FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Enbridge Ingleside Oil Terminal, LLC

AUTHORIZING THE OPERATION OF
Enbridge Ingleside Oil Terminal
Petroleum Bulk Stations and Terminals

LOCATED AT
San Patricio County, Texas
Latitude 27° 49′ 30″ Longitude 97° 12′ 19″
Regulated Entity Number: RN101225746

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: O3906 Issuance Date: April 9, 2025

For the Commission

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General Terms and Conditions

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

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

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

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

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

Special Terms and Conditions:

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

1. Permit holder shall comply with the following requirements:

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

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

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

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

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

113, Subchapter C, § 113.300, § 113.880, and § 113.1090, which incorporates the 40 CFR Part 63 Subpart by reference.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(3) Records of all observations shall be maintained.

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

(5) Compliance Certification:

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

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

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

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

B. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)

(iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of sources 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 sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the

applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

C. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

D. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

E. 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)

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

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

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

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

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

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(c)(1).

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

   A. When filling stationary gasoline storage containers with a nominal capacity less than or equal to 1,000 gallons at a Stage I motor vehicle fuel dispensing facility, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:

      (i) Title 30 TAC § 115.222(3) (relating to Control Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

      (ii) Title 30 TAC § 115.222(6) (relating to Control Requirements)

      (iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

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. 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.

8. For the operations pertaining to the loading and unloading of marine tank vessels specified in 40 CFR Part 63, Subpart Y, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.300 incorporated by reference):

   A. Title 40 CFR § 63.560(c) (relating to Designation of Affected Source), for applicability of the General Provisions of Subpart A

   B. Title 40 CFR § 63.563(a)(4) (relating to Compliance and Performance Testing), for vapor tightness requirements of the marine vessels

   C. Title 40 CFR § 63.564(a)(1) and (d) (relating to Monitoring Requirements)

D. Title 40 CFR § 63.565(a) (relating to Test Methods and Procedures), for performance testing requirements

E. Title 40 CFR § 63.565(c) (relating to Test Methods and Procedures), for vapor tightness requirements of the marine vessels

F. Title 40 CFR § 63.566 (relating to Construction and Reconstruction)

G. Title 40 CFR § 63.567(a) - (b) and (h) - (i) (relating to Reporting and Recordkeeping Requirements)

9. 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

10. 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

11. 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 August 16, 2024 in the application for project 34024), 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

12. 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.

13. 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).

14. The permit holder shall comply with the following requirements for Air Quality Standard Permits:

    A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit

    B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit

    C. Requirements of the non-rule Air Quality Standard Permit for Pollution Control Projects

Compliance Requirements

15. 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.

16. The permit holder shall adhere to the provisions in the Compliance Schedule attachment of this permit and submit certified progress reports consistent with the schedule established under 30 TAC § 122.132(d)(4)(C) and including the information specified in 30 TAC § 122.142(d)(2). Those emission units listed in the Compliance Schedule attachment shall adhere with the requirements in the Compliance Schedule attachment until operating fully in compliance with the applicable requirements.

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.

B. The permit holder shall comply with 40 CFR Part 82, Subpart H related to Halon Emissions Reduction requirements as specified in 40 CFR § 82.250 - § 82.270 and the applicable Part 82 Appendices.

Temporary Fuel Shortages (30 TAC § 112.15)

20. The permit holder shall comply with the following 30 TAC Chapter 112 requirements:

A. Title 30 TAC § 112.15 (relating to Temporary Fuel Shortage Plan Filing Requirements)

B. Title 30 TAC § 112.16(a), (a)(1), and (a)(2)(B) - (C) (relating to Temporary Fuel Shortage Plan Operating Requirements)

C. Title 30 TAC § 112.17 (relating to Temporary Fuel Shortage Plan Notification Procedures)

D. Title 30 TAC § 112.18 (relating to Temporary Fuel Shortage Plan Reporting Requirements)

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

Schedules

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
EDG-1	SRIC ENGINES	N/A	60IIII-1	40 CFR Part 60, Subpart IIII	No changing attributes.
EDG-1	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENGG-1	SRIC ENGINES	N/A	63ZZZZ-3	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENGG-4	SRIC ENGINES	N/A	63ZZZZ-5	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FUG	FUGITIVE EMISSION UNITS	N/A	63EEEE	40 CFR Part 63, Subpart EEEE	No changing attributes.
GRPENGG	SRIC ENGINES	ENGG-2, ENGG-3	63ZZZZ-4	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRPFWP1	SRIC ENGINES	FWP-1, FWP-2, FWP-3	60IIII-2	40 CFR Part 60, Subpart IIII	No changing attributes.
GRPFWP1	SRIC ENGINES	FWP-1, FWP-2, FWP-3	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRPFWP2	SRIC ENGINES	FWP-D, FWP-E, FWP-F	60IIII-3	40 CFR Part 60, Subpart IIII	No changing attributes.
GRPFWP2	SRIC ENGINES	FWP-D, FWP-E, FWP-F	63ZZZZ-6	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRPMVCU	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	MVCU1, MVCU2, MVCU3	R1111-2	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRPTK-1	STORAGE TANKS/VESSELS	T-101, T-102, T-103, T-104, T-105, T-106, T-107, T-108, T-109, T-110, T-111, T-112, T-113, T-114, T-115, T-116, T-117, T-118, T-119, T-120	R5112-2	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
GRPTK-1	STORAGE TANKS/VESSELS	T-101, T-102, T-103, T-104, T-105, T-106, T-107, T-108, T-109, T-110, T-111, T-112, T-113, T-114, T-115, T-116, T-117, T-118, T-119, T-120	60Kb-1	40 CFR Part 60, Subpart Kb	WW Tank Control = The storage vessel is not using 40 CFR 63, subpart WW to comply with 40 CFR 60, subpart Kb, Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRPTK-1	STORAGE TANKS/VESSELS	T-101, T-102, T-103, T-104, T-105, T-106, T-107, T-108, T-109, T-110, T-111, T-112, T-113, T-114, T-115, T-116, T-117, T-118, T-119, T-120	60Kb-2	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRPTK-1	STORAGE TANKS/VESSELS	T-101, T-102, T-103, T-104, T-105, T-106, T-107, T-108, T-109, T-110, T-111, T-112, T-113, T-114, T-115, T-116, T-117, T-118, T-119, T-120	63Kb-3	40 CFR Part 60, Subpart Kb	WW Tank Control = An IFR is operated and maintained per 40 CFR § 63.1062(a)(1), Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer, Guidepole = Only a slotted guidepole which has a pole wiper and pole sleeve per 40 CFR §63.1063(a)(2)(viii)(B)
GRPTK-1	STORAGE TANKS/VESSELS	T-101, T-102, T-103, T-104, T-105, T-106, T-107, T-108, T-109,	63Kb-4	40 CFR Part 60, Subpart Kb	WW Tank Control = An IFR is operated and maintained per 40 CFR § 63.1062(a)(1), Product

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		T-110, T-111, T-112, T-113, T-114, T-115, T-116, T-117, T-118, T-119, T-120			Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Guidepole = Only a slotted guidepole which has a pole wiper and pole sleeve per 40 CFR §63.1063(a)(2)(viii)(B)
GRPTK-1	STORAGE TANKS/VESSELS	T-101, T-102, T-103, T-104, T-105, T-106, T-107, T-108, T-109, T-110, T-111, T-112, T-113, T-114, T-115, T-116, T-117, T-118, T-119, T-120	63EEEE-1	40 CFR Part 63, Subpart EEEE	No changing attributes.
GRPTK-1A	STORAGE TANKS/VESSELS	T-121, T-122, T-123, T-124, T-125, T-126, T-127, T-128, T-129, T-130, T-131, T-132, T-133, T-134, T-135, T-136, T-137, T-138, T-139, T-140, T-141, T-142, T-143, T-144	R5112-2	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTK-1A	STORAGE TANKS/VESSELS	T-121, T-122, T-123, T-124, T-125, T-126, T-127, T-128, T-129, T-130, T-131, T-132, T-133, T-134, T-135, T-136, T-137, T-138, T-139, T-140, T-141, T-142, T-143, T-144	60Kb-1	40 CFR Part 60, Subpart Kb	WW Tank Control = The storage vessel is not using 40 CFR 63, subpart WW to comply with 40 CFR 60, subpart Kb, Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer, Maximum True Vapor Pressure = True vapor pressure is greater than

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					or equal to 0.75 psia but less than 11.1 psia
GRPTK-1A	STORAGE TANKS/VESSELS	T-121, T-122, T-123, T-124, T-125, T-126, T-127, T-128, T-129, T-130, T-131, T-132, T-133, T-134, T-135, T-136, T-137, T-138, T-139, T-140, T-141, T-142, T-143, T-144	60Kb-2	40 CFR Part 60, Subpart Kb	WW Tank Control = The storage vessel is not using 40 CFR 63, subpart WW to comply with 40 CFR 60, subpart Kb, Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRPTK-1A	STORAGE TANKS/VESSELS	T-121, T-122, T-123, T-124, T-125, T-126, T-127, T-128, T-129, T-130, T-131, T-132, T-133, T-134, T-135, T-136, T-137, T-138, T-139, T-140, T-141, T-142, T-143, T-144	60Kb-3	40 CFR Part 60, Subpart Kb	WW Tank Control = An IFR is operated and maintained per 40 CFR § 63.1062(a)(1), Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer, Guidepole = Only a slotted guidepole which has a pole wiper and pole sleeve per 40 CFR §63.1063(a)(2)(viii)(B)
GRPTK-1A	STORAGE TANKS/VESSELS	T-121, T-122, T-123, T-124, T-125, T-126, T-127, T-128, T-129, T-130, T-131, T-132, T-133, T-134, T-135, T-136, T-137, T-138, T-139, T-140, T-141, T-142, T-143, T-144	60Kb-4	40 CFR Part 60, Subpart Kb	WW Tank Control = An IFR is operated and maintained per 40 CFR § 63.1062(a)(1), Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Guidepole = Only a slotted

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					guidepole which has a pole wiper and pole sleeve per 40 CFR §63.1063(a)(2)(viii)(B)
GRPTK-1A	STORAGE TANKS/VESSELS	T-121, T-122, T-123, T-124, T-125, T-126, T-127, T-128, T-129, T-130, T-131, T-132, T-133, T-134, T-135, T-136, T-137, T-138, T-139, T-140, T-141, T-142, T-143, T-144	63EEEE-1	40 CFR Part 63, Subpart EEEE	No changing attributes.
GRPTK-2	STORAGE TANKS/VESSELS	T-201, T-202	60Kb-1	40 CFR Part 60, Subpart Kb	WW Tank Control = The storage vessel is not using 40 CFR 63, subpart WW to comply with 40 CFR 60, subpart Kb, Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRPTK-2	STORAGE TANKS/VESSELS	T-201, T-202	60Kb-2	40 CFR Part 60, Subpart Kb	WW Tank Control = The storage vessel is not using 40 CFR 63, subpart WW to comply with 40 CFR 60, subpart Kb, Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					but less than 11.1 psia
GRPTK-2	STORAGE TANKS/VESSELS	T-201, T-202	60Kb-3	40 CFR Part 60, Subpart Kb	WW Tank Control = An IFR is operated and maintained per 40 CFR § 63.1062(a)(1), Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer, Guidepole = Only a slotted guidepole which has a pole wiper and pole sleeve per 40 CFR §63.1063(a)(2)(viii)(B)
GRPTK-2	STORAGE TANKS/VESSELS	T-201, T-202	60Kb-4	40 CFR Part 60, Subpart Kb	WW Tank Control = An IFR is operated and maintained per 40 CFR § 63.1062(a)(1), Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Guidepole = Only a slotted guidepole which has a pole wiper and pole sleeve per 40 CFR §63.1063(a)(2)(viii)(B)
GRPTK-2	STORAGE TANKS/VESSELS	T-201, T-202	63EEEE-1	40 CFR Part 63, Subpart EEEE	No changing attributes.
GRPTK-2A	STORAGE TANKS/VESSELS	RT-1, RT-2	60Kb-1	40 CFR Part 60, Subpart Kb	WW Tank Control = The storage vessel is not using 40 CFR 63, subpart WW to comply with 40 CFR 60, subpart Kb, Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer, Maximum True Vapor Pressure =

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRPTK-2A	STORAGE TANKS/VESSELS	RT-1, RT-2	60Kb-2	40 CFR Part 60, Subpart Kb	WW Tank Control = The storage vessel is not using 40 CFR 63, subpart WW to comply with 40 CFR 60, subpart Kb, Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRPTK-2A	STORAGE TANKS/VESSELS	RT-1, RT-2	60Kb-3	40 CFR Part 60, Subpart Kb	WW Tank Control = An IFR is operated and maintained per 40 CFR § 63.1062(a)(1), Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer, Guidepole = Only a slotted guidepole which has a pole wiper and pole sleeve per 40 CFR §63.1063(a)(2)(viii)(B)
GRPTK-2A	STORAGE TANKS/VESSELS	RT-1, RT-2	60Kb-4	40 CFR Part 60, Subpart Kb	WW Tank Control = An IFR is operated and maintained per 40 CFR § 63.1062(a)(1), Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia,

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					Guidepole = Only a slotted guidepole which has a pole wiper and pole sleeve per 40 CFR §63.1063(a)(2)(viii)(B)
GRPTK-2A	STORAGE TANKS/VESSELS	RT-1, RT-2	63EEEE-1	40 CFR Part 63, Subpart EEEE	No changing attributes.
GRPVCU	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	VCU-1, VCU-2, VCU-3, VCU-5, VCU-6, VCU-7, VCU-8	R1111-2	30 TAC Chapter 111, Visible Emissions	No changing attributes.
MARINELOAD1	LOADING/UNLOADING OPERATIONS	N/A	63Y-3	40 CFR Part 63, Subpart Y	Throughput = Source with throughput less than 10 M barrels and 200 M barrels., Documenting Vapor Tightness = Electing to comply with the emissions reporting requirements in 40 CFR § 63.567(b)(5)(i).
MARINELOAD1	LOADING/UNLOADING OPERATIONS	N/A	63Y-4	40 CFR Part 63, Subpart Y	Throughput = Source with throughput less than 10 M barrels and 200 M barrels., Documenting Vapor Tightness = Electing to comply with the vapor tightness documentation in 40 CFR 63.567(b)(5)(ii).
MARINELOAD1	LOADING/UNLOADING OPERATIONS	N/A	63Y-5	40 CFR Part 63, Subpart Y	Throughput = Source with throughput of 10 M barrels or 200 M barrels., Documenting Vapor Tightness = Electing to comply with the emissions reporting requirements in 40 CFR § 63.567(b)(5)(i).
MARINELOAD1	LOADING/UNLOADING	N/A	63Y-6	40 CFR Part 63, Subpart Y	Throughput = Source with

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	OPERATIONS				throughput of 10 M barrels or 200 M barrels., Documenting Vapor Tightness = Electing to comply with the vapor tightness documentation in 40 CFR 63.567(b)(5)(ii).
MARINELOAD3	LOADING/UNLOADING OPERATIONS	N/A	63Y-3	40 CFR Part 63, Subpart Y	Throughput = Source with throughput less than 10 M barrels and 200 M barrels., Documenting Vapor Tightness = Electing to comply with the emissions reporting requirements in 40 CFR § 63.567(b)(5)(i).
MARINELOAD3	LOADING/UNLOADING OPERATIONS	N/A	63Y-4	40 CFR Part 63, Subpart Y	Throughput = Source with throughput less than 10 M barrels and 200 M barrels., Documenting Vapor Tightness = Electing to comply with the vapor tightness documentation in 40 CFR 63.567(b)(5)(ii).
MARINELOAD3	LOADING/UNLOADING OPERATIONS	N/A	63Y-5	40 CFR Part 63, Subpart Y	Throughput = Source with throughput of 10 M barrels or 200 M barrels., Documenting Vapor Tightness = Electing to comply with the emissions reporting requirements in 40 CFR § 63.567(b)(5)(i).
MARINELOAD3	LOADING/UNLOADING OPERATIONS	N/A	63Y-6	40 CFR Part 63, Subpart Y	Throughput = Source with throughput of 10 M barrels or 200 M barrels., Documenting Vapor Tightness = Electing to comply with the vapor tightness documentation in 40 CFR 63.567(b)(5)(ii).

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
TL-1	LOADING/UNLOADING OPERATIONS	N/A	R5211-2	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
TRUCKLOAD	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	Product Transferred = Liquefied petroleum gas (LPG), crude oil, or condensate., Transfer Type = Loading and unloading.
TRUCKLOAD	LOADING/UNLOADING OPERATIONS	N/A	R5211-2	30 TAC Chapter 115, Loading and Unloading of VOC	Product Transferred = Volatile organic compounds other than liquefied petroleum gas, crude oil, condensate and gasoline., True Vapor Pressure = True vapor pressure is less than 1.5 psia., Transfer Type = Only unloading.
TRUCKLOAD	LOADING/UNLOADING OPERATIONS	N/A	63EEEE-2	40 CFR Part 63, Subpart EEEE	No changing attributes.
VCU-4	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-2	30 TAC Chapter 111, Visible Emissions	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)
EDG-1	EU	60IIII-1	HC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1042.101 § 60.4202(f)(2) § 60.4204(f) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	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 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.	None	None	[G]§ 60.4214(d) § 60.4214(e)
EDG-1	EU	60IIII-1	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) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	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 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.	None	None	[G]§ 60.4214(d)
EDG-1	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(b)(1) § 63.6595(c) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	An affected source which meets either of the criteria in paragraphs §63.6590(b)(1)(i)-(ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the	None	None	§ 63.6645(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						initial notification requirements of §63.6645(f).			
ENGG-1	EU	63ZZZZ-3	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table 2c.6 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(j) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary SI RICE and black start stationary SI RICE with a site rating less than or equal to 500 HP, located at a major source, you must comply with the requirements as specified in Table 2c.6.a-c.	§ 63.6625(j) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(j) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
ENGG-4	EU	63ZZZZ-5	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table 2c.6 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(j) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary SI RICE and black start stationary SI RICE with a site rating less than or equal to 500 HP, located at a major source, you must comply with the requirements as specified in Table 2c.6.a-c.	§ 63.6625(j) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(j) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
FUG	EU	63EEEE	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2346(c) § 63.1003(a) § 63.1003(c)(2)(i)(A) § 63.1003(c)(2)(i)(B) § 63.1003(e)(1) § 63.1004(e)(1) § 63.1005(a)	Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart TT - National Emission Standards for Equipment Leaks - Control Level 1, with the differences noted in § 63.2346(c): § 63.1006,	§ 63.1004(a) § 63.1004(a)(1)(i) [G]§ 63.1004(b) [G]§ 63.1004(c) § 63.1004(d) § 63.2350(d) § 63.2378(a)-Table 10.5.a.i	§ 63.1003(c)(4) § 63.1003(c)(5)(i) § 63.1003(c)(5)(ii) § 63.1003(e)(2) § 63.1004(e)(2) § 63.1005(c) [G]§ 63.1005(e) § 63.1017(a) § 63.1017(b)(1)	§ 63.1018(a) [G]§ 63.1018(a)(1) [G]§ 63.1018(a)(2) § 63.1018(b) § 63.2382(a) § 63.2382(b)(2) § 63.2382(d)(1) [G]§ 63.2382(d)(2) § 63.2382(d)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.1005(b)(1) § 63.1005(c) § 63.1005(c)(1) § 63.1005(c)(2) [G]§ 63.1005(c)(3) [G]§ 63.1006 § 63.2346(c) § 63.2350(a) § 63.2370(a)-Table 7.4.a.i § 63.2370(a)-Table 7.4.a.ii § 63.2396(e)(2)	Valves in gas and vapor service and in light liquid service standards. § 63.1006(a)-(e)		§ 63.1017(b)(2) § 63.1017(b)(4) § 63.1017(b)(5) § 63.1017(b)(6) § 63.1017(c)(1) § 63.2350(d) § 63.2370(a)-Table 7.4.a.ii [G]§ 63.2390(b) § 63.2394(a) § 63.2394(b) § 63.2394(c)	§ 63.2386(a) § 63.2386(b) [G]§ 63.2386(b)(1) [G]§ 63.2386(b)(2) § 63.2386(b)(3) § 63.2386(b)-Table 11.1.a § 63.2386(b)-Table 11.1.b § 63.2386(b)-Table 11.2.a.i § 63.2386(c) § 63.2386(c)(1) § 63.2386(c)(12) § 63.2386(c)(2) § 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(c)(6) § 63.2386(c)(7) § 63.2386(d) § 63.2386(d)(2) § 63.2386(e) § 63.2386(f) [G]§ 63.2386(i) [G]§ 63.2386(j) § 63.2396(e)(2)
FUG	EU	63EEEE	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2346(c) § 63.1003(a) § 63.1003(b) § 63.1003(b)(2) § 63.1004(e)(1) § 63.1005(a) § 63.1005(b)(2) § 63.1005(c) § 63.1005(c)(1) § 63.1005(c)(2) [G]§ 63.1005(c)(4) [G]§ 63.1007 § 63.2346(c)	Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart TT - National Emission Standards for Equipment Leaks - Control Level 1, with the differences noted in § 63.2346(c): § 63.1007, Pumps in light liquid service standards. § 63.1007(a)-(e)	§ 63.1004(a) § 63.1004(a)(1)(ii) § 63.1004(a)(2)(i) [G]§ 63.1004(b) [G]§ 63.1004(c) § 63.1004(d) § 63.2350(d) § 63.2378(a)-Table 10.5.a.i	§ 63.1003(c)(4) § 63.1003(c)(5)(i) § 63.1004(e)(2) § 63.1005(c) [G]§ 63.1005(e) § 63.1017(a) § 63.1017(b)(1) § 63.1017(b)(2) § 63.1017(b)(5) § 63.1017(b)(6) [G]§ 63.1017(c)(2) § 63.2350(d) § 63.2370(a)-Table	§ 63.1018(a) [G]§ 63.1018(a)(1) [G]§ 63.1018(a)(2) § 63.2382(a) § 63.2382(b)(2) § 63.2382(d)(1) [G]§ 63.2382(d)(2) § 63.2382(d)(3) § 63.2386(a) § 63.2386(b) [G]§ 63.2386(b)(1) [G]§ 63.2386(b)(2) § 63.2386(b)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.2350(a) § 63.2370(a)-Table 7.4.a.i § 63.2370(a)-Table 7.4.a.ii § 63.2396(e)(2)			7.4.a.ii [G]§ 63.2390(b) § 63.2394(a) § 63.2394(b) § 63.2394(c)	§ 63.2386(b)-Table 11.1.a § 63.2386(b)-Table 11.1.b § 63.2386(b)-Table 11.2.a.i § 63.2386(c) § 63.2386(c)(1) § 63.2386(c)(12) § 63.2386(c)(2) § 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(c)(6) § 63.2386(c)(7) § 63.2386(d) § 63.2386(d)(2) § 63.2386(e) § 63.2386(f) [G]§ 63.2386(i) [G]§ 63.2386(j) § 63.2396(e)(2)
FUG	EU	63EEEE	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2346(c) § 63.1003(a) § 63.1003(b) § 63.1003(b)(1) § 63.1003(d)(1) § 63.1004(e)(1) § 63.1005(a) § 63.1005(b)(1) § 63.1005(c) § 63.1005(c)(1) § 63.1005(c)(2) [G]§ 63.1005(c)(3) § 63.1005(d) [G]§ 63.1008 § 63.2346(c) § 63.2350(a) § 63.2370(a)-Table 7.4.a.i	Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart TT - National Emission Standards for Equipment Leaks - Control Level 1, with the differences noted in § 63.2346(c): § 63.1008, Connectors in gas and vapor service and in light liquid service standards. § 63.1008(a)-(d)	§ 63.1004(a) § 63.1004(a)(1)(iii) [G]§ 63.1004(b) [G]§ 63.1004(c) § 63.1004(d) § 63.2350(d) § 63.2378(a)-Table 10.5.a.i	§ 63.1003(c)(4) § 63.1003(c)(5)(i) § 63.1003(d)(2) § 63.1004(e)(2) § 63.1005(c) [G]§ 63.1005(e) § 63.1017(a) § 63.1017(b)(1) § 63.1017(b)(2) § 63.1017(b)(3) § 63.1017(b)(5) § 63.1017(b)(6) § 63.2350(d) § 63.2370(a)-Table 7.4.a.ii [G]§ 63.2390(b) § 63.2394(a) § 63.2394(b)	§ 63.1018(a) [G]§ 63.1018(a)(1) [G]§ 63.1018(a)(2) § 63.2382(a) § 63.2382(b)(2) § 63.2382(d)(1) [G]§ 63.2382(d)(2) § 63.2382(d)(3) § 63.2386(a) § 63.2386(b) [G]§ 63.2386(b)(1) [G]§ 63.2386(b)(2) § 63.2386(b)(3) § 63.2386(b)-Table 11.1.a § 63.2386(b)-Table 11.1.b § 63.2386(b)-Table

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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)
					§ 63.2370(a)-Table 7.4.a.ii § 63.2396(e)(2)			§ 63.2394(c)	11.2.a.i § 63.2386(c) § 63.2386(c)(1) § 63.2386(c)(12) § 63.2386(c)(2) § 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(c)(6) § 63.2386(c)(7) § 63.2386(d) § 63.2386(d)(2) § 63.2386(e) § 63.2386(f) [G]§ 63.2386(i) [G]§ 63.2386(j) § 63.2396(e)(2)
FUG	EU	63EEEE	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2346(c) § 63.1003(a) § 63.1003(b) § 63.1003(b)(2) § 63.1003(c)(2)(ii) § 63.1004(e)(1) § 63.1005(a) § 63.1005(b)(2) § 63.1005(c) § 63.1005(c)(1) § 63.1005(c)(2) [G]§ 63.1005(c)(3) [G]§ 63.1009 § 63.2346(c) § 63.2350(a) § 63.2370(a)-Table 7.4.a.i § 63.2370(a)-Table 7.4.a.ii § 63.2396(e)(2)	Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart TT - National Emission Standards for Equipment Leaks - Control Level 1, with the differences noted in § 63.2346(c): § 63.1009, Agitators in gas and vapor service and in light liquid service standards. § 63.1009(a)-(e)	§ 63.1004(a) § 63.1004(a)(1)(iv) § 63.1004(a)(2)(iii) [G]§ 63.1004(b) [G]§ 63.1004(c) § 63.2350(d) § 63.2378(a)-Table 10.5.a.i	§ 63.1003(c)(4) § 63.1003(c)(5)(i) § 63.1003(c)(5)(ii) § 63.1004(e)(2) § 63.1005(c) [G]§ 63.1005(e) § 63.1017(a) § 63.1017(b)(1) § 63.1017(b)(2) § 63.1017(b)(5) § 63.1017(b)(6) [G]§ 63.1017(c)(4) § 63.2350(d) § 63.2370(a)-Table 7.4.a.ii [G]§ 63.2390(b) § 63.2394(a) § 63.2394(b) § 63.2394(c)	§ 63.1018(a) [G]§ 63.1018(a)(1) [G]§ 63.1018(a)(2) § 63.2382(a) § 63.2382(b)(2) § 63.2382(d)(1) [G]§ 63.2382(d)(2) § 63.2382(d)(3) § 63.2386(a) § 63.2386(b) [G]§ 63.2386(b)(1) [G]§ 63.2386(b)(2) § 63.2386(b)(3) § 63.2386(b)-Table 11.1.a § 63.2386(b)-Table 11.1.b § 63.2386(b)-Table 11.2.a.i § 63.2386(c) § 63.2386(c)(1) § 63.2386(c)(12) § 63.2386(c)(2)

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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)
									§ 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(c)(6) § 63.2386(c)(7) § 63.2386(d) § 63.2386(d)(2) § 63.2386(e) § 63.2386(f) [G]§ 63.2386(i) [G]§ 63.2386(j) § 63.2396(e)(2)
FUG	EU	63EEEE	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2346(c) § 63.1003(a) § 63.1003(b) § 63.1005(a) § 63.1005(c) § 63.1005(c)(1) § 63.1005(c)(2) [G]§ 63.1005(c)(4) [G]§ 63.1010 § 63.2346(c) § 63.2350(a) § 63.2370(a)-Table 7.4.a.i § 63.2370(a)-Table 7.4.a.ii § 63.2396(e)(2)	Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart TT - National Emission Standards for Equipment Leaks - Control Level 1, with the differences noted in § 63.2346(c): § 63.1010, Pumps in heavy liquid service standards. § 63.1010(a)-(c)	[G]§ 63.1010 § 63.2350(d) § 63.2378(a)-Table 10.5.a.i	§ 63.1005(c) [G]§ 63.1005(e) § 63.1017(a) § 63.1017(b)(1) § 63.1017(b)(6) § 63.2350(d) § 63.2370(a)-Table 7.4.a.ii [G]§ 63.2390(b) § 63.2394(a) § 63.2394(b) § 63.2394(c)	§ 63.1018(a) [G]§ 63.1018(a)(1) [G]§ 63.1018(a)(2) § 63.2382(a) § 63.2382(b)(2) § 63.2382(d)(1) [G]§ 63.2382(d)(2) § 63.2382(d)(3) § 63.2386(a) § 63.2386(b) [G]§ 63.2386(b)(1) [G]§ 63.2386(b)(2) § 63.2386(b)(3) § 63.2386(b)-Table 11.1.a § 63.2386(b)-Table 11.1.b § 63.2386(b)-Table 11.2.a.i § 63.2386(c) § 63.2386(c)(1) § 63.2386(c)(12) § 63.2386(c)(2) § 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(c)(6) § 63.2386(c)(7) § 63.2386(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)
									§ 63.2386(d)(2) § 63.2386(e) § 63.2386(f) [G]§ 63.2386(i) [G]§ 63.2386(j) § 63.2396(e)(2)
FUG	EU	63EEEE	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2346(c) § 63.1003(a) § 63.1003(b) § 63.1005(a) § 63.1005(c) § 63.1005(c)(1) § 63.1005(c)(2) [G]§ 63.1005(c)(3) [G]§ 63.1010 § 63.2346(c) § 63.2350(a) § 63.2370(a)-Table 7.4.a.i § 63.2370(a)-Table 7.4.a.ii § 63.2396(e)(2)	Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart TT - National Emission Standards for Equipment Leaks - Control Level 1, with the differences noted in § 63.2346(c): § 63.1010, Valves in heavy liquid service standards. § 63.1010(a)-(c)	[G]§ 63.1010 § 63.2350(d) § 63.2378(a)-Table 10.5.a.i	§ 63.1005(c) [G]§ 63.1005(e) § 63.1017(a) § 63.1017(b)(1) § 63.1017(b)(6) § 63.2350(d) § 63.2370(a)-Table 7.4.a.ii [G]§ 63.2390(b) § 63.2394(a) § 63.2394(b) § 63.2394(c)	§ 63.1018(a) [G]§ 63.1018(a)(1) [G]§ 63.1018(a)(2) § 63.2382(a) § 63.2382(b)(2) § 63.2382(d)(1) [G]§ 63.2382(d)(2) § 63.2382(d)(3) § 63.2386(a) § 63.2386(b) [G]§ 63.2386(b)(1) [G]§ 63.2386(b)(2) § 63.2386(b)(3) § 63.2386(b)-Table 11.1.a § 63.2386(b)-Table 11.1.b § 63.2386(b)-Table 11.2.a.i § 63.2386(c) § 63.2386(c)(1) § 63.2386(c)(12) § 63.2386(c)(2) § 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(c)(6) § 63.2386(c)(7) § 63.2386(d) § 63.2386(d)(2) § 63.2386(e) § 63.2386(f) [G]§ 63.2386(i) [G]§ 63.2386(j)

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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)
									§ 63.2396(e)(2)
FUG	EU	63EEEE	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2346(c) § 63.1003(a) § 63.1003(b) § 63.1003(b)(1) § 63.1003(d)(1) § 63.1005(a) § 63.1005(c) § 63.1005(c)(1) § 63.1005(c)(2) [G]§ 63.1005(c)(3) § 63.1005(d) [G]§ 63.1010 § 63.2346(c) § 63.2350(a) § 63.2370(a)-Table 7.4.a.i § 63.2370(a)-Table 7.4.a.ii § 63.2396(e)(2)	Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart TT - National Emission Standards for Equipment Leaks - Control Level 1, with the differences noted in § 63.2346(c): § 63.1010, Connectors in heavy liquid service standards. § 63.1010(a)-(c)	[G]§ 63.1010 § 63.2350(d) § 63.2378(a)-Table 10.5.a.i	§ 63.1003(d)(2) § 63.1005(c) [G]§ 63.1005(e) § 63.1017(a) § 63.1017(b)(1) § 63.1017(b)(3) § 63.1017(b)(6) § 63.2350(d) § 63.2370(a)-Table 7.4.a.ii [G]§ 63.2390(b) § 63.2394(a) § 63.2394(b) § 63.2394(c)	§ 63.1018(a) [G]§ 63.1018(a)(1) [G]§ 63.1018(a)(2) § 63.2382(a) § 63.2382(b)(2) § 63.2382(d)(1) [G]§ 63.2382(d)(2) § 63.2382(d)(3) § 63.2386(a) § 63.2386(b) [G]§ 63.2386(b)(1) [G]§ 63.2386(b)(2) § 63.2386(b)(3) § 63.2386(b)-Table 11.1.a § 63.2386(b)-Table 11.1.b § 63.2386(b)-Table 11.2.a.i § 63.2386(c) § 63.2386(c)(1) § 63.2386(c)(12) § 63.2386(c)(2) § 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(c)(6) § 63.2386(c)(7) § 63.2386(d) § 63.2386(d)(2) § 63.2386(e) § 63.2386(f) [G]§ 63.2386(i) [G]§ 63.2386(j) § 63.2396(e)(2)
FUG	EU	63EEEE	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2346(c) § 63.1003(a) § 63.1003(b)	Control equipment leaks according to all applicable requirements under 40 CFR	[G]§ 63.1010 § 63.2350(d) § 63.2378(a)-Table	§ 63.1005(c) [G]§ 63.1005(e) § 63.1017(a)	§ 63.1018(a) [G]§ 63.1018(a)(1) [G]§ 63.1018(a)(2)

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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)
					§ 63.1005(a) § 63.1005(c) § 63.1005(c)(1) § 63.1005(c)(2) [G]§ 63.1005(c)(3) [G]§ 63.1010 § 63.2346(c) § 63.2350(a) § 63.2370(a)-Table 7.4.a.i § 63.2370(a)-Table 7.4.a.ii § 63.2396(e)(2)	part 63, subpart TT - National Emission Standards for Equipment Leaks - Control Level 1, with the differences noted in § 63.2346(c): § 63.1010, Agitators in heavy liquid service standards. § 63.1010(a)-(c)	10.5.a.i	§ 63.1017(b)(1) § 63.1017(b)(6) § 63.2350(d) § 63.2370(a)-Table 7.4.a.ii [G]§ 63.2390(b) § 63.2394(a) § 63.2394(b) § 63.2394(c)	§ 63.2382(a) § 63.2382(b)(2) § 63.2382(d)(1) [G]§ 63.2382(d)(2) § 63.2382(d)(3) § 63.2386(a) § 63.2386(b) [G]§ 63.2386(b)(1) [G]§ 63.2386(b)(2) § 63.2386(b)(3) § 63.2386(b)-Table 11.1.a § 63.2386(b)-Table 11.1.b § 63.2386(b)-Table 11.2.a.i § 63.2386(c) § 63.2386(c)(1) § 63.2386(c)(12) § 63.2386(c)(2) § 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(c)(6) § 63.2386(c)(7) § 63.2386(d) § 63.2386(d)(2) § 63.2386(e) § 63.2386(f) [G]§ 63.2386(i) [G]§ 63.2386(j) § 63.2396(e)(2)
FUG	EU	63EEEE	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2346(c) § 63.1003(a) § 63.1003(b) § 63.1005(a) § 63.1005(c) § 63.1005(c)(1) § 63.1005(c)(2) [G]§ 63.1010	Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart TT - National Emission Standards for Equipment Leaks - Control Level 1, with the differences noted in	[G]§ 63.1010 § 63.2350(d) § 63.2378(a)-Table 10.5.a.i	§ 63.1005(c) [G]§ 63.1005(e) § 63.1017(a) § 63.1017(b)(1) § 63.1017(b)(6) § 63.2350(d) § 63.2370(a)-Table 7.4.a.ii	§ 63.1018(a) [G]§ 63.1018(a)(1) [G]§ 63.1018(a)(2) § 63.2382(a) § 63.2382(b)(2) § 63.2382(d)(1) [G]§ 63.2382(d)(2) § 63.2382(d)(3)

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					§ 63.2346(c) § 63.2350(a) § 63.2370(a)-Table 7.4.a.i § 63.2370(a)-Table 7.4.a.ii § 63.2396(e)(2)	§ 63.2346(c): § 63.1010, Pressure relief devices in liquid service standards. § 63.1010(a)-(c)		[G]§ 63.2390(b) § 63.2394(a) § 63.2394(b) § 63.2394(c)	§ 63.2386(a) § 63.2386(b) [G]§ 63.2386(b)(1) [G]§ 63.2386(b)(2) § 63.2386(b)(3) § 63.2386(b)-Table 11.1.a § 63.2386(b)-Table 11.1.b § 63.2386(b)-Table 11.2.a.i § 63.2386(c) § 63.2386(c)(1) § 63.2386(c)(12) § 63.2386(c)(2) § 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(c)(6) § 63.2386(c)(7) § 63.2386(d) § 63.2386(d)(2) § 63.2386(e) § 63.2386(f) [G]§ 63.2386(i) [G]§ 63.2386(j) § 63.2396(e)(2)
FUG	EU	63EEEE	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2346(c) § 63.1003(a) § 63.1003(b) § 63.1003(b)(4) § 63.1005(a) § 63.1005(c) § 63.1005(c)(1) § 63.1005(c)(2) [G]§ 63.1010 § 63.2346(c) § 63.2350(a) § 63.2370(a)-Table 7.4.a.i	Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart TT - National Emission Standards for Equipment Leaks - Control Level 1, with the differences noted in § 63.2346(c): § 63.1010, Instrumentation systems standards. § 63.1010(a)-(c)	[G]§ 63.1010 § 63.2350(d) § 63.2378(a)-Table 10.5.a.i	§ 63.1005(c) [G]§ 63.1005(e) § 63.1017(a) § 63.1017(b)(1) § 63.1017(b)(6) § 63.2350(d) § 63.2370(a)-Table 7.4.a.ii [G]§ 63.2390(b) § 63.2394(a) § 63.2394(b) § 63.2394(c)	§ 63.1018(a) [G]§ 63.1018(a)(1) [G]§ 63.1018(a)(2) § 63.2382(a) § 63.2382(b)(2) § 63.2382(d)(1) [G]§ 63.2382(d)(2) § 63.2382(d)(3) § 63.2386(a) § 63.2386(b) [G]§ 63.2386(b)(1) [G]§ 63.2386(b)(2) § 63.2386(b)(3)

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					§ 63.2370(a)-Table 7.4.a.ii § 63.2396(e)(2)				§ 63.2386(b)-Table 11.1.a § 63.2386(b)-Table 11.1.b § 63.2386(b)-Table 11.2.a.i § 63.2386(c) § 63.2386(c)(1) § 63.2386(c)(12) § 63.2386(c)(2) § 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(c)(6) § 63.2386(c)(7) § 63.2386(d) § 63.2386(d)(2) § 63.2386(e) § 63.2386(f) [G]§ 63.2386(i) [G]§ 63.2386(j) § 63.2396(e)(2)
FUG	EU	63EEEE	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2346(c) § 63.1003(a) § 63.1003(b) § 63.1003(b)(2) § 63.1003(b)(3) § 63.1003(e)(1) § 63.1004(e)(1) § 63.1005(a) § 63.1005(b)(2) § 63.1005(c) § 63.1005(c)(1) § 63.1005(c)(2) [G]§ 63.1011 § 63.2346(c) § 63.2350(a) § 63.2370(a)-Table 7.4.a.i § 63.2370(a)-Table	Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart TT - National Emission Standards for Equipment Leaks - Control Level 1, with the differences noted in § 63.2346(c): § 63.1011, Pressure relief devices in gas and vapor service standards. § 63.1011(a)-(e)	§ 63.1004(a) § 63.1004(a)(1)(v) [G]§ 63.1004(b) [G]§ 63.1004(c) § 63.1004(d) § 63.2350(d) § 63.2378(a)-Table 10.5.a.i	§ 63.1003(e)(2) § 63.1004(e)(2) § 63.1005(c) [G]§ 63.1005(e) § 63.1017(a) § 63.1017(b)(1) § 63.1017(b)(4) § 63.1017(b)(5) § 63.1017(b)(6) § 63.1017(c)(5) § 63.2350(d) § 63.2370(a)-Table 7.4.a.ii [G]§ 63.2390(b) § 63.2394(a) § 63.2394(b) § 63.2394(c)	§ 63.1018(a) [G]§ 63.1018(a)(1) [G]§ 63.1018(a)(2) § 63.2382(a) § 63.2382(b)(2) § 63.2382(d)(1) [G]§ 63.2382(d)(2) § 63.2382(d)(3) § 63.2386(a) § 63.2386(b) [G]§ 63.2386(b)(1) [G]§ 63.2386(b)(2) § 63.2386(b)(3) § 63.2386(b)-Table 11.1.a § 63.2386(b)-Table 11.1.b § 63.2386(b)-Table

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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)
					7.4.a.ii § 63.2396(e)(2)				11.2.a.i § 63.2386(c) § 63.2386(c)(1) § 63.2386(c)(12) § 63.2386(c)(2) § 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(c)(6) § 63.2386(c)(7) § 63.2386(d) § 63.2386(d)(2) § 63.2386(e) § 63.2386(f) [G]§ 63.2386(i) [G]§ 63.2386(j) § 63.2396(e)(2)
FUG	EU	63EEEE	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2346(c) § 63.1003(a) § 63.1003(b) § 63.1003(b)(2) § 63.1003(e)(1) § 63.1003(e)(3) § 63.1004(e)(1) § 63.1005(a) § 63.1005(b)(2) § 63.1005(c) § 63.1005(c)(1) § 63.1005(c)(2) [G]§ 63.1012 § 63.2346(c) § 63.2350(a) § 63.2370(a)-Table 7.4.a.i § 63.2370(a)-Table 7.4.a.ii § 63.2396(e)(2)	Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart TT - National Emission Standards for Equipment Leaks - Control Level 1, with the differences noted in § 63.2346(c): § 63.1012, Compressor standards § 63.1012(a)-(g)	§ 63.1004(a) § 63.1004(a)(1)(vi) [G]§ 63.1004(b) [G]§ 63.1004(c) § 63.2350(d) § 63.2378(a)-Table 10.5.a.i	§ 63.1003(e)(2) § 63.1004(e)(2) § 63.1005(c) [G]§ 63.1005(e) § 63.1017(a) § 63.1017(b)(1) § 63.1017(b)(4) § 63.1017(b)(5) § 63.1017(b)(6) [G]§ 63.1017(c)(6) § 63.2350(d) § 63.2370(a)-Table 7.4.a.ii [G]§ 63.2390(b) § 63.2394(a) § 63.2394(b) § 63.2394(c)	§ 63.1018(a) [G]§ 63.1018(a)(1) [G]§ 63.1018(a)(2) § 63.2382(a) § 63.2382(b)(2) § 63.2382(d)(1) [G]§ 63.2382(d)(2) § 63.2382(d)(3) § 63.2386(a) § 63.2386(b) [G]§ 63.2386(b)(1) [G]§ 63.2386(b)(2) § 63.2386(b)(3) § 63.2386(b)-Table 11.1.a § 63.2386(b)-Table 11.1.b § 63.2386(b)-Table 11.2.a.i § 63.2386(c) § 63.2386(c)(1) § 63.2386(c)(12) § 63.2386(c)(2)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(c)(6) § 63.2386(c)(7) § 63.2386(d) § 63.2386(d)(2) § 63.2386(e) § 63.2386(f) [G]§ 63.2386(i) [G]§ 63.2386(j) § 63.2396(e)(2)
FUG	EU	63EEEE	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2346(c) § 63.1003(a) § 63.1005(a) § 63.1005(c) § 63.1005(c)(1) § 63.1005(c)(2) § 63.1013(b) [G]§ 63.1013(c) § 63.1013(d) § 63.2346(c) § 63.2350(a) § 63.2370(a)-Table 7.4.a.i § 63.2370(a)-Table 7.4.a.ii § 63.2396(e)(2)	Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart TT - National Emission Standards for Equipment Leaks - Control Level 1, with the differences noted in § 63.2346(c): § 63.1013(b), Each sampling connection system shall be equipped with a closed purge, closed loop, or closed vent system, except as provided in § 63.1013(d). Gases displaced during filling of the sample container are not required to be collected or captured.	[G]§ 63.1013(c) § 63.2350(d) § 63.2378(a)-Table 10.5.a.i	§ 63.1005(c) [G]§ 63.1005(e) § 63.1017(a) § 63.1017(b)(1) § 63.1017(b)(6) § 63.2350(d) § 63.2370(a)-Table 7.4.a.ii [G]§ 63.2390(b) § 63.2394(a) § 63.2394(b) § 63.2394(c)	§ 63.1018(a) [G]§ 63.1018(a)(1) [G]§ 63.1018(a)(2) § 63.2382(a) § 63.2382(b)(2) § 63.2382(d)(1) [G]§ 63.2382(d)(2) § 63.2382(d)(3) § 63.2386(a) § 63.2386(b) [G]§ 63.2386(b)(1) [G]§ 63.2386(b)(2) § 63.2386(b)(3) § 63.2386(b)-Table 11.1.a § 63.2386(b)-Table 11.1.b § 63.2386(b)-Table 11.2.a.i § 63.2386(c) § 63.2386(c)(1) § 63.2386(c)(12) § 63.2386(c)(2) § 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(c)(6) § 63.2386(c)(7) § 63.2386(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)
									§ 63.2386(d)(2) § 63.2386(e) § 63.2386(f) [G]§ 63.2386(i) [G]§ 63.2386(j) § 63.2396(e)(2)
FUG	EU	63EEEE	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2346(c) § 63.1003(a) § 63.1005(a) § 63.1005(c) § 63.1005(c)(1) § 63.1005(c)(2) [G]§ 63.1014 § 63.2346(c) § 63.2350(a) § 63.2370(a)-Table 7.4.a.i § 63.2370(a)-Table 7.4.a.ii § 63.2396(e)(2)	Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart TT - National Emission Standards for Equipment Leaks - Control Level 1, with the differences noted in § 63.2346(c): § 63.1014, Open-ended valves or lines standards. § 63.1014(a)-(d)	§ 63.2350(d) § 63.2378(a)-Table 10.5.a.i	§ 63.1005(c) [G]§ 63.1005(e) § 63.1017(a) § 63.1017(b)(1) § 63.1017(b)(6) § 63.2350(d) § 63.2370(a)-Table 7.4.a.ii [G]§ 63.2390(b) § 63.2394(a) § 63.2394(b) § 63.2394(c)	§ 63.1018(a) [G]§ 63.1018(a)(1) [G]§ 63.1018(a)(2) § 63.2382(a) § 63.2382(b)(2) § 63.2382(d)(1) [G]§ 63.2382(d)(2) § 63.2382(d)(3) § 63.2386(a) § 63.2386(b) [G]§ 63.2386(b)(1) [G]§ 63.2386(b)(2) § 63.2386(b)(3) § 63.2386(b)-Table 11.1.a § 63.2386(b)-Table 11.1.b § 63.2386(b)-Table 11.2.a.i § 63.2386(c) § 63.2386(c)(1) § 63.2386(c)(12) § 63.2386(c)(2) § 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(c)(6) § 63.2386(c)(7) § 63.2386(d) § 63.2386(d)(2) § 63.2386(e) § 63.2386(f) [G]§ 63.2386(i) [G]§ 63.2386(j)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.2396(e)(2)
FUG	EU	63EEEE	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2346(c) § 63.1003(a) § 63.1005(a) § 63.1005(c) § 63.1005(c)(1) § 63.1005(c)(2) § 63.1015(b)(1) § 63.2346(c) § 63.2350(a) § 63.2370(a)-Table 7.4.a.i § 63.2370(a)-Table 7.4.a.ii § 63.2378(e) § 63.2378(e)(1) § 63.2378(e)(2) § 63.2378(e)(3) § 63.2378(e)(4) § 63.2396(e)(2)	Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart TT - NESHAP for Equipment Leaks - Control Level 1, with the differences noted in § 63.2346(c): § 63.1015(b)(1), Owners or operators of closed vent systems and nonflare control devices used to comply with provisions of this subpart shall design and operate the closed vent system and nonflare control devices to reduce emissions of regulated material with an efficiency of 95 percent or greater.	§ 63.2350(d) § 63.2378(a)-Table 10.5.a.i	§ 63.1005(c) [G]§ 63.1005(e) § 63.1017(a) § 63.1017(b)(1) § 63.1017(b)(6) § 63.2350(d) § 63.2370(a)-Table 7.4.a.ii [G]§ 63.2390(b) § 63.2390(g) § 63.2394(a) § 63.2394(b) § 63.2394(c)	§ 63.1018(a) [G]§ 63.1018(a)(1) [G]§ 63.1018(a)(2) § 63.2382(a) § 63.2382(b)(2) § 63.2382(d)(1) [G]§ 63.2382(d)(2) § 63.2382(d)(3) § 63.2386(a) § 63.2386(b) [G]§ 63.2386(b)(1) [G]§ 63.2386(b)(2) § 63.2386(b)(3) § 63.2386(b)-Table 11.1.a § 63.2386(b)-Table 11.1.b § 63.2386(b)-Table 11.2.a.i § 63.2386(c) § 63.2386(c)(1) § 63.2386(c)(12) § 63.2386(c)(2) § 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(c)(6) § 63.2386(c)(7) [G]§ 63.2386(c)(8) § 63.2386(d) § 63.2386(d)(2) § 63.2386(e) § 63.2386(f) [G]§ 63.2386(i) [G]§ 63.2386(j) § 63.2396(e)(2)
FUG	EU	63EEEE	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2346(c) § 63.1003(a)	Control equipment leaks according to all applicable	§ 63.2350(d) § 63.2378(a)-Table	§ 63.1005(c) [G]§ 63.1005(e)	§ 63.1018(a) [G]§ 63.1018(a)(1)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.1005(a) § 63.1005(c) § 63.1005(c)(1) § 63.1005(c)(2) § 63.1015(b)(1) § 63.2346(c) § 63.2350(a) § 63.2370(a)-Table 7.4.a.i § 63.2370(a)-Table 7.4.a.ii § 63.2378(e) § 63.2378(e)(1) § 63.2378(e)(2) § 63.2378(e)(3) § 63.2378(e)(4) § 63.2396(e)(2)	requirements under 40 CFR part 63, subpart TT - National Emission Standards for Equipment Leaks - Control Level 1, with the differences noted in § 63.2346(c): § 63.1015(b)(1), Owners or operators of closed vent systems and an enclosed combustion device used to comply with provisions of this subpart shall design and operate the closed vent system and enclosed combustion device to provide a minimum of 760°C (1400°F).	10.5.a.i	§ 63.1017(a) § 63.1017(b)(1) § 63.1017(b)(6) § 63.2350(d) § 63.2370(a)-Table 7.4.a.ii [G]§ 63.2390(b) § 63.2390(g) § 63.2394(a) § 63.2394(b) § 63.2394(c)	[G]§ 63.1018(a)(2) § 63.2382(a) § 63.2382(b)(2) § 63.2382(d)(1) [G]§ 63.2382(d)(2) § 63.2382(d)(3) § 63.2386(a) § 63.2386(b) [G]§ 63.2386(b)(1) [G]§ 63.2386(b)(2) § 63.2386(b)(3) § 63.2386(b)-Table 11.1.a § 63.2386(b)-Table 11.1.b § 63.2386(b)-Table 11.2.a.i § 63.2386(c) § 63.2386(c)(1) § 63.2386(c)(12) § 63.2386(c)(2) § 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(c)(6) § 63.2386(c)(7) [G]§ 63.2386(c)(8) § 63.2386(d) § 63.2386(d)(2) § 63.2386(e) § 63.2386(f) [G]§ 63.2386(i) [G]§ 63.2386(j) § 63.2396(e)(2)
GRPENGG	EU	63ZZZZ-4	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	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)
						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.			
GRPFWP1	EU	60IIII-2	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) § 60.4218	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as listed in Table 4 to this subpart.	None	None	[G]§ 60.4214(d)
GRPFWP1	EU	60IIII-2	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) § 60.4218	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	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						this subpart.			
GRPFWP1	EU	63ZZZZ-2	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
GRPFWP2	EU	60IIII-3	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) § 60.4218	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.	None	None	[G]§ 60.4214(d)
GRPFWP2	EU	60IIII-3	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)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	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.			
GRPFWP2	EU	60IIII-3	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) § 60.4218	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.	None	None	[G]§ 60.4214(d)
GRPFWP2	EU	60IIII-3	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) § 60.4218	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	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						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).			
GRPFWP2	EU	63ZZZZ-6	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
GRPMVCU	EP	R1111-2	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRPTK-1	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1) § 115.111(c)(2) § 115.112(c)(2) § 115.112(c)(2)(A) § 115.112(c)(3) § 115.112(c)(3)(A)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the	§ 115.114(c)(1)(A)	None	§ 115.114(c)(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)
					§ 115.114(c)(1)(A)	appropriate control device specified in Table I(b).			
GRPTK-1	EU	60Kb-1	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) [G]§ 60.116b(e)(3)	§ 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)
GRPTK-1	EU	60Kb-2	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)
GRPTK-1	EU	63Kb-3	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(e)(5) § 63.1062(a) § 63.1062(a)(1) § 63.1063(a)(1)(i) § 63.1063(a)(1)(i)(B) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(iv) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(viii)	Compliance with 40 CFR part 63, subpart WW, may be chosen to satisfy the requirements of 40 CFR part 60, subpart Kb for IFR storage vessels with a design capacity greater than or equal to 75 m3 but less than 151 m3 containing a VOL with a max true vapor pressure equal to or greater than 27.6 kPa but less than 76.6 kPa.	§ 60.110b(e)(5)(iii) § 60.116b(a) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 63.1063(c)(1) [G]§ 63.1063(c)(1)(i) [G]§ 63.1063(d)(1) § 63.1063(d)(2)	§ 60.110b(e)(5)(iv)(B) § 60.110b(e)(5)(iv)(C) § 60.110b(e)(5)(iv)(D) § 60.110b(e)(5)(iv)(E) § 60.116b(a) § 60.116b(c) § 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(c) § 63.1065(d)	§ 60.110b(e)(5)(iv)(A) § 60.110b(e)(5)(iv)(F)(1) § 60.110b(e)(5)(iv)(F)(2) [G]§ 63.1066(a) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(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)
					§ 63.1063(a)(2)(viii)(B) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(e)(1) § 63.1063(e)(2)				
GRPTK-1	EU	63Kb-4	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(e)(5) § 63.1062(a) § 63.1062(a)(1) § 63.1063(a)(1)(i) § 63.1063(a)(1)(i)(B) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(iv) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(B) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(e)(1) § 63.1063(e)(2)	Compliance with 40 CFR part 63, subpart WW, may be chosen to satisfy the requirements of 40 CFR part 60, subpart Kb for IFR storage vessels with a design capacity greater than or equal to 75 m3 but less than 151 m3 containing a VOL with a max true vapor pressure equal to or greater than 27.6 kPa but less than 76.6 kPa.	§ 60.110b(e)(5)(iii) § 60.116b(a) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) § 63.1063(c)(1) [G]§ 63.1063(c)(1)(i) [G]§ 63.1063(d)(1) § 63.1063(d)(2)	§ 60.110b(e)(5)(iv)(B) § 60.110b(e)(5)(iv)(C) § 60.110b(e)(5)(iv)(D) § 60.110b(e)(5)(iv)(E) § 60.116b(a) § 60.116b(c) § 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(c) § 63.1065(d)	§ 60.110b(e)(5)(iv)(A) § 60.110b(e)(5)(iv)(F)(1) § 60.110b(e)(5)(iv)(F)(2) [G]§ 63.1066(a) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4)
GRPTK-1	EU	63EEEE-1	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2396(a)(1)	After the compliance dates specified in §63.2342, you are in compliance with the provisions of this subpart for any storage tank that is assigned to the OLD	None	§ 63.2396(a)(1)	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)
						affected source and that is both controlled with a floating roof and is in compliance with the provisions of either 40 CFR part 60, subpart Kb, or 40 CFR part 61, subpart Y, except that records shall be kept for 5 years rather than 2 years for storage tanks that are assigned to the OLD affected source.			
GRPTK-1A	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1) § 115.111(c)(2) § 115.112(c)(2) § 115.112(c)(2)(A) § 115.112(c)(3) § 115.112(c)(3)(A) § 115.114(c)(1)(A)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	§ 115.114(c)(1)(A)	None	§ 115.114(c)(1)(B)
GRPTK-1A	EU	60Kb-1	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) [G]§ 60.116b(e)(3)	§ 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)
GRPTK-1A	EU	60Kb-2	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)	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)	§ 60.115b § 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)

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)
					§ 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)		§ 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)		
GRPTK-1A	EU	60Kb-3	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(e)(5) § 63.1062(a) § 63.1062(a)(1) § 63.1063(a)(1)(i) § 63.1063(a)(1)(i)(B) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(iv) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(B) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(e)(1) § 63.1063(e)(2)	Compliance with 40 CFR part 63, subpart WW, may be chosen to satisfy the requirements of 40 CFR part 60, subpart Kb for IFR storage vessels with a design capacity greater than or equal to 75 m3 but less than 151 m3 containing a VOL with a max true vapor pressure equal to or greater than 27.6 kPa but less than 76.6 kPa.	§ 60.110b(e)(5)(iii) § 60.116b(a) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 63.1063(c)(1) [G]§ 63.1063(c)(1)(i) [G]§ 63.1063(d)(1) § 63.1063(d)(2)	§ 60.110b(e)(5)(iv)(B) § 60.110b(e)(5)(iv)(C) § 60.110b(e)(5)(iv)(D) § 60.110b(e)(5)(iv)(E) § 60.116b(a) § 60.116b(c) § 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(c) § 63.1065(d)	§ 60.110b(e)(5)(iv)(A) § 60.110b(e)(5)(iv)(F)(1) § 60.110b(e)(5)(iv)(F)(2) [G]§ 63.1066(a) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4)
GRPTK-1A	EU	60Kb-4	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(e)(5) § 63.1062(a) § 63.1062(a)(1) § 63.1063(a)(1)(i) § 63.1063(a)(1)(i)(B) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(iv) § 63.1063(a)(2)(ix)	Compliance with 40 CFR part 63, subpart WW, may be chosen to satisfy the requirements of 40 CFR part 60, subpart Kb for IFR storage vessels with a design capacity greater than or equal to 75 m3 but less than 151 m3 containing a VOL with a max true vapor pressure equal to or greater	§ 60.110b(e)(5)(iii) § 60.116b(a) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) § 63.1063(c)(1) [G]§ 63.1063(c)(1)(i) [G]§ 63.1063(d)(1)	§ 60.110b(e)(5)(iv)(B) § 60.110b(e)(5)(iv)(C) § 60.110b(e)(5)(iv)(D) § 60.110b(e)(5)(iv)(E) § 60.116b(a) § 60.116b(c) § 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(c)	§ 60.110b(e)(5)(iv)(A) § 60.110b(e)(5)(iv)(F)(1) § 60.110b(e)(5)(iv)(F)(2) [G]§ 63.1066(a) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(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)
					§ 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(B) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(e)(1) § 63.1063(e)(2)	than 27.6 kPa but less than 76.6 kPa.	§ 63.1063(d)(2)	§ 63.1065(d)	
GRPTK-1A	EU	63EEEE-1	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2396(a)(1)	After the compliance dates specified in §63.2342, you are in compliance with the provisions of this subpart for any storage tank that is assigned to the OLD affected source and that is both controlled with a floating roof and is in compliance with the provisions of either 40 CFR part 60, subpart Kb, or 40 CFR part 61, subpart Y, except that records shall be kept for 5 years rather than 2 years for storage tanks that are assigned to the OLD affected source.	None	§ 63.2396(a)(1)	None
GRPTK-2	EU	60Kb-1	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)	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)	§ 60.115b § 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)

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)
					§ 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)		§ 60.116b(e)(1) [G]§ 60.116b(e)(3)		
GRPTK-2	EU	60Kb-2	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)
GRPTK-2	EU	60Kb-3	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(e)(5) § 63.1062(a) § 63.1062(a)(1) § 63.1063(a)(1)(i) § 63.1063(a)(1)(i)(B) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(iv) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(B) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(e)(1) § 63.1063(e)(2)	Compliance with 40 CFR part 63, subpart WW, may be chosen to satisfy the requirements of 40 CFR part 60, subpart Kb for IFR storage vessels with a design capacity greater than or equal to 75 m3 but less than 151 m3 containing a VOL with a max true vapor pressure equal to or greater than 27.6 kPa but less than 76.6 kPa.	§ 60.110b(e)(5)(iii) § 60.116b(a) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 63.1063(c)(1) [G]§ 63.1063(c)(1)(i) [G]§ 63.1063(d)(1) § 63.1063(d)(2)	§ 60.110b(e)(5)(iv)(B) § 60.110b(e)(5)(iv)(C) § 60.110b(e)(5)(iv)(D) § 60.110b(e)(5)(iv)(E) § 60.116b(a) § 60.116b(c) § 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(c) § 63.1065(d)	§ 60.110b(e)(5)(iv)(A) § 60.110b(e)(5)(iv)(F)(1) § 60.110b(e)(5)(iv)(F)(2) [G]§ 63.1066(a) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4)
GRPTK-2	EU	60Kb-4	VOC	40 CFR Part 60,	§ 60.110b(e)(5)	Compliance with 40 CFR	§ 60.110b(e)(5)(iii)	§ 60.110b(e)(5)(iv)(B)	§ 60.110b(e)(5)(iv)(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 Kb	§ 63.1062(a) § 63.1062(a)(1) § 63.1063(a)(1)(i) § 63.1063(a)(1)(i)(B) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(iv) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(B) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(e)(1) § 63.1063(e)(2)	part 63, subpart WW, may be chosen to satisfy the requirements of 40 CFR part 60, subpart Kb for IFR storage vessels with a design capacity greater than or equal to 75 m3 but less than 151 m3 containing a VOL with a max true vapor pressure equal to or greater than 27.6 kPa but less than 76.6 kPa.	§ 60.116b(a) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) § 63.1063(c)(1) [G]§ 63.1063(c)(1)(i) [G]§ 63.1063(d)(1) § 63.1063(d)(2)	§ 60.110b(e)(5)(iv)(C) § 60.110b(e)(5)(iv)(D) § 60.110b(e)(5)(iv)(E) § 60.116b(a) § 60.116b(c) § 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(c) § 63.1065(d)	§ 60.110b(e)(5)(iv)(F)(1) § 60.110b(e)(5)(iv)(F)(2) [G]§ 63.1066(a) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4)
GRPTK-2	EU	63EEEE-1	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2396(a)(1)	After the compliance dates specified in §63.2342, you are in compliance with the provisions of this subpart for any storage tank that is assigned to the OLD affected source and that is both controlled with a floating roof and is in compliance with the provisions of either 40 CFR part 60, subpart Kb, or 40 CFR part 61, subpart Y, except that records shall be kept for 5 years rather than 2 years for storage tanks that are assigned to the	None	§ 63.2396(a)(1)	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)
						OLD affected source.			
GRPTK-2A	EU	60Kb-1	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) [G]§ 60.116b(e)(3)	§ 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)
GRPTK-2A	EU	60Kb-2	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)
GRPTK-2A	EU	60Kb-3	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(e)(5) § 63.1062(a) § 63.1062(a)(1) § 63.1063(a)(1)(i) § 63.1063(a)(1)(i)(B) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(iv) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(viii) §	Compliance with 40 CFR part 63, subpart WW, may be chosen to satisfy the requirements of 40 CFR part 60, subpart Kb for IFR storage vessels with a design capacity greater than or equal to 75 m3 but less than 151 m3 containing a VOL with a max true vapor pressure equal to or greater than 27.6 kPa but less than 76.6 kPa.	§ 60.110b(e)(5)(iii) § 60.116b(a) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 63.1063(c)(1) [G]§ 63.1063(c)(1)(i) [G]§ 63.1063(d)(1) § 63.1063(d)(2)	§ 60.110b(e)(5)(iv)(B) § 60.110b(e)(5)(iv)(C) § 60.110b(e)(5)(iv)(D) § 60.110b(e)(5)(iv)(E) § 60.116b(a) § 60.116b(c) § 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(c) § 63.1065(d)	§ 60.110b(e)(5)(iv)(A) § 60.110b(e)(5)(iv)(F)(1) § 60.110b(e)(5)(iv)(F)(2) [G]§ 63.1066(a) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(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)
					63.1063(a)(2)(viii)(B) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(e)(1) § 63.1063(e)(2)				
GRPTK-2A	EU	60Kb-4	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(e)(5) § 63.1062(a) § 63.1062(a)(1) § 63.1063(a)(1)(i) § 63.1063(a)(1)(i)(B) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(iv) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(B) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(e)(1) § 63.1063(e)(2)	Compliance with 40 CFR part 63, subpart WW, may be chosen to satisfy the requirements of 40 CFR part 60, subpart Kb for IFR storage vessels with a design capacity greater than or equal to 75 m3 but less than 151 m3 containing a VOL with a max true vapor pressure equal to or greater than 27.6 kPa but less than 76.6 kPa.	§ 60.110b(e)(5)(iii) § 60.116b(a) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) § 63.1063(c)(1) [G]§ 63.1063(c)(1)(i) [G]§ 63.1063(d)(1) § 63.1063(d)(2)	§ 60.110b(e)(5)(iv)(B) § 60.110b(e)(5)(iv)(C) § 60.110b(e)(5)(iv)(D) § 60.110b(e)(5)(iv)(E) § 60.116b(a) § 60.116b(c) § 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(c) § 63.1065(d)	§ 60.110b(e)(5)(iv)(A) § 60.110b(e)(5)(iv)(F)(1) § 60.110b(e)(5)(iv)(F)(2) [G]§ 63.1066(a) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4)
GRPTK-2A	EU	63EEEE-1	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2396(a)(1)	After the compliance dates specified in §63.2342, you are in compliance with the provisions of this subpart for any storage tank that is assigned to the OLD affected source and that is	None	§ 63.2396(a)(1)	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)
						both controlled with a floating roof and is in compliance with the provisions of either 40 CFR part 60, subpart Kb, or 40 CFR part 61, subpart Y, except that records shall be kept for 5 years rather than 2 years for storage tanks that are assigned to the OLD affected source.			
GRPVCU	EP	R1111-2	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
MARINELOAD1	EU	63Y-3	112(B) HAPS	40 CFR Part 63, Subpart Y	§ 63.562(b) [G]§ 63.562(b)(1) § 63.562(b)(3) [G]§ 63.562(b)(6) § 63.562(e) § 63.562(e)(1) [G]§ 63.562(e)(2) [G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6) § 63.562(e)(7) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(a)(2) § 63.563(a)(3)	Marine tank vessel loading operations shall apply MACT standards, except for the VMT source.	[G]§ 63.562(b)(6) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(b) § 63.563(b)(1) § 63.563(b)(10) § 63.563(b)(3) § 63.563(b)(4) § 63.563(b)(4)(ii) [G]§ 63.563(c) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4) § 63.564(c) § 63.564(e)(2) § 63.564(e)(4) [G]§ 63.565(b) [G]§ 63.565(d) § 63.565(f)	[G]§ 63.562(b)(6) § 63.562(e)(5) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.564(e)(2) [G]§ 63.565(d) § 63.567(f) [G]§ 63.567(g) § 63.567(j)(1) § 63.567(j)(2) [G]§ 63.567(k)	[G]§ 63.562(b)(6) § 63.562(e)(7)(ii) [G]§ 63.567(b)(2) § 63.567(b)(3) [G]§ 63.567(b)(4) § 63.567(b)(5) § 63.567(c) § 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(4) § 63.567(e)(5) § 63.567(e)(6) § 63.567(f) § 63.567(j)(3) § 63.567(m) § 63.567(n)(1) § 63.567(n)(2)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 63.565(f)(1) § 63.565(l)		
MARINELOAD1	EU	63Y-4	112(B) HAPS	40 CFR Part 63, Subpart Y	§ 63.562(b) [G]§ 63.562(b)(1) § 63.562(b)(3) [G]§ 63.562(b)(6) § 63.562(e) § 63.562(e)(1) [G]§ 63.562(e)(2) [G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6) § 63.562(e)(7) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(a)(2) § 63.563(a)(3)	Marine tank vessel loading operations shall apply MACT standards, except for the VMT source.	[G]§ 63.562(b)(6) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(b) § 63.563(b)(1) § 63.563(b)(10) § 63.563(b)(3) § 63.563(b)(4) § 63.563(b)(4)(ii) [G]§ 63.563(c) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4) § 63.564(c) § 63.564(e)(2) § 63.564(e)(4) [G]§ 63.565(b) [G]§ 63.565(d) § 63.565(f) § 63.565(f)(1) § 63.565(l)	[G]§ 63.562(b)(6) § 63.562(e)(5) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.564(e)(2) [G]§ 63.565(d) § 63.567(f) [G]§ 63.567(g) § 63.567(j)(1) § 63.567(j)(2) [G]§ 63.567(k)	[G]§ 63.562(b)(6) § 63.562(e)(7)(ii) [G]§ 63.567(b)(2) § 63.567(b)(3) [G]§ 63.567(b)(4) § 63.567(b)(5)(ii) § 63.567(c) § 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(4) § 63.567(e)(5) § 63.567(e)(6) § 63.567(f) § 63.567(j)(3) § 63.567(m) § 63.567(n)(1) § 63.567(n)(2)
MARINELOAD1	EU	63Y-5	112(B) HAPS	40 CFR Part 63, Subpart Y	§ 63.562(b) [G]§ 63.562(b)(1) § 63.562(b)(3) [G]§ 63.562(b)(6) § 63.562(e) § 63.562(e)(1) [G]§ 63.562(e)(2) [G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6) § 63.562(e)(7) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(a)(2)	Marine tank vessel loading operations shall apply MACT standards, except for the VMT source.	[G]§ 63.562(b)(6) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(b) § 63.563(b)(1) § 63.563(b)(10) § 63.563(b)(3) § 63.563(b)(4) § 63.563(b)(4)(ii) [G]§ 63.563(c) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4) § 63.564(c) § 63.564(e)(2)	[G]§ 63.562(b)(6) § 63.562(e)(5) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.564(e)(2) [G]§ 63.565(d) § 63.567(f) [G]§ 63.567(g) § 63.567(j)(1) § 63.567(j)(2) [G]§ 63.567(k)	[G]§ 63.562(b)(6) § 63.562(e)(7)(ii) [G]§ 63.567(b)(2) § 63.567(b)(3) [G]§ 63.567(b)(4) § 63.567(b)(5) § 63.567(c) § 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(4) § 63.567(e)(5) § 63.567(e)(6) § 63.567(f) § 63.567(j)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.563(a)(3)		§ 63.564(e)(4) [G]§ 63.565(b) [G]§ 63.565(d) § 63.565(f) § 63.565(f)(1) § 63.565(l)		§ 63.567(m) § 63.567(n)(1) § 63.567(n)(2)
MARINELOAD1	EU	63Y-5	VOC	40 CFR Part 63, Subpart Y	§ 63.562(c) [G]§ 63.562(c)(2) § 63.562(c)(3) § 63.562(c)(4) [G]§ 63.562(c)(6) § 63.562(e) § 63.562(e)(1) [G]§ 63.562(e)(2) [G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6) § 63.562(e)(7) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(a)(2) § 63.563(a)(3)	Marine tank vessel loading operations shall apply RACT standards, except for the VMT source.	[G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(b) § 63.563(b)(1) § 63.563(b)(3) § 63.563(b)(4) § 63.563(b)(4)(ii) [G]§ 63.563(c) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4) § 63.564(c) § 63.564(e)(2) § 63.564(e)(4) [G]§ 63.565(b) [G]§ 63.565(d) § 63.565(f) § 63.565(f)(1) § 63.565(l)	§ 63.562(e)(5) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.564(e)(2) [G]§ 63.565(d) § 63.567(f) [G]§ 63.567(g) [G]§ 63.567(k)	§ 63.562(c)(1) § 63.562(e)(7)(ii) [G]§ 63.567(b)(2) § 63.567(b)(3) [G]§ 63.567(b)(4) § 63.567(c) § 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(4) § 63.567(e)(5) § 63.567(e)(6) § 63.567(f) § 63.567(m) § 63.567(n)(1) § 63.567(n)(2)
MARINELOAD1	EU	63Y-6	112(B) HAPS	40 CFR Part 63, Subpart Y	§ 63.562(b) [G]§ 63.562(b)(1) § 63.562(b)(3) [G]§ 63.562(b)(6) § 63.562(e) § 63.562(e)(1) [G]§ 63.562(e)(2) [G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6) § 63.562(e)(7) [G]§ 63.562(e)(7)(i)	Marine tank vessel loading operations shall apply MACT standards, except for the VMT source.	[G]§ 63.562(b)(6) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(b) § 63.563(b)(1) § 63.563(b)(10) § 63.563(b)(3) § 63.563(b)(4) § 63.563(b)(4)(ii) [G]§ 63.563(c) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4)	[G]§ 63.562(b)(6) § 63.562(e)(5) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.564(e)(2) [G]§ 63.565(d) § 63.567(f) [G]§ 63.567(g) § 63.567(j)(1) § 63.567(j)(2) [G]§ 63.567(k)	[G]§ 63.562(b)(6) § 63.562(e)(7)(ii) [G]§ 63.567(b)(2) § 63.567(b)(3) [G]§ 63.567(b)(4) § 63.567(b)(5)(ii) § 63.567(c) § 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(4) § 63.567(e)(5) § 63.567(e)(6)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.562(e)(7)(ii) § 63.563(a)(2) § 63.563(a)(3)		§ 63.564(c) § 63.564(e)(2) § 63.564(e)(4) [G]§ 63.565(b) [G]§ 63.565(d) § 63.565(f) § 63.565(f)(1) § 63.565(l)		§ 63.567(f) § 63.567(j)(3) § 63.567(m) § 63.567(n)(1) § 63.567(n)(2)
MARINELOAD1	EU	63Y-6	VOC	40 CFR Part 63, Subpart Y	§ 63.562(c) [G]§ 63.562(c)(2) § 63.562(c)(3) § 63.562(c)(4) [G]§ 63.562(c)(6) § 63.562(e) § 63.562(e)(1) [G]§ 63.562(e)(2) [G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6) § 63.562(e)(7) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(a)(2) § 63.563(a)(3)	Marine tank vessel loading operations shall apply RACT standards, except for the VMT source.	[G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(b) § 63.563(b)(1) § 63.563(b)(3) § 63.563(b)(4) § 63.563(b)(4)(ii) [G]§ 63.563(c) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4) § 63.564(c) § 63.564(e)(2) § 63.564(e)(4) [G]§ 63.565(b) [G]§ 63.565(d) § 63.565(f) § 63.565(f)(1) § 63.565(l)	§ 63.562(e)(5) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.564(e)(2) [G]§ 63.565(d) § 63.567(f) [G]§ 63.567(g) [G]§ 63.567(k)	§ 63.562(c)(1) § 63.562(e)(7)(ii) [G]§ 63.567(b)(2) § 63.567(b)(3) [G]§ 63.567(b)(4) § 63.567(c) § 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(4) § 63.567(e)(5) § 63.567(e)(6) § 63.567(f) § 63.567(m) § 63.567(n)(1) § 63.567(n)(2)
MARINELOAD3	EU	63Y-3	112(B) HAPS	40 CFR Part 63, Subpart Y	§ 63.562(b) [G]§ 63.562(b)(1) § 63.562(b)(3) [G]§ 63.562(b)(6) § 63.562(e) § 63.562(e)(1) [G]§ 63.562(e)(2) [G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6)	Marine tank vessel loading operations shall apply MACT standards, except for the VMT source.	[G]§ 63.562(b)(6) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(b) § 63.563(b)(1) § 63.563(b)(10) § 63.563(b)(3) § 63.563(b)(4) § 63.563(b)(4)(ii) [G]§ 63.563(c) § 63.564(a)(2)	[G]§ 63.562(b)(6) § 63.562(e)(5) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.564(e)(2) [G]§ 63.565(d) § 63.567(f) [G]§ 63.567(g) § 63.567(j)(1) § 63.567(j)(2) [G]§ 63.567(k)	[G]§ 63.562(b)(6) § 63.562(e)(7)(ii) [G]§ 63.567(b)(2) § 63.567(b)(3) [G]§ 63.567(b)(4) § 63.567(b)(5) § 63.567(c) § 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(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)
					§ 63.562(e)(7) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(a)(2) § 63.563(a)(3)		§ 63.564(a)(3) § 63.564(a)(4) § 63.564(c) § 63.564(e)(2) § 63.564(e)(4) [G]§ 63.565(b) [G]§ 63.565(d) § 63.565(f) § 63.565(f)(1) § 63.565(l)		§ 63.567(e)(5) § 63.567(e)(6) § 63.567(f) § 63.567(j)(3) § 63.567(m) § 63.567(n)(1) § 63.567(n)(2)
MARINELOAD3	EU	63Y-4	112(B) HAPS	40 CFR Part 63, Subpart Y	§ 63.562(b) [G]§ 63.562(b)(1) § 63.562(b)(3) [G]§ 63.562(b)(6) § 63.562(e) § 63.562(e)(1) [G]§ 63.562(e)(2) [G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6) § 63.562(e)(7) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(a)(2) § 63.563(a)(3)	Marine tank vessel loading operations shall apply MACT standards, except for the VMT source.	[G]§ 63.562(b)(6) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(b) § 63.563(b)(1) § 63.563(b)(10) § 63.563(b)(3) § 63.563(b)(4) § 63.563(b)(4)(ii) [G]§ 63.563(c) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4) § 63.564(c) § 63.564(e)(2) § 63.564(e)(4) [G]§ 63.565(b) [G]§ 63.565(d) § 63.565(f) § 63.565(f)(1) § 63.565(l)	[G]§ 63.562(b)(6) § 63.562(e)(5) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.564(e)(2) [G]§ 63.565(d) § 63.567(f) [G]§ 63.567(g) § 63.567(j)(1) § 63.567(j)(2) [G]§ 63.567(k)	[G]§ 63.562(b)(6) § 63.562(e)(7)(ii) [G]§ 63.567(b)(2) § 63.567(b)(3) [G]§ 63.567(b)(4) § 63.567(b)(5)(ii) § 63.567(c) § 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(4) § 63.567(e)(5) § 63.567(e)(6) § 63.567(f) § 63.567(j)(3) § 63.567(m) § 63.567(n)(1) § 63.567(n)(2)
MARINELOAD3	EU	63Y-5	112(B) HAPS	40 CFR Part 63, Subpart Y	§ 63.562(b) [G]§ 63.562(b)(1) § 63.562(b)(3) [G]§ 63.562(b)(6) § 63.562(e) § 63.562(e)(1) [G]§ 63.562(e)(2)	Marine tank vessel loading operations shall apply MACT standards, except for the VMT source.	[G]§ 63.562(b)(6) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(b) § 63.563(b)(1) § 63.563(b)(10) § 63.563(b)(3)	[G]§ 63.562(b)(6) § 63.562(e)(5) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.564(e)(2) [G]§ 63.565(d) § 63.567(f)	[G]§ 63.562(b)(6) § 63.562(e)(7)(ii) [G]§ 63.567(b)(2) § 63.567(b)(3) [G]§ 63.567(b)(4) § 63.567(b)(5) § 63.567(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6) § 63.562(e)(7) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(a)(2) § 63.563(a)(3)		§ 63.563(b)(4) § 63.563(b)(4)(ii) [G]§ 63.563(c) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4) § 63.564(c) § 63.564(e)(2) § 63.564(e)(4) [G]§ 63.565(b) [G]§ 63.565(d) § 63.565(f) § 63.565(f)(1) § 63.565(l)	[G]§ 63.567(g) § 63.567(j)(1) § 63.567(j)(2) [G]§ 63.567(k)	§ 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(4) § 63.567(e)(5) § 63.567(e)(6) § 63.567(f) § 63.567(j)(3) § 63.567(m) § 63.567(n)(1) § 63.567(n)(2)
MARINELOAD3	EU	63Y-5	VOC	40 CFR Part 63, Subpart Y	§ 63.562(c) [G]§ 63.562(c)(2) § 63.562(c)(3) § 63.562(c)(4) [G]§ 63.562(c)(6) § 63.562(e) § 63.562(e)(1) [G]§ 63.562(e)(2) [G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6) § 63.562(e)(7) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(a)(2) § 63.563(a)(3)	Marine tank vessel loading operations shall apply RACT standards, except for the VMT source.	[G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(b) § 63.563(b)(1) § 63.563(b)(3) § 63.563(b)(4) § 63.563(b)(4)(ii) [G]§ 63.563(c) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4) § 63.564(c) § 63.564(e)(2) § 63.564(e)(4) [G]§ 63.565(b) [G]§ 63.565(d) § 63.565(f) § 63.565(f)(1) § 63.565(l)	§ 63.562(e)(5) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.564(e)(2) [G]§ 63.565(d) § 63.567(f) [G]§ 63.567(g) [G]§ 63.567(k)	§ 63.562(c)(1) § 63.562(e)(7)(ii) [G]§ 63.567(b)(2) § 63.567(b)(3) [G]§ 63.567(b)(4) § 63.567(c) § 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(4) § 63.567(e)(5) § 63.567(e)(6) § 63.567(f) § 63.567(m) § 63.567(n)(1) § 63.567(n)(2)
MARINELOAD3	EU	63Y-6	112(B) HAPS	40 CFR Part 63, Subpart Y	§ 63.562(b) [G]§ 63.562(b)(1) § 63.562(b)(3) [G]§ 63.562(b)(6) § 63.562(e)	Marine tank vessel loading operations shall apply MACT standards, except for the VMT source.	[G]§ 63.562(b)(6) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(b) § 63.563(b)(1)	[G]§ 63.562(b)(6) § 63.562(e)(5) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.564(e)(2)	[G]§ 63.562(b)(6) § 63.562(e)(7)(ii) [G]§ 63.567(b)(2) § 63.567(b)(3) [G]§ 63.567(b)(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)
					§ 63.562(e)(1) [G]§ 63.562(e)(2) [G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6) § 63.562(e)(7) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(a)(2) § 63.563(a)(3)		§ 63.563(b)(10) § 63.563(b)(3) § 63.563(b)(4) § 63.563(b)(4)(ii) [G]§ 63.563(c) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4) § 63.564(c) § 63.564(e)(2) § 63.564(e)(4) [G]§ 63.565(b) [G]§ 63.565(d) § 63.565(f) § 63.565(f)(1) § 63.565(l)	[G]§ 63.565(d) § 63.567(f) [G]§ 63.567(g) § 63.567(j)(1) § 63.567(j)(2) [G]§ 63.567(k)	§ 63.567(b)(5)(ii) § 63.567(c) § 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(4) § 63.567(e)(5) § 63.567(e)(6) § 63.567(f) § 63.567(j)(3) § 63.567(m) § 63.567(n)(1) § 63.567(n)(2)
MARINELOAD3	EU	63Y-6	VOC	40 CFR Part 63, Subpart Y	§ 63.562(c) [G]§ 63.562(c)(2) § 63.562(c)(3) § 63.562(c)(4) [G]§ 63.562(c)(6) § 63.562(e) § 63.562(e)(1) [G]§ 63.562(e)(2) [G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6) § 63.562(e)(7) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(a)(2) § 63.563(a)(3)	Marine tank vessel loading operations shall apply RACT standards, except for the VMT source.	[G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(b) § 63.563(b)(1) § 63.563(b)(3) § 63.563(b)(4) § 63.563(b)(4)(ii) [G]§ 63.563(c) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4) § 63.564(c) § 63.564(e)(2) § 63.564(e)(4) [G]§ 63.565(b) [G]§ 63.565(d) § 63.565(f) § 63.565(f)(1) § 63.565(l)	§ 63.562(e)(5) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.564(e)(2) [G]§ 63.565(d) § 63.567(f) [G]§ 63.567(g) [G]§ 63.567(k)	§ 63.562(c)(1) § 63.562(e)(7)(ii) [G]§ 63.567(b)(2) § 63.567(b)(3) [G]§ 63.567(b)(4) § 63.567(c) § 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(4) § 63.567(e)(5) § 63.567(e)(6) § 63.567(f) § 63.567(m) § 63.567(n)(1) § 63.567(n)(2)
TL-1	EU	R5211-2	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D)	All land-based loading and unloading of VOC with a true vapor pressure less	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i)	§ 115.216 § 115.216(2) § 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)
					§ 115.214(b)(1)(D)(i)	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.	§ 115.215 § 115.215(4)		
TRUCKLOAD	EU	R5211-1	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
TRUCKLOAD	EU	R5211-2	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
TRUCKLOAD	EU	63EEEE-2	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2343(c)	For each transfer rack subject to this subpart that loads organic liquids but is not subject to control based on the criteria specified in Table 2 to this subpart, items 7 through 10, you must comply with the requirements specified in § 63.2343(c)(1)-(3).	§ 63.2343(c)(3)	[G]§ 63.2343(c)(1) § 63.2343(c)(2)(i) § 63.2343(c)(2)(ii) § 63.2343(c)(3) § 63.2390(a) § 63.2390(d) [G]§ 63.2394	[G]§ 63.2343(c)(1) § 63.2343(c)(2)(i) § 63.2343(c)(2)(ii) § 63.2382(b)(2) § 63.2382(d)(2) § 63.2382(d)(2)(i) § 63.2382(d)(2)(v) § 63.2382(d)(3) § 63.2386(a) § 63.2386(b)-Table 11.1.a [G]§ 63.2386(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)
									§ 63.2386(c) § 63.2386(c)(1) § 63.2386(c)(10)(i) § 63.2386(c)(10)(ii) § 63.2386(c)(2) § 63.2386(c)(3) § 63.2386(c)(4) § 63.2386(d) § 63.2386(d)(4)(ii) § 63.2386(f) [G]§ 63.2386(i) [G]§ 63.2386(j)
VCU-4	EP	R1111-2	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPMVCU	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-2
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Opacity shall not exceed 15% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. 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. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement. If there is no corresponding opacity limit in the underlying applicable requirement, the maximum opacity will be established using the most recent performance test. If the result of the Test Method 9 is opacity above the corresponding opacity limit (associated with the particulate matter standard in the underlying applicable requirement or as identified as a result of a previous performance test to establish the maximum opacity limit), the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPMVCU	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-2
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually	
Averaging Period: N/A	
Deviation Limit: If alternate fuel is fired (other than displaced marine loading vapors and pipeline natural gas), either alone or in combination with the specified gas, it shall be considered and reported as a deviation.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, it shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPVCU	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-2
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: N/A	
Deviation Limit: Opacity shall not exceed 15% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. 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. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: VCU-4	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-2
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per week	
Averaging Period: N/A	
Deviation Limit: Opacity shall not exceed 15% averaged over a six-minute period.	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. 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. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report 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
DT-1	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity less than 1000 gallons
DT-1	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 m3
DT-1	N/A	40 CFR Part 60, Subpart OOOO	Does not meet the definition of storage tank: does not contain crude oil, condensate, intermediate hydrocarbon liquids, or produced water.
DT-2	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity less than 1000 gallons
DT-2	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 m3
DT-2	N/A	40 CFR Part 60, Subpart OOOO	Does not meet the definition of storage tank: does not contain crude oil, condensate, intermediate hydrocarbon liquids, or produced water.
DT-3	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity less than 1000 gallons
DT-3	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 m3
DT-3	N/A	40 CFR Part 60, Subpart OOOO	Does not meet the definition of storage tank: does not contain crude oil, condensate, intermediate hydrocarbon liquids, or produced water.
DT-4	N/A	30 TAC Chapter 115, Storage of VOCs	Storing VOC with a vapor pressure less than 1.5 psia.
DT-4	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 m3
DT-4	N/A	40 CFR Part 60, Subpart OOOO	Does not meet the definition of storage tank: does not contain crude oil, condensate, intermediate hydrocarbon liquids, or produced water.

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
ENGG-1	N/A	40 CFR Part 60, Subpart JJJJ	Natural gas fired emergency engine greater than 25 HP manufactured and constructed prior to January 1, 2009 and was not modified or reconstructed after June 12, 2006.
FUG	N/A	40 CFR Part 60, Subpart OOOO	Equipment not located at an onshore natural gas processing plant.
GRPTK-1	T-101, T-102, T-103, T-104, T-105, T-106, T-107, T-108, T-109, T-110, T-111, T-112, T-113, T-114, T-115, T-116, T-117, T-118, T-119, T-120	40 CFR Part 60, Subpart OOOO	Not an affected facility: not located in the oil and natural gas production segment, the natural gas processing segment or natural gas transmission and storage segment.
GRPTK-1A	T-121, T-122, T-123, T-124, T-125, T-126, T-127, T-128, T-129, T-130, T-131, T-132, T-133, T-134, T-135, T-136, T-137, T-138, T-139, T-140, T-141, T-142, T-143, T-144	40 CFR Part 60, Subpart OOOO	Not an affected facility: not located in the oil and natural gas production segment, the natural gas processing segment or natural gas transmission and storage segment.
GRPTK-2	T-201, T-202	30 TAC Chapter 115, Storage of VOCs	Storage tanks storing crude oil or condensate with storage capacity less than or equal to 420,000 gallons.
GRPTK-2	T-201, T-202	40 CFR Part 60, Subpart OOOO	Not an affected facility: not located in the oil and natural gas production segment, the natural gas processing segment or natural gas transmission and storage segment.
GRPTK-2A	RT-1, RT-2	30 TAC Chapter 115, Storage of VOCs	Storage tanks storing crude oil or condensate with storage capacity less than or equal to 420,000 gallons.
GRPTK-2A	RT-1, RT-2	40 CFR Part 60, Subpart OOOO	Not an affected facility: not located in the oil and natural gas production segment, the natural gas processing segment or natural gas transmission

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
			and storage segment.
GRPTK-3	BT-910, BT-911, BT-912	40 CFR Part 63, Subpart EEEE	The product stored does not meet the definition of organic liquids as defined in 63.2406(3).
MAINT DT	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity less than 1000 gallons
MAINT DT	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 m3
MAINT DT	N/A	40 CFR Part 60, Subpart OOOO	Does not meet the definition of storage tank: does not contain crude oil, condensate, intermediate hydrocarbon liquids, or produced water.
MAINT GT	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity less than 1000 gallons
MAINT GT	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 m3
MAINT GT	N/A	40 CFR Part 60, Subpart OOOO	Does not meet the definition of storage tank: does not contain crude oil, condensate, intermediate hydrocarbon liquids, or produced water.
MAINT GT-2	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity less than 1000 gallons
MAINT GT-2	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 m3
MAINT GT-2	N/A	40 CFR Part 60, Subpart OOOO	Does not meet the definition of storage tank: does not contain crude oil, condensate, intermediate hydrocarbon liquids, or produced water.
MARINELOAD1	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Loading and unloading of marine vessels in San Patricio County is exempt from Subchapter C, Division 1.
WW-1	N/A	40 CFR Part 60, Subpart OOOO	Pressure vessels designed to operate in excess

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
			of 204.9 kilopascals and without emissions to the atmosphere are excluded from the definition of storage vessel.
WW-1	N/A	40 CFR Part 63, Subpart EEEE	Pressure vessels designed to operate in excess of 204.9 kilopascals and without emissions to the atmosphere are excluded from the definition of storage vessel.

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.: PSDTX1430M1	Issuance Date: 11/30/2020
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.: 122362	Issuance Date: 11/30/2020
Authorization No.: 162551	Issuance Date: 10/14/2020
Authorization No.: 176404	Issuance Date: 08/06/2024
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
1	SMALL PARTS COATING	106.433/09/04/2000 [161880]
BT-910	BUNKER OIL TANK BT-910	106.472/09/04/2000 [159913]
BT-911	BUNKER OIL TANK BT-911	106.472/09/04/2000 [159913]
BT-912	BUNKER OIL TANK BT-912	106.472/09/04/2000 [159913]
DOCK-7	LOADING DOCK 7	106.261/11/01/2003 [159913]
DT-1	DIESEL STORAGE TANK	106.472/09/04/2000
DT-2	DIESEL STORAGE TANK	106.472/09/04/2000
DT-3	DIESEL STORAGE TANK	106.472/09/04/2000
DT-4	DIESEL STORAGE TANK	106.472/09/04/2000
EDG-1	EMERGENCY GENERATOR DIESEL ENGINE	106.511/09/04/2000
ENGG-1	EMERGENCY GENERATOR NATURAL GAS ENGINE	106.511/09/04/2000
ENGG-2	EMERGENCY GENERATOR NATURAL GAS ENGINE	106.511/09/04/2000
ENGG-3	EMERGENCY GENERATOR NATURAL GAS ENGINE	106.511/09/04/2000
ENGG-4	EMERGENCY GENERATOR NATURAL GAS ENGINE	106.511/09/04/2000
FUG	PROCESS FUGITIVES CRUDE TERMINAL	122362, PSDTX1430M1, 106.261/11/01/2003 [159913], 106.472/09/04/2000 [159913]
FUG-1	DOCK PIPING FUGITIVES	176404
FWP-1	FIREWATER PUMP ENGINE	106.511/09/04/2000
FWP-2	FIREWATER PUMP ENGINE	106.511/09/04/2000
FWP-3	FIREWATER PUMP ENGINE	106.511/09/04/2000
FWP-D	FIREWATER PUMP ENGINE D	106.511/09/04/2000

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
FWP-E	FIREWATER PUMP ENGINE E	106.511/09/04/2000
FWP-F	FIREWATER PUMP ENGINE F	106.511/09/04/2000
MAINT DT	DIESEL STORAGE TANK	106.472/09/04/2000
MAINT GT	GASOLINE STORAGE TANK	106.473/09/04/2000
MAINT GT-2	GASOLINE STORAGE TANK	106.473/09/04/2000
MARINELOAD1	CRUDE/CONDENSATE MARINE LOADING	122362, PSDTX1430M1
MARINELOAD3	SHIP AND BARGE LOADING DOCK	176404
MSS-MISC	MISCELLANEOUS MSS ACTIVITIES	106.263/11/01/2001
MVCU1	MARINE VAPOR CONTROL UNIT 1	176404
MVCU2	MARINE VAPOR CONTROL UNIT 2	176404
MVCU3	MARINE VAPOR CONTROL UNIT 3	176404
RT-1	EMERGENCY RELIEF TANK 1	122362, PSDTX1430M1
RT-2	EMERGENCY RELIEF TANK 2	122362, PSDTX1430M1
T-101	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
T-102	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
T-103	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
T-104	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
T-105	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
T-106	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
T-107	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
T-108	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1

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**
T-109	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
T-110	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
T-111	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
T-112	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
T-113	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
T-114	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
T-115	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
T-116	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
T-117	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
T-118	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
T-119	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
T-120	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
T-121	TANK T-121	122362, PSDTX1430M1
T-122	TANK T-122	122362, PSDTX1430M1
T-123	TANK T-123	122362, PSDTX1430M1
T-124	TANK T-124	122362, PSDTX1430M1
T-125	TANK T-125	122362, PSDTX1430M1
T-126	TANK T-126	122362, PSDTX1430M1
T-127	TANK T-127	122362, PSDTX1430M1
T-128	TANK T-128	122362, PSDTX1430M1
T-129	TANK T-129	122362, PSDTX1430M1

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**
T-130	TANK T-130	122362, PSDTX1430M1
T-131	TANK T-131	122362, PSDTX1430M1
T-132	TANK T-132	122362, PSDTX1430M1
T-133	TANK T-133	122362, PSDTX1430M1
T-134	TANK T-134	122362, PSDTX1430M1
T-135	TANK T-135	122362, PSDTX1430M1
T-136	TANK T-136	122362, PSDTX1430M1
T-137	TANK T-137	122362, PSDTX1430M1
T-138	TANK T-138	122362, PSDTX1430M1
T-139	TANK T-139	122362, PSDTX1430M1
T-140	TANK T-140	122362, PSDTX1430M1
T-141	TANK T-141	122362, PSDTX1430M1
T-142	TANK T-142	122362, PSDTX1430M1
T-143	TANK T-143	122362, PSDTX1430M1
T-144	TANK T-144	122362, PSDTX1430M1
T-201	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
T-202	CRUDE/CRUDE CONDENSATE STORAGE TANK	122362, PSDTX1430M1
TL-1	WASTEWATER TRUCK LOADING	106.472/09/04/2000
TRUCKLOAD	TRUCK LOADING	122362, PSDTX1430M1
VCU-1	VAPOR COMBUSTOR	122362, PSDTX1430M1
VCU-2	VAPOR COMBUSTOR	122362, PSDTX1430M1

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**
VCU-3	VAPOR COMBUSTOR	122362, PSDTX1430M1
VCU-4	VAPOR COMBUSTOR	122362, PSDTX1430M1
VCU-5	VAPOR COMBUSTOR	122362, PSDTX1430M1
VCU-6	VAPOR COMBUSTOR	122362, PSDTX1430M1
VCU-7	VAPOR COMBUSTOR	122362, PSDTX1430M1
VCU-8	VAPOR COMBUSTOR	162551
WW-1	WASTEWATER PRESSURE TANK	106.472/09/04/2000

**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.

Schedules

Compliance Schedule

A. Compliance Schedule				
1. Specific Non-Compliance Situation				
Unit/Group/ Process ID. No(s).	**SOP Index No.**	**Pollutant**	**Applicable Requirement**	
			Citation	**Text Description**
FUG		VOC	122362 and PSDTX1430 M1, SC 25.E.	Screwed connections are permissible only on piping smaller than two-inch diameter.

2. Compliance Status Assessment Method and Records Location		
Compliance Status Assessment Method		**Location of Records/Documentation**
Citation	**Text Description**	
122362 and PSDTX1430M1, SC 25.E.	Screwed connections are permissible only on piping smaller than two-inch diameter.	LDAR database

3. Non-compliance Situation Description
Although Enbridge voluntarily monitors both its screwed and flanged connectors regardless of piping size (exceeding BACT requirements), there are some screwed connectors at EIEC that are 2 inches in diameter.

4. Corrective Action Plan Description
Strengthen the fugitive monitoring program special condition language to require instrument monitoring of these two-inch screwed connectors, coincident with the current pending air permit amendment application, TCEQ Project No. 324420.

5. List of Activities/Milestones to Implement the Corrective Action Plan	
1	Submitted NSR permit amendment application on 01/22/2021
2	Enbridge has promptly responded to all requests from TCEQ for additional information
3	In connection with TCEQ's preparation of the draft permit, Enbridge will work with the agency so that the draft permit includes the requirement to monitor the two-inch screwed connectors.

6. Previously Submitted Compliance Plan(s)	Type of Action	Date Submitted
	N/A	N/A

7. Progress Report Submission Schedule	This corrective action is being tracked via the voluntary audit corrective actions pursuant to TCEQ investigation no. 1775675, item 5. Enbridge submits quarterly updates to TCEQ for this audit.

Compliance Schedule

A. Compliance Schedule				
1. Specific Non-Compliance Situation				
Unit/Group/ Process ID. No(s).	**SOP Index No.**	**Pollutant**	**Applicable Requirement**	
			Citation	**Text Description**
GRPVCU		NOx and CO	122362 and PSDTX1430 M1	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.

2. Compliance Status Assessment Method and Records Location		
Compliance Status Assessment Method		**Location of Records/Documentation**
Citation	**Text Description**	
122362 and PSDTX1430M1, SC 1	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.	Rolling 12-month emissions calculation records.

3. Non-compliance Situation Description
Initial stack tests for the VCUs computed and reported inlet VOC mass rates incorrectly, resulting in corresponding NOx and CO emissions factors (lb/MMBtu) being calculated incorrectly. These incorrect NOx and CO emission factors were used in the NSR 122362 amendment application, which was approved on 12/16/2019. The NOx and CO emission factors were underestimated, resulting in maximum allowable emission rates for NOx and CO being lower than actual emissions.

4. Corrective Action Plan Description
Update emission factors and corresponding MAERT limits via NSR amendment.

5. List of Activities/Milestones to Implement the Corrective Action Plan	
1	Submitted NSR permit amendment application on 01/22/2021
2	Enbridge has promptly responded to all requests from TCEQ for additional information
4	No TCEQ request for information is outstanding

6. Previously Submitted Compliance Plan(s)	**Type of Action**	**Date Submitted**
	N/A	N/A

7. Progress Report Submission Schedule	This corrective action is being tracked via the voluntary audit corrective actions pursuant to TCEQ investigation no. 1645326, item 8. Enbridge submits quarterly updates to TCEQ for this audit.

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: 122362 and PSDTX1430M1					Issuance Date: November 30, 2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
T-101	Tank T-101	VOC	9.94	5.52	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-102	Tank T-102	VOC	9.94	5.52	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-103	Tank T-103	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-104	Tank T-104	VOC	9.94	5.52	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-105	Tank T-105	VOC	9.94	5.52	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-106	Tank T-106	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-107	Tank T-107	VOC	9.94	5.52	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-108	Tank T-108	VOC	9.94	5.52	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-109	Tank T-109	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-110	Tank T-110	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-111	Tank T-111	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-112	Tank T-112	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-113	Tank T-113	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4

Major NSR Summary Table

Permit Number: 122362 and PSDTX1430M1					Issuance Date: November 30, 2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-114	Tank T-114	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-115	Tank T-115	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-116	Tank T-116	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-117	Tank T-117	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-118	Tank T-118	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-119	Tank T-119	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-120	Tank T-120	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-121	Tank T-121	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T- 122	Tank T- 122	VOC	9.91	6.02	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T- 123	Tank T- 123	VOC	9.91	6.02	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	

Major NSR Summary Table

Permit Number: 122362 and PSDTX1430M1					Issuance Date: November 30, 2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
T- 124	Tank T- 124	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T- 125	Tank T- 125	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T- 126	Tank T- 126	VOC	8.86	4.00	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T- 127	Tank T- 127	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T- 128	Tank T- 128	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-129	Tank T-129	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-130	Tank T-130	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-131	Tank T-131	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-132	Tank T-132	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-133	Tank T-133	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-134	Tank T-134	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-135	Tank T-135	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	

Major NSR Summary Table

Permit Number: 122362 and PSDTX1430M1					Issuance Date: November 30, 2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
T-136	Tank T-136	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-137	Tank T-137	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-138	Tank T-138	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-139	Tank T-139	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T- 140	Tank T- 140	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T- 141	Tank T- 141	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T- 142	Tank T- 142	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T- 143	Tank T- 143	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T- 144	Tank T- 144	VOC	9.11	6.54	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
T-201	Tank T-201	VOC	2.03	0.52	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	<0.01	<0.01	8, 11	8, 12, 23	
T-202	Tank T-202	VOC	2.03	0.52	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	<0.01	<0.01	8, 11	8, 12, 23	
EMERTK1	Emergency Relief Tank 1	VOC	11.36	0.36	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	

Major NSR Summary Table

Permit Number: 122362 and PSDTX1430M1					Issuance Date: November 30, 2020		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/hour	**TPY (4)**	**Special Condition/ Application Information**	**Special Condition/ Application Information**	**Special Condition/ Application Information**
EMERTK2	Emergency Relief Tank 2	VOC	11.36	0.36	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	0.01	<0.01	8, 11	8, 12, 23	
TANKCAP	Tank Cap	VOC	-	193.22	3, 4, 8, 23	3, 4, 8, 12, 23	3, 4
		H_2S	-	0.16	8, 11	8, 12, 23	
DOCK-2	Uncollected Loading Dock No. 2	VOC	11.87	-	4, 15, 17, 18, 19	4, 15, 17, 18, 19, 23	4, 18
		H_2S	0.01	-	15, 17, 19	15, 17, 19	
DOCK-4	Uncollected Loading Dock No. 4	VOC	11.87	-	4, 15, 17, 18, 19	4, 15, 17, 18, 19, 23	4, 18
		H_2S	0.01	-	15, 17, 19	15, 17, 19	
DOCK-5	Uncollected Loading Dock No. 5	VOC	11.87	-	4, 15, 17, 18, 19	4, 15, 17, 18, 19, 23	4, 18
		H_2S	0.01	-	15, 17, 19	15, 17, 19	
DOCK CAP	Uncollected Dock Emissions Cap	VOC	-	35.54	4, 15, 17, 18, 19	4, 15, 17, 18, 19, 23	4, 18
		H_2S	-	0.04	15, 17, 19	15, 17, 19	
VCU-1	Collected and Controlled Marine Loading	VOC	10.78	-	4, 6, 26, 27, 28	4, 6, 26, 27, 28	4, 6, 27, 28
		NO_x	0.92	-	6, 26, 27, 28	6, 26, 27, 28	6, 27, 28
		CO	0.39	-			
		PM	0.57	-			
		PM_{10}	0.57	-			
		$PM_{2.5}$	0.57	-			
		SO_2	7.93	-			
		H_2S	<0.01	-			

Major NSR Summary Table

Permit Number: 122362 and PSDTX1430M1					Issuance Date: November 30, 2020		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/hour	**TPY (4)**	**Special Condition/ Application Information**	**Special Condition/ Application Information**	**Special Condition/ Application Information**
VCU-2	Collected and Controlled Marine Loading	VOC	10.78	-	4, 6, 26, 27, 28	4, 6, 26, 27, 28	4, 6, 27, 28
		NO_x	0.92	-	6, 26, 27, 28	6, 26, 27, 28	6, 27, 28
		CO	0.39	-			
		PM	0.57	-			
		PM_{10}	0.57	-			
		$PM_{2.5}$	0.57	-			
		SO_2	7.93	-			
		H_2S	<0.01	-			
VCU-3	Collected and Controlled Marine Loading	VOC	10.78	-	4, 6, 26, 27, 28	4, 6, 26, 27, 28	4, 6, 27, 28
		NO_x	0.92	-	6, 26, 27, 28	6, 26, 27, 28	6, 27, 28
		CO	0.39	-			
		PM	0.57	-			
		PM_{10}	0.57	-			
		$PM_{2.5}$	0.57	-			
		SO_2	7.93	-			
		H_2S	<0.01	-			
VCU-5	Collected and Controlled Marine Loading	VOC	10.78	-	4, 6, 26, 27, 28	4, 6, 26, 27, 28	4, 6, 27, 28
		NO_x	0.92	-	6, 26, 27, 28	6, 26, 27, 28	6, 27, 28
		CO	0.39	-			
		PM	0.57	-			
		PM_{10}	0.57	-			
		$PM_{2.5}$	0.57	-			
		SO_2	7.93	-			
		H_2S	<0.01	-			

Major NSR Summary Table

Permit Number: 122362 and PSDTX1430M1					Issuance Date: November 30, 2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
VCU-6	Collected and Controlled Marine Loading	VOC	10.78	-	4, 6, 26, 27, 28	4, 6, 26, 27, 28	4, 6, 27, 28
		NO_x	0.92	-	6, 26, 27, 28	6, 26, 27, 28	6, 27, 28
		CO	0.39	-			
		PM	0.57	-			
		PM_{10}	0.57	-			
		$PM_{2.5}$	0.57	-			
		SO_2	7.93	-			
		H_2S	<0.01	-			
VCU-7	Collected and Controlled Marine Loading	VOC	10.78	-	4, 6, 26, 27, 28	4, 6, 26, 27, 28	4, 6, 27, 28
		NO_x	0.92	-	6, 26, 27, 28	6, 26, 27, 28	6, 27, 28
		CO	0.39	-			
		PM	0.57	-			
		PM_{10}	0.57	-			
		$PM_{2.5}$	0.57	-			
		SO_2	7.93	-			
		H_2S	<0.01	-			
VCUCAP	Collected and Controlled Marine Loading Annual Emissions Cap	VOC	-	36.53	4, 6, 26, 27, 28	4, 6, 26, 27, 28	4, 6, 27, 28
		NO_x	-	9.06	6, 26, 27, 28	6, 26, 27, 28	6, 27, 28
		CO	-	4.16			
		PM	-	5.12			
		PM_{10}	-	5.12			
		$PM_{2.5}$	-	5.12			
		SO_2	-	63.25			
		H_2S	-	0.03			
TRUCKLOAD	Uncollected Truck	VOC	2.91	0.04	4, 21	4, 23	4

Major NSR Summary Table

Permit Number: 122362 and PSDTX1430M1					Issuance Date: November 30, 2020		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/hour	**TPY (4)**	**Special Condition/ Application Information**	**Special Condition/ Application Information**	**Special Condition/ Application Information**
	Loading	H_2S	<0.01	<0.01	21	23	
VCU-4	Controlled Truck Loading / Routine Tank Floating Roof Landing Emissions	VOC	3.51	0.28	6, 26, 27, 28, 40	6, 26, 27, 28, 40	6, 27, 28
		NO_x	2.28	0.46	6, 26, 27, 28	6, 26, 27, 28	6, 27, 28
		CO	1.53	0.34			
		PM	0.17	0.03			
		PM_{10}	0.17	0.03			
		$PM_{2.5}$	0.17	0.03			
		SO_2	4.90	0.27			
		H_2S	<0.01	<0.01			
PORTVC	Portable VCU for Controlled Roof Landings & Degas	VOC	1.57	0.46	33, 39, 40, 41	31, 32, 33, 39, 40, 41	41
		NO_x	1.61	1.11	33, 40, 41	31, 32, 40, 41	41
		CO	1.07	0.73			
		PM	0.12	0.06			
		PM_{10}	0.12	0.06			
		$PM_{2.5}$	0.12	0.06			
		SO_2	4.33	1.20			
		H_2S	<0.01	0.01			
FUG	Equipment Fugitives (5)	VOC	2.16	9.48	4, 25	4, 25	4, 25
		H_2S	<0.01	0.01	25	25	25
MSS-CONT	Equipment MSS Vapors Vented	VOC	0.52	0.01	33, 39, 40, 41	31, 32, 33, 39, 40, 41	41
		NO_x	0.98	0.02	33, 40, 41	31, 32, 40, 41	41
		CO	0.66	0.01			
		PM	0.07	<0.01			
		PM_{10}	0.07	<0.01			
		$PM_{2.5}$	0.07	<0.01			

Major NSR Summary Table

Permit Number: 122362 and PSDTX1430M1					Issuance Date: November 30, 2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		SO_2	0.82	0.02			
		H_2S	<0.01	<0.01			
MSS-CONT	Equipment MSS Refilling	VOC	0.31	0.01	33, 39, 40, 41	31, 32, 33, 39, 40, 41	41
		NO_x	0.59	0.01	33, 40, 41	31, 32, 40, 41	41
		CO	0.39	0.01			
		PM	0.04	<0.01			
		PM_{10}	0.04	<0.01			
		$PM_{2.5}$	0.04	<0.01			
		SO_2	0.49	0.01			
		H_2S	<0.01	<0.01			
MSS-CONT	Air Mover and Vacuum Truck MSS	VOC	0.17	0.01	33, 35, 39, 40, 41	31, 32, 33, 35, 36, 39, 40, 41	41
		NO_x	0.31	0.01	33, 35, 40, 41	31, 32, 35, 40, 41	41
		CO	0.21	0.01			
		PM	0.02	<0.01			
		PM_{10}	0.02	<0.01			
		$PM_{2.5}$	0.02	<0.01			
		SO_2	0.26	0.01			
		H_2S	<0.01	<0.01			
MSS-CONT	Frac Tank Emissions	VOC	0.20	0.03	33, 39, 40, 41	31, 32, 33, 36, 39, 40, 41	41
		NO_x	0.38	0.06	33, 40, 41	31, 32, 40, 41	41
		CO	0.25	0.04			
		PM	0.03	<0.01			
		PM_{10}	0.03	<0.01			
		$PM_{2.5}$	0.03	<0.01			

Major NSR Summary Table

Permit Number: 122362 and PSDTX1430M1					Issuance Date: November 30, 2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		SO_2	0.32	0.06			
		H_2S	<0.01	<0.01			
MSS-CONT	Pilot Emissions	VOC	<0.01	0.01	33, 39, 40, 41	31, 32, 33, 39, 40, 41	41
		NO_x	0.04	0.17	33, 40, 41	31, 32, 40, 41	41
		CO	0.02	0.10			
		PM	<0.01	0.01			
		PM_{10}	<0.01	0.01			
		$PM_{2.5}$	<0.01	0.01			
		SO_2	<0.01	<0.01			
MSS-CONT	Controlled MSS Cap	VOC	-	0.07	33, 35, 39, 40, 41	31, 32, 33, 35, 36, 39, 40, 41	41
		NO_x	-	0.27	33, 35, 40, 41	31, 32, 35, 40, 41	41
		CO	-	0.17			
		PM	-	0.02			
		PM_{10}	-	0.02			
		$PM_{2.5}$	-	0.02			
		SO_2	-	0.10			
		H_2S	-	<0.01			
MSS-ATM	Equipment MSS Vapors Vented	VOC	102.11	1.09	33, 39, 40, 41	31, 32, 33, 39, 40, 41	41
		H_2S	0.09	<0.01	33, 40, 41	31, 32, 40, 41	41
MSS-ATM	Equipment Draining	VOC	20.12	0.30	33, 39, 40, 41	31, 32, 33, 36, 39, 40, 41	41
		H_2S	0.02	<0.01	33, 40, 41	31, 32, 40, 41	41
MSS-ATM	Equip Vapor Space Emission (to Atm Post Control)	VOC	8.94	0.18	33, 39, 40, 41	31, 32, 33, 39, 40, 41	41
		H_2S	0.01	<0.01	33, 40, 41	31, 32, 40, 41	41

Major NSR Summary Table

Permit Number: 122362 and PSDTX1430M1					Issuance Date: November 30, 2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
MSS-ATM	Equipment MSS Refilling	VOC	61.27	0.66	33, 39, 40, 41	31, 32, 33, 39, 40, 41	41
		H_2S	0.05	<0.01	33, 40, 41	31, 32, 40, 41	41
MSS-ATM	Uncontrolled Venting from Storage Tank Degassing	VOC	257.41	5.45	33, 39, 40, 41	31, 32, 33, 39, 40, 41	41
		H_2S	0.27	<0.01	33, 40, 41	31, 32, 40, 41	41
MSS-ATM	Misc Inherently Low Emitting Maint Activities	VOC	21.36	0.21	33, 39, 40, 41	31, 32, 33, 36, 39, 40, 41	41
		H_2S	0.02	<0.01	33, 40, 41	31, 32, 40, 41	41
MSS-ATM	Uncontrolled MSS Emission Cap	VOC	471.20	7.90	33, 39, 40, 41	31, 32, 33, 36, 39, 40, 41	41
		H_2S	0.45	<0.01	33, 40, 41	31, 32, 40, 41	41
BLAST	MSS Abrasive Blasting	PM	4.29	4.86	37, 38	31, 38, 39	39
		PM_{10}	0.51	0.58			
		$PM_{2.5}$	0.80	0.09			
HOPPER	MSS Hopper Loading	PM	0.14	0.01	37, 38	31, 38, 39	39
		PM_{10}	0.08	0.01			
		$PM_{2.5}$	0.01	0.01			
BLASTLOAD	MSS Blast Pot Loading	PM	0.09	0.01	37, 38	31, 38, 39	39
		PM_{10}	0.033	0.01			
		$PM_{2.5}$	0.01	0.01			
ROLLOFF	MSS Roll-off Box Loading	PM	0.09	0.01	37, 38	31, 38, 39	39
		PM_{10}	0.03	0.01			
		$PM_{2.5}$	0.01	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
CO - carbon monoxide
H_2S - hydrogen sulfide

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

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

Texas Commission on Environmental Quality
Air Quality Permit

A Permit Is Hereby Issued To
Moda Ingleside, LLC
Authorizing the Construction and Operation of
Moda Ingleside Energy Center
Located at **Ingleside, San Patricio County, Texas**
Latitude 27° 49' 30" Longitude −97° 12' 18"

Permits: 122362 and PSDTX1430M1

Amendment Date: November 30, 2020

Expiration Date: June 22, 2025

For the Commission

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

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

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

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

Common Acronyms in Air Permits

°C = Temperature in degrees Celsius
°F = Temperature in degrees Fahrenheit
°K = Temperature in degrees Kelvin
µg = microgram
$\mu g/m^3$ = microgram per cubic meter
acfm = actual cubic feet per minute
AMOC = alternate means of control
AOS = alternative operating scenario
AP-42 = Air Pollutant Emission Factors, 5th edition
APD = Air Permits Division
API = American Petroleum Institute
APWL = air pollutant watch list
BPA = Beaumont/ Port Arthur
BACT = best available control technology
BAE = baseline actual emissions
bbl = barrel
bbl/day = barrel per day
bhp = brake horsepower
BMP = best management practices
Btu = British thermal unit
Btu/scf = British thermal unit per standard cubic foot or feet
CAA = Clean Air Act
CAM = compliance-assurance monitoring
CEMS = continuous emissions monitoring systems
cfm = cubic feet (per) minute
CFR = Code of Federal Regulations
CN = customer ID number
CNG = compressed natural gas
CO = carbon monoxide
COMS = continuous opacity monitoring system
CPMS = continuous parametric monitoring system
DFW = Dallas/ Fort Worth (Metroplex)
DE = destruction efficiency
DRE = destruction and removal efficiency
dscf = dry standard cubic foot or feet
dscfm = dry standard cubic foot or feet per minute
ED = (TCEQ) Executive Director
EF = emissions factor
EFR = external floating roof tank
EGU = electric generating unit
EI = Emissions Inventory
ELP = El Paso
EPA = (United States) Environmental Protection Agency
EPN = emission point number
ESL = effects screening level
ESP = electrostatic precipitator
FCAA = Federal Clean Air Act
FCCU = fluid catalytic cracking unit
FID = flame ionization detector
FIN = facility identification number
ft = foot or feet
ft/sec = foot or feet per second
g = gram
gal/wk = gallon per week
gal/yr = gallon per year
GLC = ground level concentration
GLC_{max} = maximum (predicted) ground-level concentration
gpm = gallon per minute
gr/1000scf = grain per 1000 standard cubic feet
gr/dscf = grain per dry standard cubic feet
H_2CO = formaldehyde
H_2S = hydrogen sulfide
H_2SO_4 = sulfuric acid
HAP = hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
HC = hydrocarbons
HCl = hydrochloric acid, hydrogen chloride
Hg = mercury
HGB = Houston/Galveston/Brazoria
hp = horsepower
hr = hour
IFR = internal floating roof tank
in H_2O = inches of water
in Hg = inches of mercury
IR = infrared
ISC3 = Industrial Source Complex, a dispersion model
ISCST3 = Industrial Source Complex Short-Term, a dispersion model
K = Kelvin; extension of the degree Celsius scaled-down to absolute zero
LACT = lease automatic custody transfer
LAER = lowest achievable emission rate
lb = pound
hp = horsepower
hr = hour 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 Number 122362 and PSDTX1430M1

1. 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 weight 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): **(08/18)**

   A. Subpart A, General Provisions.

   B. Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984.

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 for Source Categories in 40 CFR Part 63: **(08/18)**

   A. Subpart A, General Provisions.

   B. Subpart Y, National Emission Standards for Marine Tank Vessel Loading Operations

   C. Subpart EEEE, National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline).

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

Emission Standards and Operational Specifications

6. Fuel gas combusted at this facility shall be pipeline quality natural gas containing no more than 0.2 grains of total sulfur per 100 dry standard cubic feet. The natural gas shall be sampled every 6 months to determine total sulfur and net heating value. Test results from the fuel supplier may be used to satisfy this requirement. Fuel gas volume used for each combustion device shall be monitored and recorded with records being updated on a monthly basis.

7. Storage tank throughput and service shall be limited to the following: **(12/19)**

   The simultaneous loading of condensate into storage tanks are limited to 12 tanks at any given time.

Tank EPN	Service	Fill/Withdraw Rate (barrels/hr)
T-101	Crude	40,000
T-102	Crude	40,000
T-103	Crude/Crude Condensate	40,000
T-104	Crude	40,000
T-105	Crude	40,000
T-106	Crude/Crude Condensate	40,000
T-107	Crude	40,000
T-108	Crude	40,000
T-109	Crude/Crude Condensate	40,000
T-110	Crude/Crude Condensate	40,000
T-111	Crude/Crude Condensate	40,000
T-112	Crude/Crude Condensate	40,000
T-113	Crude/Crude Condensate	40,000
T-114	Crude/Crude Condensate	40,000
T-115	Crude/Crude Condensate	40,000
T-116	Crude/Crude Condensate	40,000
T-117	Crude/Crude Condensate	40,000
T-118	Crude/Crude Condensate	40,000
T-119	Crude/Crude Condensate	40,000
T-120	Crude/Crude Condensate	40,000
T-121	Crude/Crude Condensate	40,000
T-122	Crude/Crude Condensate	40,000
T-123	Crude/Crude Condensate	40,000
T-124	Crude/Crude Condensate	40,000
T-125	Crude/Crude Condensate	40,000
T-126	Crude/Crude Condensate	40,000
T-127	Crude/Crude Condensate	40,000
T-128	Crude/Crude Condensate	40,000
T-129	Crude/Crude Condensate	40,000
T-130	Crude/Crude Condensate	40,000
T-131	Crude/Crude Condensate	40,000
T-132	Crude/Crude Condensate	40,000
T-133	Crude/Crude Condensate	40,000
T-134	Crude/Crude Condensate	40,000
T-135	Crude/Crude Condensate	40,000
T-136	Crude/Crude Condensate	40,000
T-137	Crude/Crude Condensate	40,000
T-138	Crude/Crude Condensate	40,000
T-139	Crude/Crude Condensate	40,000
T-140	Crude/Crude Condensate	40,000
T-141	Crude/Crude Condensate	40,000

Tank EPN	Service	Fill/Withdraw Rate (barrels/hr)
T-142	Crude/Crude Condensate	40,000
T-143	Crude/Crude Condensate	40,000
T-144	Crude/Crude Condensate	40,000
T-201	Crude	1,000
T-202	Crude	1,000
EMERTK1	Crude/Crude Condensate	12,600
EMERTK2	Crude/Crude Condensate	12,600

8. Storage tanks are subject to the following requirements: The control requirements specified in parts A-C 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. 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.

   C. 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.

   D. 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.

9. Each tank shall be designed to completely drain its entire contents to a sump in a manner that leaves no more than 8 gallons of free-standing liquid in the tank sump.

10. The holder of this permit shall reduce the temperature and/or vapor pressure of the stored material as needed to maintain a true vapor pressure of less than 11.0 psia at actual storage conditions in each storage tank. Storage of any product with a true vapor pressure of 11.0 psi or greater at ambient conditions is not authorized by this permit.

11. The permit holder shall determine the dissolved H_2S concentration of each crude oil stock to be stored using ASTM D7621 or UOP163, or additional method approved by TCEQ.

    A. The dissolved hydrogen sulfide in the crude oil shall not exceed 10 parts per million by weight (ppmw) in any sample. **(12/19)**

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

        (1) quarterly; or

        (2) within 60 days of any crude oil stock change of service.

12. The permit holder shall maintain an emissions record which includes calculated emissions of VOC and H_2S 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, liquid monthly average temperature in degrees Fahrenheit, VOC and H_2S vapor pressure at the monthly average material temperature in psia, liquid throughput for the previous month and year-to-date. Records of monthly average liquid 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, August 1, 2014. Sample calculations from the application shall be attached to a copy of this permit at the plant site.

Marine Loading

13. The marine (barge and ship) loading is limited to a yearly throughput of 689,580,000 barrels. **(12/19)**

14. The loading of barges and ships is limited to loading crude oil and crude condensate. All vapors generated from marine loading shall be routed to the marine loading vapor control system (Vapor Combustor EPNs VCU-1, VCU-2, VCU-3, VCU-5, VCU-6, or VCU-7).

    The maximum hourly loading rate at any time shall not exceed a combined loading rate listed on page 3 of the confidential portion of the permit amendment application submittal dated April 20, 2018. **(08/18)**

15. All loading lines (hoses) and connectors shall be visually inspected for any defects prior to hookup. Lines and connectors that are visibly damaged shall be removed from service. Operations shall cease immediately upon detection of any liquid leaking from the lines or connections. Flanged connections shall be used for all loading operations. The following actions shall be taken prior to removing loading lines/hoses from marine vessels and shore facilities.

    A. After the transfer is complete, the loading line/hose shall be isolated at the connection to the shore piping. The loading line/hose shall be vented at the shore piping and shall be gravity drained into the marine vessel per the site operating procedure.

B. The loading line/hose may be disconnected from the shore and/or marine vessel piping after the liquid has been removed to the extent possible by gravity draining to the vessel being loaded. If it is necessary to further empty the line/hose, any residual liquid in the line/hose shall be immediately drained directly into a covered sump. If the line/hose is not emptied, the open end(s) of the line/hose shall be immediately capped, plugged, or blinded to prevent leakage.

C. After the loading line/hose has been removed from the vessel, the vapor return line shall be immediately isolated.

The actions shall be documented as part of the loading procedure.

16. Marine vessels shall not be loaded unless the vapor collection system is properly connected, and the entire collection and destruction system is working as designed.

17. Unless the vessel must be inerted during loading due to safety requirements, all vapors associated with marine loading shall be routed through a vacuum-assisted collection system as specified below

A. the marine loading vapor collection system shall be operated such that the vacuum maintained in the collection system during loading is no less than one inch of water and that the vessel being loaded is also under a vacuum.

B. The vacuum monitor shall be installed, calibrated at least annually, and maintained according to the manufacturer's specifications. The device shall have an accuracy of the greater of ±5 percent of the vacuum being measured or ±0.15 inches of water.

C. A pressure measurement device shall be installed as close as possible to the vessel's vapor return port to continuously monitor and record the vacuum while loading is taking place. The collection system vacuum shall be continuously monitored and recorded at least once every 6 minutes while loading is occurring. The monitoring device shall be accurate to, and shall be calibrated at least annually in accordance with, the manufacturer's specifications.

D. Quality-assured (or valid) data must be generated when loading is occurring. 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 barge loading is occurring over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded.

18. VOC collection efficiency tests of inerted ocean-going marine vessels designated as very large crude carriers (VLCCs) shall be conducted as follows to demonstrate a collection efficiency of 99.9% as represented in the permit application. **(12/19)**

A. Testing shall be conducted using the protocol agreed to by the Executive Director on June 22, 2015. Any revision to the approved testing protocol shall require approval from the Executive Director prior to implementation. The permittee shall maintain a copy of the approved protocol on site.

B. Complying test results shall be obtained in accordance with the protocol for a minimum of one vessel. The test shall be conducted within twelve months of the first loading of an inerted ocean-going marine vessel.

C. The results of the test shall be submitted to the TCEQ Regional Office with a copy to the TCEQ Air Permits Division within 60 days after completion of the test.

D. The TCEQ Regional Office must be notified at least 48 hours prior to testing. The facility owner or operator may request a waiver from the 48 hour advance notification requirement from the TCEQ Regional Office.

E. The permit holder shall maintain the following records for each ship tested for a period of 5 years from the date of testing:

(1) The most recent vapor tightness certificate;

(2) A recent, completed Standard Tanker Chartering Questionnaire form (Q88); and

(3) Records of each incidence of testing conducted in accordance with this condition.

19. The following additional requirements apply to loading of a VOC which has a vapor pressure equal to or greater than 0.5 pounds per square inch absolute (psia) under actual storage conditions onto inerted marine vessels (ships and ocean-going barges). **(12/19)**

A. Before loading, the owner or operator of the marine terminal shall verify that the marine vessel has passed an annual vapor tightness test as specified in 40 CFR §63.565(c) (September 19, 1995) or 40 CFR §61.304(f) (October 17, 2000) within the previous twelve months, and received a recent, completed Standard Tanker Chartering Questionnaire form (Q88) or equivalent.

B. The pressure at the vapor collection connection of an inerted marine vessel must be maintained such that the pressure in a vessel's cargo tanks do not go below 0.2 pounds per square inch gauge (psig) or exceed 80% of the lowest setting of any of the vessel's pressure relief valves. The lowest vessel cargo tank or vent header pressure relief valve setting for the vessel being loaded shall be recorded. Pressure shall be continuously monitored while the vessel is being loaded. Pressure shall be recorded at fifteen-minute intervals.

C. VOC loading rates shall be recorded during loading. The loading rate must not exceed the maximum permitted loading rate.

D. During loading, the owner or operator of the marine terminal or of the marine vessel shall conduct audio, olfactory, and visual checks for leaks within the first hour of loading and once every 8 hours thereafter for on-shore equipment and on board the ship.

(1) If a liquid leak is detected during loading and cannot be repaired immediately (for example, by tightening a bolt or packing gland), then the loading operation shall cease until the leak is repaired.

(2) If a vapor leak is detected by sight, sound, smell, or hydrocarbon gas analyzer during the loading operation, then a "first attempt" shall be made to repair the leak. Loading operations need not be ceased if the first attempt to repair the leak is not successful provided that the first attempt effort is documented by the owner or operator of the marine vessel and a copy of the repair log is made available to a representative of the marine terminal.

(3) If the attempt to repair the leak is not successful and loading continues, emissions from the loading operation for that ship shall be calculated assuming a collection efficiency of 99%.

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 TCEQ upon request.

20. Reserved

21. The following conditions apply to loading tank trucks with crude oil or crude condensate.

A. Loading of tank trucks with crude oil and crude condensate is limited to a maximum combined loading rate of 300 barrels per hour.

B. All lines and connectors shall be visually inspected for any defects prior to hookup. Lines and connectors that are visibly damaged shall be removed from service. Operations shall cease immediately upon detection of any liquid leaking from the lines or connections.

C. Loading emissions shall be vented to a vapor combustor (EPN VCU-4). The vapor combustor shall achieve a minimum of 99.9% control of the waste gas directed to it. **(12/18)**

D. Each tank truck shall pass vapor-tight testing every 12 months using the methods described in Title 40 Code of Federal Regulations Part 63 (40 CFR 63), Subpart R. The permit holder shall not allow a tank truck to be filled unless it has passed a leak-tight test within the past year as evidenced by a certificate which shows the date the tank truck last passed the leak-tight test required by this condition and the identification number of the tank truck.

22. All loading shall be submerged.

23. The permit holder shall maintain and update monthly an emissions record which includes calculated emissions of VOC from all loading operations over the previous rolling 12-month period. The record shall include the loading spot, control method used, quantity loaded in gallons, name of the liquid loaded, vapor molecular weight, liquid temperature in degrees Fahrenheit, liquid vapor pressure at the liquid temperature in psia, liquid throughput for the previous month and rolling 12 months to date. Records of VOC temperature are not required to be kept for liquids loaded from unheated tanks which receive liquids that are at or below ambient temperatures. Loading emissions shall be calculated using the methods used to determine the MAERT limits in the permit application for the facilities authorized by this permit. Sample calculations from the application shall be attached to a copy of the permit at the terminal.

Tank Roof Landings

24. This permit authorizes emissions from tank roof landings due to inventory control, changes in tank service or tank inspection/maintenance as identified in the permit application. 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. If the tank is to be completely drained, the tank liquid level shall be continuously lowered after the tank floating roof initially lands on its supporting legs until the tank and tank sump have been drained to the maximum extent practicable without entering the tank.

B. A vapor recovery system shall be connected to the vapor space under the landed tank roof and the vapor space vented to the tank roof landing vapor combustor (EPN VCU-4). 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 the vapor space is directed to the control device. The vapor space shall be vented to the control device during the period from the first stoppage of liquid withdrawal after the roof is landed until the VOC concentration in the tank per part E of this condition has been verified or the tank has been filled so that the landed roof is floating on the liquid. The vapor recovery system collection rate shall always be greater than 100 cubic feet per minute when the tank is idle and two times the fill rate when the tank is being refilled.

C. The tank roof shall be landed on its lowest legs unless tank entry is planned. The time the roof is landed shall be minimized unless the tank has been completely drained and degassed.

D. If the tank is not degassed per part E of this condition, the date and time the roof is again floating on liquid shall be recorded and parts E through G of this condition do not apply.

E. Tanks shall be degassed as follows:

(1) If tank entry is planned or the tank is to be removed from service for an extended period and the tank had not been entered within the last 24 months, the permit holder shall open at least one entry into the tank to perform a visual inspection of the tank floor and sump to confirm that there is no standing liquid present and the drain dry tank is operating as designed. This inspection shall be performed during controlled degassing, if applicable. If any standing liquid is noted, it must be removed prior to uncontrolled tank degassing.

(2) The gas or vapor removed from the vapor space under the floating roof must be routed to a control device through 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.

(3) 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.

(4) 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 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.

(5) 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.

F. 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.

G. The tank may be opened without restriction and ventilated without control after all standing liquid has been removed from the tank as verified by visible inspection and the vapor space concentration in the tank has been verified to be less than 10,000 ppmv or 10% of the LEL. The VOC sampling and analysis shall be performed as specified in Special Condition No 33.A or 33.C.

H. During refilling, the vapor space below the tank roof shall be directed to the vapor combustor until the roof is floating on the liquid. The method and locations used to connect the control device shall be recorded. All vents from the tank being filled must exit through the vapor combustor.

I. Two routine tank roof landings, two MSS tank roof landings, or one routine tank roof landing and one MSS tank roof landing may occur simultaneously. Only one tank with a landed floating roof can be filled at any time at a rate not to exceed 5,000 bbl/hr until the roof is refloated. **(12/19)**

J. 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 purposes 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 standing idle emissions, vapor space volume under the floating roof vented to control device and ventilation flow rate to the control device
d. start and completion of controlled degassing, total volumetric flow, results of any tank inspection of the tank for liquid and any corrective actions taken, VOC concentration sampling results,
e. all standing liquid was removed from the tank,
f. VOC concentration sampling results,
g. refilling commenced, liquid filling the tank, and the volume necessary to float the roof; and
h. 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 Section 7.1.3.2 of AP-42 "Compilation of Air Pollution Emission Factors, Chapter 7 - Storage of Organic Liquids" dated November 2006 and the permit application.

K. Floating roof landings with associated degassing are limited to 12 events per tank per rolling 12-month period. **(12/18)**

Piping, Valves, Connectors, Pumps, Agitators, and Compressors - 28VHP (Revised 5/17/11)

25. Except as may be provided for in the special conditions of this permit, the following requirements apply to the above-referenced equipment:

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

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

(1) piping and instrumentation diagram (PID);

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

(3) color coding;

(4) a form of weatherproof identification; or

(5) designation of exempted process unit boundaries.

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

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

D. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak-checking during plant operation. Difficult-to-monitor and unsafe-to-monitor valves, as defined by Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), shall be identified in a list to be made readily available upon request. The difficult-to-monitor and unsafe-to-monitor valves may be identified by one or more of the methods described in subparagraph 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 an 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 shutdown as calculated in accordance with 30 TAC 115.782 (c)(1)(B)(i)(I), the TCEQ Regional Manager and any local programs shall be notified and may require early unit shutdown 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 G 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.

Vapor Combustors

26. The vapor combustors (EPNs: VCU-1, VCU-2, VCU-3, VCU-5, VCU-6, and VCU-7) shall achieve 99.9 percent control of the carbon compounds directed to it during loading. Vapor combustor VCU-4 shall achieve 99.9 percent control of the carbon compounds directed to it during tank truck loading, tank roof landings due to inventory control or changes in tank service, and storage tank MSS activities. The permit holder shall operate the VCUs in the following manner: **(11/20)**

A. For VCU-1, VCU-2, VCU-3, and VCU-4, control efficiency shall be ensured by maintaining the six-minute average temperature in the combustion chamber during marine loading, tank truck loading, tank roof landings due to inventory control or changes in tank service, and storage tank MSS activities above the values demonstrated by initial stack testing as specified below:

Unit	Minimum Six-Minute Average Temperature (°F)	Initial Stack Test Date
VCU-1	1499	April 7, 2017
VCU-2	1479	April 26, 2017
VCU-3	1500	April 7, 2017
VCU-4	1461	January 26, 2017

Should future stack testing be conducted in accordance with Special Condition 27, the six-minute average temperature shall be maintained during marine loading, tank truck loading, tank roof landings due to inventory control or changes in tank service, and storage tank MSS activities above the minimum one-hour average temperature maintained during the last satisfactory stack test.

B. For VCU-5, VCU-6, and VCU-7, control efficiency shall be ensured by maintaining the temperature in the combustion chamber above 1500°F during marine loading prior to the initial stack test performed in accordance with Special Condition 27. Following the completion of that stack test, the six-minute average temperature shall be maintained above the minimum one-hour average temperature maintained during the last satisfactory stack test.

C. The temperature measurement device shall reduce the temperature readings to an averaging period of 6 minutes or less and record it at that frequency. The temperature monitor shall be installed, calibrated at least annually, and maintained according to the manufacturer's specifications. The device shall have an accuracy of the greater of ±2 percent of the temperature being measured expressed in degrees Fahrenheit or ±4.5ºF.

D. Quality assured (or valid) data must be generated when the VCU is operating. 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 VCU operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded.

E. Each vapor combustor shall be operated with no visible emissions and have a constant pilot flame during all times waste gas could be directed to it. 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.

27. 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 vapor combustor EPNs: VCU-1, VCU-2, VCU-3, VCU-4, VCU-5, VCU-6, and VCU-7 to demonstrate compliance with the MAERT. Initial stack sampling per the requirements of this condition was performed for VCU-1, VCU-2, VCU-3, and VCU-4 as noted in Special Condition 26.A. 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. **(08/18)**

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.

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 vapor combustors to be tested for include (but are not limited to) VOC, NOx, and CO.

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. Each vapor combustor shall be sampled under the following conditions during stack emission testing: **(08/18)**

(1) For EPNs VCU-1, VCU-2, VCU-3, VCU-5, VCU-6, and VCU-7, each vapor combustor shall be sampled while loading marine vessels at the maximum loading rate.

(2) EPN VCU-4: the vapor combustor shall be sampled while refloating the tank roof of an uncleaned tank (heel present) that has been emptied to the maximum extent possible while filling at the maximum fill rate. These conditions/parameters and any other primary operating parameters that affect the emission rate shall be monitored and recorded during the stack test. Any additional parameters shall be determined at the pretest meeting and shall be stated in the sampling report. Permit conditions and parameter limits may be waived during stack testing performed under this condition if the proposed condition/parameter range is identified in the test notice specified in paragraph A and accepted by the TCEQ Regional Office. Permit allowable emissions and emission control requirements are not waived and still apply during stack testing periods.

(3) During subsequent operations, if the loading rate is greater than that 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.

One copy to each local air pollution control program.

F. Sampling ports and platform(s) shall be incorporated into the design of (source stack and EPN) 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

Continuous Demonstration of Compliance

28. The following requirements apply to capture systems for vapor combustors (EPNs VCU-1, VCU-2, VCU-3, VCU-4, VCU-5, VCU-6, and VCU-7). **(08/18)**

    A. The permit holder shall perform one of the following:

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

        (2) Once a year, verify the 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.

    B. The control device shall not have a bypass, or if there is a bypass for the control device, comply with either of the following requirements:

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

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

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

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

Planned Maintenance, Startup and Shutdown

29. This permit authorizes the emissions from the facilities authorized by this permit for the planned maintenance, startup, and shutdown (MSS) activities summarized in this condition. **(11/20)**

    A. MSS Activity Summary

Facility	Activity	EPN
Storage Tanks	Controlled Tank Roof landings (Standing idle and refilling)	MSS-CONT
Storage Tanks	Controlled Tank Degassing	MSS-CONT
Storage Tanks	Tank opening, uncontrolled venting to atmosphere	MSS-ATM
Routine Maintenance Activities (Paragraph B)	Drain	MSS-ATM

Facility	Activity	EPN
Routine Maintenance Activities (Paragraph B)	Degas to control	MSS-CONT
Routine Maintenance Activities (Paragraph B)	Opening, uncontrolled venting to atmosphere.	MSS-ATM
Routine Maintenance Activities (Paragraph B)	Controlled refilling	MSS-CONT
Minor facilities meeting criteria of Special Condition 29.E; pumps, valves, piping, filters, etc. with an isolated volume of less than 85 cubic feet (i.e. 50 lbs of air contaminant)	Isolate, drain, degas to atmosphere, and refill to support planned maintenance	MSS-ATM
Air movers and vacuum trucks	Drain liquid from tanks for planned maintenance	MSS-CONT
Frac Tanks, temporary tanks and vessels	Temporary Storage	MSS-ATM
Equipment resurfacing	MSS Abrasive Blasting	BLAST
Loading of abrasive materials into abrasive blasting hopper	MSS Hopper Loading	HOPPER
Loading of blast pot used for abrasive blasting	MSS Blast Pot Loading	BLASTLOAD
Loading of containers with spent blast materials	MSS Roll-off Box Loading	ROLLOFF

B. Routine Maintenance Activities

(1) Pump repair/replacement

(2) Fugitive component (valve, pipe, flange) repair/replacement

(3) Filter and meter repair/replacement

(4) Compressor repair/replacement

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, portable control devices identified in Special Condition 41 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.

31. Routine maintenance activities, as identified in Special Condition 29.B may be tracked through the work orders or equivalent. Emissions from activities identified in Special Condition 29.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 Special Condition 29.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.

32. Process units and facilities, with the exception of those identified in Special Conditions 24 and 36 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 Special Condition 29.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 (process flow diagrams [PFDs] or piping and instrumentation diagrams [P&IDs] may be used to demonstrate compliance with the requirement). 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 33. 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 (such as a sample, vent, or drain valve) 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 Special Condition 32.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 Special Condition 29.B

33. 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. 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. 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

34. This permit authorizes emissions from internal floating roof storage tanks during planned floating roof landings associated with MSS activities. The requirements of Special Condition No. 24 apply to tank roof landings associated with MSS activities. For purposes of this permit tank roof landings associated with MSS are defined as anytime the tank is cleaned.

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 33.A or 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 35.A through 35.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. 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. Frac tanks and temporary storage vessels shall be designed such that there are no standing losses emitted to the atmosphere. Standing loss emissions from frac tanks or temporary storage are not authorized by this permit.

E. 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.”

F. 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.

37. No visible emissions shall leave the property due to abrasive blasting. **(11/20)**

38. Garnet Sand may be used for abrasive blasting. The permit holder may also use blast media that meet the criteria below: **(11/20)**

A. The media shall not contain asbestos or greater than 1.0 weight percent crystalline silica.

B. The weight fraction of any metal in the blast media with a short term ESL less than 50 micrograms per cubic meter as identified in the most recently published TCEQ ESL list shall not exceed the ESLmetal/1000.

C. The MSDS for each media used shall be maintained on site.

D. Blasting media usage and the associated emissions shall be recorded each month and the rolling 12 month total emissions updated.

39. 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.

40. 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 33.A or 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. 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 iii 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 33.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.

(b) 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 33.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.

(c) 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 33.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 Paragraph B(2) of this condition.

C. Vapor Combustor

(1) Temporary portable vapor combustors shall provide no less than 99 percent DRE control of the waste gas directed to it. This may be demonstrated by one of the following:

a. maintaining thermal vapor combustor firebox exit temperature at not less than 1400°F with waste gas flows limited to assure at least a 0.5 second residence time in the fire box while waste gas is being fed into the combustor; or

b. having completed a control efficiency demonstration (stack test) in accordance with the approved test methods in 30 TAC 115.545 (relating to Approved Test Methods) within the past 12 months and maintaining vapor combustor firebox exit temperature at not less than that temperature maintained during the demonstration with waste gas flow limited to that maintained during the demonstration while waste gas is being fed into the combustor.

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

(3) 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.

D. Pilot and assist gas combusted shall be sweet natural gas containing no more than 0.2 grains of total sulfur per 100 dry standard cubic feet. The volume of pilot and assist gas shall be monitored and recorded with records being updated on a monthly basis.

41. The following requirements apply to capture systems for temporary portable vapor combustors used to support MSS activities:

A. If used to control pollutants other than particulate conduct a visual, audible, and/or olfactory inspection of the capture system prior to each use and after each month of continuous operation to verify there are no leaking components in the capture system; or

B. The control device shall not have a bypass, or if there is a bypass for the control device, comply with either of the following requirements:

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

(2) prior to initial use and each month of continuous service, inspect the valves, verifying that the position of the valves and the condition of the car seals prevent flow out the bypass

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

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

Dated: November 30, 2020

Emission Sources - Maximum Allowable Emission Rates

Permit Number 122362 and PSDTX1430M1

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)
T-101	Tank T-101	VOC	9.94	5.52
		H_2S	0.01	<0.01
T-102	Tank T-102	VOC	9.94	5.52
		H_2S	0.01	<0.01
T-103	Tank T-103	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-104	Tank T-104	VOC	9.94	5.52
		H_2S	0.01	<0.01
T-105	Tank T-105	VOC	9.94	5.52
		H_2S	0.01	<0.01
T-106	Tank T-106	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-107	Tank T-107	VOC	9.94	5.52
		H_2S	0.01	<0.01
T-108	Tank T-108	VOC	9.94	5.52
		H_2S	0.01	<0.01
T-109	Tank T-109	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-110	Tank T-110	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-111	Tank T-111	VOC	9.11	6.54
		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)
T-112	Tank T-112	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-113	Tank T-113	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-114	Tank T-114	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-115	Tank T-115	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-116	Tank T-116	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-117	Tank T-117	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-118	Tank T-118	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-119	Tank T-119	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-120	Tank T-120	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-121	Tank T-121	VOC	9.11	6.54
		H_2S	0.01	<0.01
T- 122	Tank T- 122	VOC	9.91	6.02
		H_2S	0.01	<0.01
T- 123	Tank T- 123	VOC	9.91	6.02
		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)
T- 124	Tank T- 124	VOC	9.11	6.54
		H_2S	0.01	<0.01
T- 125	Tank T- 125	VOC	9.11	6.54
		H_2S	0.01	<0.01
T- 126	Tank T- 126	VOC	8.86	4.00
		H_2S	0.01	<0.01
T- 127	Tank T- 127	VOC	9.11	6.54
		H_2S	0.01	<0.01
T- 128	Tank T- 128	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-129	Tank T-129	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-130	Tank T-130	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-131	Tank T-131	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-132	Tank T-132	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-133	Tank T-133	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-134	Tank T-134	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-135	Tank T-135	VOC	9.11	6.54
		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)
T-136	Tank T-136	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-137	Tank T-137	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-138	Tank T-138	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-139	Tank T-139	VOC	9.11	6.54
		H_2S	0.01	<0.01
T- 140	Tank T- 140	VOC	9.11	6.54
		H_2S	0.01	<0.01
T- 141	Tank T- 141	VOC	9.11	6.54
		H_2S	0.01	<0.01
T- 142	Tank T- 142	VOC	9.11	6.54
		H_2S	0.01	<0.01
T- 143	Tank T- 143	VOC	9.11	6.54
		H_2S	0.01	<0.01
T- 144	Tank T- 144	VOC	9.11	6.54
		H_2S	0.01	<0.01
T-201	Tank T-201	VOC	2.03	0.52
		H_2S	<0.01	<0.01
T-202	Tank T-202	VOC	2.03	0.52
		H_2S	<0.01	<0.01
EMERTK1	Emergency Relief Tank 1	VOC	11.36	0.36
		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)
EMERTK2	Emergency Relief Tank 2	VOC	11.36	0.36
		H_2S	0.01	<0.01
TANKCAP	Tank Cap	VOC	-	193.22
		H_2S	-	0.16
DOCK-2	Uncollected Loading Dock No. 2	VOC	11.87	-
		H_2S	0.01	-
DOCK-4	Uncollected Loading Dock No. 4	VOC	11.87	-
		H_2S	0.01	-
DOCK-5	Uncollected Loading Dock No. 5	VOC	11.87	-
		H_2S	0.01	-
DOCK CAP	Uncollected Dock Emissions Cap	VOC	-	35.54
		H_2S	-	0.04
VCU-1	Collected and Controlled Marine Loading	VOC	10.78	-
		NO_x	0.92	-
		CO	0.39	-
		PM	0.57	-
		PM_{10}	0.57	-
		$PM_{2.5}$	0.57	-
		SO_2	7.93	-
		H_2S	<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)
VCU-2	Collected and Controlled Marine Loading	VOC	10.78	-
		NO_x	0.92	-
		CO	0.39	-
		PM	0.57	-
		PM_{10}	0.57	-
		$PM_{2.5}$	0.57	-
		SO_2	7.93	-
		H_2S	<0.01	-
VCU-3	Collected and Controlled Marine Loading	VOC	10.78	-
		NO_x	0.92	-
		CO	0.39	-
		PM	0.57	-
		PM_{10}	0.57	-
		$PM_{2.5}$	0.57	-
		SO_2	7.93	-
		H_2S	<0.01	-
VCU-5	Collected and Controlled Marine Loading	VOC	10.78	-
		NO_x	0.92	-
		CO	0.39	-
		PM	0.57	-
		PM_{10}	0.57	-
		$PM_{2.5}$	0.57	-
		SO_2	7.93	-
		H_2S	<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)
VCU-6	Collected and Controlled Marine Loading	VOC	10.78	-
		NO_x	0.92	-
		CO	0.39	-
		PM	0.57	-
		PM_{10}	0.57	-
		$PM_{2.5}$	0.57	-
		SO_2	7.93	-
		H_2S	<0.01	-
VCU-7	Collected and Controlled Marine Loading	VOC	10.78	-
		NO_x	0.92	-
		CO	0.39	-
		PM	0.57	-
		PM_{10}	0.57	-
		$PM_{2.5}$	0.57	-
		SO_2	7.93	-
		H_2S	<0.01	-
VCUCAP	Collected and Controlled Marine Loading Annual Emissions Cap	VOC	-	36.53
		NO_x	-	9.06
		CO	-	4.16
		PM	-	5.12
		PM_{10}	-	5.12
		$PM_{2.5}$	-	5.12
		SO_2	-	63.25
		H_2S	-	0.03
TRUCKLOAD	Uncollected Truck Loading	VOC	2.91	0.04
		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)
VCU-4	Controlled Truck Loading / Routine Tank Floating Roof Landing Emissions	VOC	3.51	0.28
		NO_x	2.28	0.46
		CO	1.53	0.34
		PM	0.17	0.03
		PM_{10}	0.17	0.03
		$PM_{2.5}$	0.17	0.03
		SO_2	4.90	0.27
		H_2S	<0.01	<0.01
PORTVC	Portable VCU for Controlled Roof Landings & Degas	VOC	1.57	0.46
		NO_x	1.61	1.11
		CO	1.07	0.73
		PM	0.12	0.06
		PM_{10}	0.12	0.06
		$PM_{2.5}$	0.12	0.06
		SO_2	4.33	1.20
		H_2S	<0.01	0.01
FUG	Equipment Fugitives (5)	VOC	2.16	9.48
		H_2S	<0.01	0.01
MSS-CONT	Equipment MSS Vapors Vented	VOC	0.52	0.01
		NO_x	0.98	0.02
		CO	0.66	0.01
		PM	0.07	<0.01
		PM_{10}	0.07	<0.01
		$PM_{2.5}$	0.07	<0.01
		SO_2	0.82	0.02
		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)
MSS-CONT	Equipment MSS Refilling	VOC	0.31	0.01
		NO_x	0.59	0.01
		CO	0.39	0.01
		PM	0.04	<0.01
		PM_{10}	0.04	<0.01
		$PM_{2.5}$	0.04	<0.01
		SO_2	0.49	0.01
		H_2S	<0.01	<0.01
MSS-CONT	Air Mover and Vacuum Truck MSS	VOC	0.17	0.01
		NO_x	0.31	0.01
		CO	0.21	0.01
		PM	0.02	<0.01
		PM_{10}	0.02	<0.01
		$PM_{2.5}$	0.02	<0.01
		SO_2	0.26	0.01
		H_2S	<0.01	<0.01
MSS-CONT	Frac Tank Emissions	VOC	0.20	0.03
		NO_x	0.38	0.06
		CO	0.25	0.04
		PM	0.03	<0.01
		PM_{10}	0.03	<0.01
		$PM_{2.5}$	0.03	<0.01
		SO_2	0.32	0.06
		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)
MSS-CONT	Pilot Emissions	VOC	<0.01	0.01
		NO_x	0.04	0.17
		CO	0.02	0.10
		PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		SO_2	<0.01	<0.01
MSS-CONT	Controlled MSS Cap	VOC	-	0.07
		NO_x	-	0.27
		CO	-	0.17
		PM	-	0.02
		PM_{10}	-	0.02
		$PM_{2.5}$	-	0.02
		SO_2	-	0.10
		H_2S	-	<0.01
MSS-ATM	Equipment MSS Vapors Vented	VOC	102.11	1.09
		H_2S	0.09	<0.01
MSS-ATM	Equipment Draining	VOC	20.12	0.30
		H_2S	0.02	<0.01
MSS-ATM	Equip Vapor Space Emission (to Atm Post Control)	VOC	8.94	0.18
		H_2S	0.01	<0.01
MSS-ATM	Equipment MSS Refilling	VOC	61.27	0.66
		H_2S	0.05	<0.01
MSS-ATM	Uncontrolled Venting from Storage Tank Degassing	VOC	257.41	5.45
		H_2S	0.27	<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-ATM	Misc Inherently Low Emitting Maint Activities	VOC	21.36	0.21
		H_2S	0.02	<0.01
MSS-ATM	Uncontrolled MSS Emission Cap	VOC	471.20	7.90
		H_2S	0.45	<0.01
BLAST	MSS Abrasive Blasting	PM	4.29	4.86
		PM_{10}	0.51	0.58
		$PM_{2.5}$	0.08	0.09
HOPPER	MSS Hopper Loading	PM	0.14	0.01
		PM_{10}	0.08	0.01
		$PM_{2.5}$	0.01	0.01
BLASTLOAD	MSS Blast Pot Loading	PM	0.09	0.01
		PM_{10}	0.03	0.01
		$PM_{2.5}$	0.01	0.01
ROLLOFF	MSS Roll-off Box Loading	PM	0.09	0.01
		PM_{10}	0.03	0.01
		$PM_{2.5}$	0.01	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
CO - carbon monoxide
H_2S - hydrogen sulfide
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: November 30, 2020