOC emissions shall be based on the annual fired duty in MMBtu/yr and AP-42 emission factors used in the permit application.

    B. For flares, the VOC destruction efficiency of 98 percent shall be used to calculate VOC emissions for C4s and greater. A VOC destruction efficiency of 99 percent shall be used to calculate VOC emissions for C3s and lighter.

C. Equipment leak fugitive emissions are to be estimated based on component counts and applicable monitoring credits using emission factors published in the TCEQ Guidance Document "Air Permit Technical Guidance for Chemical Sources: Fugitive Guidance" (June 2018) for fugitive EPNs. For purposes of this record keeping condition, the permit holder may use the most recently authorized emission rates based on represented component counts and compliance with Special Condition Nos. 16 through 18.

D. Emissions for tanks shall be calculated from actual throughput and service data as required by Special Condition 21.G.

E. Cooling tower emissions are to be estimated using recirculation rates and monthly monitoring data as required by Special Condition 19.A.

F. MSS activities are estimated from records of actual MSS activity performance as required by Special Condition 29.

G. Wastewater emissions are estimated as required by Special Condition 26.

53. Total fired duty for each process heater (EPNs HEATER1and HEATER2) shall not exceed 902,280 MMBtu/yr (rolling 365-days). Fired duty shall be determined from fuel usage determined in accordance with Special Condition 14.C, and fuel heating value determined in accordance with Special Condition 9.

Greenhouse Gas Emissions

54. Monitoring, quality assurance/quality control requirements, emission calculation methodologies, record keeping, and reporting requirements related to GHG emissions shall adhere to the applicable requirements in 40 CFR Part 98 and this permit.

Referenced Authorizations

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

Authorization	Source or Activity
PBR No. 147839	Additives and Totes
PBR No. 158257	Process Piping Fugitives
PBR No. 163051	Storage Tanks TK-2005 and TK-2006
30 TAC § 106.473 (effective 09/04/00)	Loading and Unloading Fugitives

Attachment A

Inherently Low Emitting Activities

Activity	Emissions				
	VOC	NO_x	CO	PM	H_2S/SO_2
Management of sludge from pits, ponds, sumps, and water conveyances	x				
Aerosol Cans	x				
Calibration of analytical equipment	x	x	x		x
Carbon can replacement	x				
Instrumentation/analyzer maintenance	x				
Meter proving	x				
Replacement of analyzer filters and screens	x				
Maintenance on water treatment systems (cooling, boiler, potable)	x				
Soap and other aqueous based cleaners	x				
Cleaning sight glasses	x				
Filling of drums, buckets and small containers in support of MSS activities	x				

Date: September 5, 2025

Attachment B

Routine Maintenance Activities

Pump repair/replacement
Fugitive component (valve, pipe, flange) repair/replacement
Compressor repair/replacement
Heat exchanger repair/replacement
Vessel repair/replacement
Pipeline Pigging

Date: September 5, 2025

Attachment C

MSS Activity Summary

Facilities	Description	Emissions Activity	EPN
all process units	process unit shutdown/depressurize/drain	Vent to control device	MSS
all process units	process unit purge/degas/drain	vent to atmosphere	ATM1
all process units	process unit startup	vent to control device	MSS
all process units and tanks	preparation for facility/component repair/replacement	vent to control device	MSS
all process units and tanks	preparation for facility/component repair/replacement	vent to atmosphere	ATM1
all process units and tanks	recovery from facility/component repair/replacement	vent to flare	MSS
all process units and tanks	recovery from facility/component repair/replacement	vent to atmosphere	ATM1
all process units and tanks	preparation for unit turnaround or facility/component repair/replacement	remove liquid	ATM1
all production-related	all production related facilities	painting	MSS1-PNT
all floating roof tanks	tank roof landing	operation with landed roof	MSS, ATM1
all floating roof tanks	degas of tank with landed roof	controlled degassing	MSS
all tanks	tank cleaning	cleaning activity and solvents	ATM1
see Attachment A	miscellaneous low emitting activities	see Attachment A	ATM1, ATM2, FUG, FUG1, WW
Frac tanks	Operation of frac tanks	Vent to control	MSS
Vacuum trucks	Operation of vacuum trucks	Vent to control or vent to atmosphere	ATM1, MSS
Portable drums	Filling of Drums in support of MSS Activities	Vent to atmosphere	ATM1
Diesel tank truck	Diesel tank truck loading	Vent to atmosphere	ATM1

Date: September 5, 2025

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 109923, PSDTX1502 and GHGPSDTX159

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	
			lbs/hour	TPY (4)
CT1	Cooling Tower	VOC	0.11	0.47
		PM	0.18	0.79
		PM_{10}	0.13	0.55
		$PM_{2.5}$	0.08	0.33
WWCC	Wastewater Carbon Canisters	VOC	<0.01	<0.01
WW	Wastewater Treatment	VOC	7.57	4.87
		H_2S	0.66	1.51
		NH_3	<0.01	<0.01
BOILER1	Boiler #1	NO_x	0.44	1.92
		SO_2	0.32	0.51
		PM	0.09	0.41
		PM_{10}	0.09	0.41
		$PM_{2.5}$	0.09	0.41
		CO	0.44	1.95
		H_2S	<0.01	<0.01
		VOC	0.07	0.30

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
BOILER2	Boiler #2	NOx	0.44	1.92
		SO_2	0.32	0.51
		PM	0.09	0.41
		PM_{10}	0.09	0.41
		$PM_{2.5}$	0.09	0.41
		CO	0.44	1.95
		H_2S	<0.01	<0.01
		VOC	0.07	0.30
BOILER3	Boiler #3	NO_x	0.44	1.92
		SO_2	0.32	0.51
		PM	0.09	0.41
		PM_{10}	0.09	0.41
		$PM_{2.5}$	0.09	0.41
		CO	0.44	1.95
		H_2S	<0.01	<0.01
		VOC	0.07	0.30

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
HEATER1	Heater #1	NO_x	1.03	4.51
		SO_2	2.72	4.39
		PM	1.99	8.71
		PM_{10}	1.10	4.80
		$PM_{2.5}$	1.03	4.50
		CO	3.81	11.66
		H_2S	0.01	0.02
		NH_3	0.46	2.02
		VOC	1.14	4.96
HEATER2	Heater #2	NO_x	1.03	4.51

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		SO_2	2.72	4.39
		PM	1.99	8.71
		PM_{10}	1.10	4.80
		$PM_{2.5}$	1.03	4.50
		CO	3.81	11.66
		H_2S	<0.01	0.02
		NH_3	0.46	2.02
		VOC	1.14	4.96
MSS-ATM	Uncontrolled MSS	VOC	623.68	1.90
		NH_3	1.94	<0.01
		H_2S	0.16	<0.01
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
FUG	ISBL Fugitives (5)	VOC	29.08	127.8
		NH_3	0.03	0.13
		H_2S	0.07	0.29
FUG1	1000 Unit Tank Farm Fugitives (5)	VOC	2.05	8.99
		H_2S	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
ATM1	2000 and 3000 Tank Farm Fugitives (5)	VOC	2.25	9.86
		H_2S	<0.01	<0.01
ATM2	Area 5000, 6000, 7000, and LACT LPG Fugitive Sources			
	C3/C4 Fugitives (5)	VOC	17.78	77.87
		H_2S	<0.01	0.02
	C3/C4 Tank Truck Loading	VOC	0.55	0.31
		H_2S	<0.01	<0.01
FLARE1	LPG Flare Emissions			
	Refrigerated LPG Tank MSS to Flare	CO	59.14	36.77
		NOx	29.62	18.42
		SO_2	2.72	0.70
		VOC	213.34	98.01
FLARE	Flare (Routine Emissions)			
	Flare Pilots	CO	0.09	0.39
		NO_x	0.02	0.08
		SO_2	<0.01	<0.01
		VOC	<0.01	<0.01
FLARE	Controlled MSS to Flare	See MSS Control Cap.		
NH3TOTE1	Aqueous Ammonia Tote 1	NH_3	<0.01	0.02
NH3TOTE2	Aqueous Ammonia Tote 2	NH_3	<0.01	0.02
NH3TOTE3	Aqueous Ammonia Tote 3	NH_3	<0.01	0.02
NH3TOTE4	Aqueous Ammonia Tote 4	NH_3	<0.01	0.02
TK-1001	Tank 1001	VOC	7.54	3.30

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		H_2S	<0.01	<0.01
TK-1002	Tank 1002	VOC	7.37	2.88
		H_2S	<0.01	<0.01
TK-1003	Tank 1003	VOC	7.54	3.30
		H_2S	<0.01	<0.01
TK-1004	Tank 1004	VOC	9.16	5.40
		H_2S	<0.01	<0.01
TK-1005	Tank 1005	VOC	8.69	6.25
		H_2S	<0.01	<0.01
TK-1006	Tank 1006	VOC	9.25	5.71
		H_2S	<0.01	<0.01
TK-2001	Tank 2001	VOC	2.05	0.21
		H_2S	<0.01	<0.01
TK-2002	Tank 2002	VOC	1.58	0.25
		H_2S	<0.01	<0.01
TK-2003	Tank 2003	VOC	1.94	0.20
		H_2S	<0.01	<0.01
TK-2004	Tank 2004	VOC	1.67	0.25
		H_2S	<0.01	<0.01
TK-2005	Tank 2005	VOC	10.18	0.33
		H_2S	0.24	0.02
TK-2006	Tank 2006	VOC	10.18	0.33
		H_2S	0.24	0.02
TK-3001	Tank 3001	VOC	2.72	0.46

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		H_2S	<0.01	<0.01
TK-3002	Tank 3002	VOC	2.12	1.21
		H_2S	<0.01	<0.01
TK-3003	Tank 3003	VOC	2.12	1.21
		H_2S	<0.01	<0.01
TK-3004	Tank 3004	VOC	2.93	2.40
		H_2S	<0.01	<0.01
TK-3005	Tank 3005	VOC	2.93	2.40
		H_2S	<0.01	<0.01
TK-1001MSS	Tank 1001 MSS	VOC	4.37	0.75
		H_2S	0.39	<0.01
TK-1002MSS	Tank 1002 MSS	VOC	4.37	0.75
		H_2S	0.39	<0.01
TK-1003MSS	Tank 1003 MSS	VOC	4.37	0.75
		H_2S	0.39	<0.01
TK-1004MSS	Tank 1004 MSS	VOC	4.37	0.75
		H_2S	0.39	<0.01
TK-1005MSS	Tank 1005 MSS	VOC	4.37	1.35
		H_2S	0.39	<0.01
TK-1006MSS	Tank 1006 MSS	VOC	4.37	0.75
		H_2S	0.39	<0.01
TK-2001MSS	Tank 2001 MSS	VOC	4.61	0.51
		H_2S	0.39	0.03
TK-2002MSS	Tank 2002 MSS	VOC	4.10	0.74

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		H_2S	0.39	0.02
TK-2003MSS	Tank 2003 MSS	VOC	2.74	0.53
		H_2S	0.39	0.02
TK-2004MSS	Tank 2004 MSS	VOC	4.61	0.75
		H_2S	0.39	0.03
TK-2005MSS	Tank 2005 MSS	VOC	0.60	0.46
		H_2S	0.39	0.06
TK-2006MSS	Tank 2006 MSS	VOC	0.60	0.46
		H_2S	0.39	0.06
TK-3001MSS	Tank 3001 MSS	VOC	4.37	0.11
		H_2S	0.39	<0.01
TK-3002MSS	Tank 3002 MSS	VOC	4.37	0.32
		H_2S	0.39	<0.01
TK-3003MSS	Tank 3003 MSS	VOC	4.37	0.31
		H_2S	0.39	<0.01
TK-3004MSS	Tank 3004 MSS	VOC	4.37	0.47
		H_2S	0.39	<0.01
TK-3005MSS	Tank 3005 MSS	VOC	4.37	0.48
		H_2S	0.39	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
MSS	MSS Control Cap (Includes Tank MSS and ISBL MSS)	VOC	400.58	92.12
		NO_X	36.91	5.59
		CO	61.43	28.64
		PM	0.11	0.02
		PM_{10}	0.11	0.02
		$PM_{2.5}$	0.11	0.02
		SO_2	13.74	1.67
		H_2S	0.28	0.04
		NH_3	0.19	<0.01
DESLTK1	EMRGEN1 Diesel Storage Tank	VOC	0.01	<0.01
		H_2S	<0.01	<0.01
DESLTK2a	EMRGEN2a Diesel Storage Tank	VOC	0.01	<0.01
		H_2S	<0.01	<0.01
DESLTK2b	EMRGEN2b Diesel Storage Tank	VOC	0.09	<0.01
		H_2S	<0.01	<0.01
DESLTK3a	EMRGEN 3a Diesel Storage Tank	VOC	0.55	<0.01
		H_2S	<0.01	<0.01
DESLTK3b	EMRGEN 3b Diesel Storage Tank	VOC	0.55	<0.01
		H_2S	<0.01	<0.01
DESLTK3c	EMRGEN 3c Diesel Storage Tank	VOC	0.55	<0.01
		H_2S	<0.01	<0.01
DESLTK4	EMRGEN4 Diesel Storage Tank	VOC	0.03	<0.01
		H_2S	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
DESLTK6	EMRGEN6 Diesel Storage Tank	VOC	0.01	<0.01
		H_2S	<0.01	<0.01
DESLTK1MSS	EMRGEN1 Diesel Storage Tank MSS	VOC	0.49	<0.01
		H_2S	<0.01	<0.01
DESLTK2aMS	EMRGEN2a Diesel Storage Tank MSS	VOC	0.42	<0.01
		H_2S	<0.01	<0.01
DESLTK2bMS	EMRGEN2b Diesel Storage Tank MSS	VOC	1.30	<0.01
		H_2S	<0.01	<0.01
DESLTK3aMS	EMRGEN 3a Diesel Storage Tank MSS	VOC	0.82	<0.01
		H_2S	<0.01	<0.01
DESLTK3bMS	EMRGEN 3b Diesel Storage Tank MSS	VOC	0.82	<0.01
		H_2S	<0.01	<0.01
DESLTK3cMS	EMRGEN 3c Diesel Storage Tank MSS	VOC	0.82	<0.01
		H_2S	<0.01	<0.01
DESLTK4MS	EMRGEN 4 Diesel Storage Tank MSS	VOC	0.21	<0.01
		H_2S	<0.01	<0.01
DESLTK6MS	EMRGEN 6 Diesel Storage Tank MSS	VOC	0.49	<0.01
		H_2S	<0.01	<0.01
FWDSLTK2	FWP 2 Diesel Storage Tank	VOC	0.05	<0.01
		H_2S	<0.01	<0.01
FWDSLTK3	FWP 3 Diesel Storage Tank	VOC	0.05	<0.01
		H_2S	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
FWDSLTK4	FWP 4 Diesel Storage Tank	VOC	0.03	<0.01
		H_2S	<0.01	<0.01
FWDSLTK5	FWP 5 Diesel Storage Tank	VOC	0.03	<0.01
		H_2S	<0.01	<0.01
FWDSLTK2MS	FWP 2 Diesel Storage Tank MSS	VOC	2.29	<0.01
		H_2S	<0.01	<0.01
FWDSLTK3MS	FWP 3 Diesel Storage Tank MSS	VOC	2.29	<0.01
		H_2S	<0.01	<0.01
FWDSLTK4MS	FWP 4 Diesel Storage Tank MSS	VOC	1.42	<0.01
		H_2S	<0.01	<0.01
FWDSLTK5MS	FWP 5 Diesel Storage Tank MSS	VOC	1.42	<0.01
		H_2S	<0.01	<0.01
EMRGEN1	WWTP Emergency Engine	NO_X	2.06	0.10
		VOC	0.08	<0.01
		CO	0.53	0.03
		SO_2	0.19	<0.01
		PM	0.06	<0.01
		PM_{10}	0.06	<0.01
		$PM_{2.5}$	0.06	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
EMRGEN2a	ADMIN Building Emergency Generator	NO_X	7.00	0.50
		VOC	0.08	<0.01
		CO	0.74	0.04
		SO_2	<0.01	<0.01
		$PM_{2.5}$	0.16	<0.01
		PM_{10}	0.16	<0.01
		PM	0.16	<0.01
EMRGEN2b	Control Building Emergency Generator	NO_x	0.87	0.04
		VOC	0.04	<0.01
		CO	0.21	<0.01
		SO_2	0.07	<0.01
		$PM_{2.5}$	0.03	<0.01
		PM_{10}	0.03	<0.01
		PM	0.03	<0.01
EMRGEN3a	Back-up Generator	NO_x	25.52	1.28
		VOC	1.30	0.06
		CO	4.81	0.24
		SO_2	0.04	0.01
		$PM_{2.5}$	0.67	0.03
		PM_{10}	0.67	0.03
		PM	0.67	0.03
EMRGEN3b	Back-Up Generator	NO_x	25.52	1.28
		VOC	1.30	0.06
		CO	4.81	0.24

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		SO_2	0.04	0.01
		$PM_{2.5}$	0.67	0.03
		PM_{10}	0.67	0.03
		PM	0.67	0.03
EMRGEN3c	Back-Up Generator	NO_x	25.52	1.28
		VOC	1.30	0.06
		CO	4.81	0.24
		SO_2	0.04	<0.01
		$PM_{2.5}$	0.67	0.03
		PM_{10}	0.67	0.03
		PM	0.67	0.03
EMRGEN4	Splitter Emergency Engine	NO_x	7.00	0.35
		VOC	0.12	<0.01
		CO	0.74	0.04
		SO_2	<0.01	<0.01
		$PM_{2.5}$	0.16	<0.01
		PM_{10}	0.16	<0.01
		PM	0.16	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
EMRGEN6	OSBL Flare Emergency Engine	NO_x	0.70	0.03
		VOC	0.02	<0.01
		CO	0.21	0.01
		SO_2	<0.01	<0.01
		$PM_{2.5}$	0.05	<0.01
		PM_{10}	0.05	<0.01
		PM	0.05	<0.01
FWP2	Firewater Pump	NO_x	4.47	0.22
		VOC	0.10	<0.01
		CO	2.65	0.13
		SO_2	<0.01	<0.01
		$PM_{2.5}$	0.12	0.01
		PM_{10}	0.12	0.01
		PM	0.12	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
FWP3	Firewater Pump	NO_x	4.47	0.22
		VOC	0.10	<0.01
		CO	2.65	0.13
		SO_2	<0.01	<0.01
		$PM_{2.5}$	0.12	0.01
		PM_{10}	0.12	0.01
		PM	0.12	0.01
FWP4	Firewater Pump	NO_x	2.69	0.13
		VOC	0.06	<0.01
		CO	1.60	0.08
		SO_2	<0.01	<0.01
		$PM_{2.5}$	0.10	<0.01
		PM_{10}	0.10	<0.01
		PM	0.10	<0.01
FWP5	Firewater Pump	NO_x	2.69	0.13
		VOC	0.06	<0.01
		CO	1.60	0.08
		SO_2	<0.01	<0.01
		$PM_{2.5}$	0.10	<0.01
		PM_{10}	0.10	<0.01
		PM	0.10	<0.01

Emission Sources - Maximum Allowable Emission Rates

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_X - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
H_2S - hydrogen sulfide
NH_3 - ammonia
CO - carbon monoxide
(4) Compliance with annual emission limits (tons per year) is based on a 12month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: September 5, 2025

Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX159

This table lists the maximum allowable emission rates of greenhouse gas (GHG) emissions, as defined in Title 30 Texas Administrative Code § 101.1, for all sources of GHG air contaminants on the applicant's property that are authorized 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 authorized by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates
			TPY (4)
BOILER1	Boiler #1	CO_2 (5)	6,861
		CH_4 (5)	<1
		N_2O (5)	<1
		CO_2e	6,890
BOILER2	Boiler #2	CO_2 (5)	6,861
		CH_4 (5)	<1
		N_2O (5)	<1
		CO_2e	6,890
BOILER3	Boiler #3	CO_2 (5)	6,861
		CH_4 (5)	<1
		N_2O (5)	<1
		CO_2e	6,890
BOILER4	Boiler #4	CO_2 (5)	6,861
		CH_4 (5)	<1
		N_2O (5)	<1
		CO_2e	6,890
BOILER5	Boiler #5	CO_2 (5)	6,861
		CH_4 (5)	<1
		N_2O (5)	<1
		CO_2e	6,890
HEATER1	Heater #1	CO_2 (5)	48,425
		CH_4 (5)	2
		N_2O (5)	<1
		CO_2e	48,634

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates
			TPY (4)
HEATER2	Heater #2	CO_2 (5)	48,425
		CH_4 (5)	2
		N_2O (5)	<1
		CO_2e	48,634
HEATER3	Heater #3	CO_2 (5)	48,425
		CH_4 (5)	2
		N_2O (5)	<1
		CO_2e	48,634
FUG	ISBL Fugitives (5)	CH_4 (5)	8
		CO_2e	209
FLARE1	LPG Flare Emissions	CO_2 (5)	19,347
		CH_4 (5)	<1
		N_2O (5)	<1
		CO_2e	19,363
FLARE	Flare Pilots	CO_2 (5)	67.92
		CH_4 (5)	<1
		N_2O (5)	<1
		CO_2e	67.99
FLARE	Flare (MSS)	See MSS Control Cap.	
EMRGEN1	WWTP Emergency Engine	CO_2 (5)	18
		CH_4 (5)	<1
		N_2O (5)	<1
		CO_2e	19
EMRGEN2a	ADMIN Building Emergency Generator	CO_2 (5)	43
		CH_4 (5)	<1
		N_2O (5)	<1
		CO_2e	43

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates
			TPY (4)
EMRGEN2b	Control Building Emergency Generator	CO_2 (5)	8
		CH_4 (5)	<1
		N_2O (5)	<1
		CO_2e	8
EMRGEN3a	Back-up Generator	CO_2 (5)	148
		CH_4 (5)	<1
		N_2O (5)	<1
		CO_2e	149
EMRGEN3b	Back-Up Generator	CO_2 (5)	148
		CH_4 (5)	<1
		N_2O (5)	<1
		CO_2e	149
EMRGEN3c	Back-Up Generator	CO_2 (5)	148
		CH_4 (5)	<1
		N_2O (5)	<1
		CO_2e	149
EMRGEN4	Splitter Emergency Engine	CO_2 (5)	43
		CH_4 (5)	<1
		N_2O (5)	<1
		CO_2e	43
EMRGEN6	OSBL Flare Emergency Engine	CO_2 (5)	14
		CH_4 (5)	<1
		N_2O (5)	<1
		CO_2e	14

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates
			TPY (4)
FWP2	Firewater Pump	CO_2 (5)	40
		CH_4 (5)	<1
		N_2O (5)	<1
		CO_2e	40
FWP3	Firewater Pump	CO_2 (5)	40
		CH_4 (5)	<1
		N_2O (5)	<1
		CO_2e	40
FWP4	Firewater Pump	CO_2 (5)	24
		CH_4 (5)	<1
		N_2O (5)	<1
		CO_2e	24
FWP5	Firewater Pump	CO_2 (5)	24
		CH_4 (5)	<1
		N_2O (5)	<1
		CO_2e	24
MSS	MSS Control Cap (Includes Tank MSS and ISBL MSS)	CO_2 (5)	16,688
		CH_4 (5)	<1
		N_2O (5)	<1
		CO_2e	16,745

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) CO_2 - carbon dioxide
N_2O - nitrous oxide
CH_4 - methane
HFCs - hydrofluorocarbons
PFCs - perfluorocarbons
SF_6 - sulfur hexafluoride
CO_2e - carbon dioxide equivalents based on the following Global Warming Potentials (1/2015): CO_2 (1), N_2O (298), CH_4(25), SF_6 (22,800), HFC (various), PFC (various)
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. These rates include emissions from maintenance, startup, and shutdown.
(5) Emission rate is given for informational purposes only and does not constitute enforceable limit.

Date: August 29, 2019