FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Jefferson Railport Terminal I (Texas) LLC

AUTHORIZING THE OPERATION OF
Jefferson Railport Terminal
Petroleum and Petroleum Products Wholesalers

LOCATED AT
Orange County, Texas
Latitude 30° 5' 0" Longitude 94° 5' 10"
Regulated Entity Number: RN106402894

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: O3831 Issuance Date: _____

_____
For the Commission

Table of Contents

General Terms and Conditions

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

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

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

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

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

Special Terms and Conditions:
Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

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

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

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

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

E. Emission units subject to 40 CFR Part 63, Subpart Y, EEEE, ZZZZ, or DDDDD as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.300, § 113.880, § 113.1090, or § 113.1130 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. 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.

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

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

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

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

4. The permit holder shall comply with the following requirements of 30 TAC Chapter 115, Subchapter F, Division 3, Degassing of Storage Tanks, Transport Vessels and Marine Vessels:

A. For degassing of stationary VOC storage tanks, the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 115.541(a) - (c) (relating to Emission Specifications)

(ii) Title 30 TAC § 115.541(f) (relating to Emission Specifications), for floating roof storage tanks

(iii) Title 30 TAC § 115.542(a) and (a)(1), (a)(2), (a)(3) or (a)(4) (relating to Control Requirements). Where the requirements of 30 TAC Chapter 115, Subchapter F contain multiple compliance options, the permit holder shall keep records of when each compliance option was used.

(iv) Title 30 TAC § 115.542(b) - (d), (relating to Control Requirements)

(v) Title 30 TAC § 115.543 (relating to Alternate Control Requirements)

(vi) Title 30 TAC § 115.544(a)(1) and (a)(2) (relating to Inspection, Monitoring, and Testing Requirements), for inspections

(vii) Title 30 TAC § 115.544(b) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring

(viii) Title 30 TAC § 115.544(b)(1) and (b)(2) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring of control devices

(ix) Title 30 TAC § 115.544(b)(2)(A) - (J) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring (as appropriate to the control device)

(x) Title 30 TAC § 115.544(b)(3), (b)(4) and (b)(6) (relating to Inspection, Monitoring, and Testing Requirements), for VOC concentration or lower explosive limit threshold monitoring

(xi) Title 30 TAC § 115.544(c), and (c)(1) - (c)(3) (relating to Inspection, Monitoring, and Testing Requirements), for testing of control devices used to comply with 30 TAC § 115.542(a)(1)

(xii) Title 30 TAC § 115.545(1) - (7), (9) - (11) and (13) (relating to Approved Test Methods)

(xiii) Title 30 TAC § 115.546(a), (a)(1) and (a)(3) (relating to Recordkeeping and Notification Requirements), for recordkeeping

(xiv) Title 30 TAC § 115.546(a)(2) and (a)(2)(A) - (J) (relating to Recordkeeping and Notification Requirements), for recordkeeping (as appropriate to the control device)

(xv) Title 30 TAC § 115.546(a)(4) (relating to Recordkeeping and Notification Requirements), for recordkeeping of testing of control devices used to comply with 30 TAC § 115.542(a)(1)

(xvi) Title 30 TAC § 115.547(4) (relating to Exemptions)

5. 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)

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

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

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

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

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

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

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

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

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

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

7. For the benzene transfer operations to and from railcars and tank trucks specified in 40 CFR Part 61, Subpart BB, the permit holder shall comply with the following requirements:

   A. Title 40 CFR § 61.302(d) (relating to Standards)

   B. Title 40 CFR § 61.305(g) - (h) (relating to Reporting and Recordkeeping)

8. For the benzene transfer operations to and from marine vessels specified in 40 CFR Part 61, Subpart BB, the permit holder shall comply with the following requirements:

   A. Title 40 CFR § 61.302(e) (relating to Standards)

   B. Title 40 CFR § 61.303(f) (relating to Monitoring Requirements)

   C. Title 40 CFR § 61.304(f) (relating to Test Methods and Procedures)

   D. Title 40 CFR § 61.305(g) - (h) (relating to Reporting and Recordkeeping)

9. 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.

10. 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)

11. For containers using controls specified in 40 CFR Part 63, Subpart PP, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.470 incorporated by reference):

    A. Title 40 CFR § 63.924(b)(1) - (2), (c)(1) - (2), and (d) (relating to Standards - Container Level 3 Controls)

    B. Title 40 CFR § 63.926(b) (relating to Inspection and Monitoring Requirements)

    C. Title 40 CFR § 63.927(a)(1) - (2) (relating to Recordkeeping Requirements)

    D. Title 40 CFR § 63.928(a) (relating to Reporting Requirements)

Additional Monitoring Requirements

12. Unless otherwise specified, the permit holder shall comply with the compliance assurance monitoring requirements as specified in the attached "CAM Summary" upon issuance of the permit. In addition, the permit holder shall comply with the following:

    A. The permit holder shall comply with the terms and conditions contained in 30 TAC § 122.147 (General Terms and Conditions for Compliance Assurance Monitoring).

    B. The permit holder shall report, consistent with the averaging time identified in the "CAM Summary," deviations as defined by the deviation limit in the "CAM Summary." Any monitoring data below a minimum limit or above a maximum limit, that is collected in accordance with the requirements specified in 40 CFR § 64.7(c), shall be reported as a deviation. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

    C. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the "CAM 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 in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c).

    D. The permit holder shall operate the monitoring, identified in the attached "CAM Summary," in accordance with the provisions of 40 CFR § 64.7.

    E. The permit holder shall comply with either of the following requirements for any capture system associated with the VOC control device subject to

CAM. If the results of the following inspections indicate that the capture system is not working properly, the permit holder shall promptly take necessary corrective actions:

(i) Once a year the permit holder shall inspect the capture system in compliance of CAM for leaks 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 ppm above background or as defined by the underlying applicable requirement; or

(ii) Once a month, the permit holder shall conduct a visual, audible, and/or olfactory inspection of the capture system in compliance of CAM to detect leaking components.

F. The permit holder shall comply with the requirements of 40 CFR § 70.6(a)(3)(ii)(A) and 30 TAC § 122.144(1)(A)-(F) for documentation of all required inspections.

New Source Review Authorization Requirements

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

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

B. Shall be located with this operating permit

C. Are not eligible for a permit shield

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

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

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

Compliance Requirements

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

17. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:

    A. The permit holder shall comply with the compliance schedules and submit written notification to the TCEQ Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:

        (i) For sources in the Beaumont-Port Arthur Nonattainment area, 30 TAC § 117.9000

18. Use of Emission Credits to comply with applicable requirements:

    A. Unless otherwise prohibited, the permit holder may use 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) Offsets for Title 30 TAC Chapter 116

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

        (i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)(2)

        (ii) The 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 1

(iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)(2)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)

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

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

(i) Title 30 TAC Chapter 115

(ii) Title 30 TAC Chapter 117

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

(iv) Temporarily exceed state NSR permit allowables

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

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

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

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

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

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

Permit Location

20. 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)

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

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

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

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-IFRTKLRG	STORAGE TANKS/VESSELS	J-LIFRTK1, J-LIFRTK2, J-LIFRTK3, J-LIFRTK4, J-LIFRTK5	R5112-01	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 40,000 gallons, True Vapor Pressure = True vapor pressure is less than 1.0 psia
GRP-IFRTKLRG	STORAGE TANKS/VESSELS	J-LIFRTK1, J-LIFRTK2, J-LIFRTK3, J-LIFRTK4, J-LIFRTK5	R5112-02	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 40,000 gallons, True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRP-IFRTKLRG	STORAGE TANKS/VESSELS	J-LIFRTK1, J-LIFRTK2, J-LIFRTK3, J-LIFRTK4, J-LIFRTK5	R5112-03	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 40,000 gallons, True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia, Control Device Type = Other control device
GRP-IFRTKLRG	STORAGE TANKS/VESSELS	J-LIFRTK1, J-LIFRTK2, J-LIFRTK3, J-LIFRTK4, J-LIFRTK5	R5112-04	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 40,000 gallons, True Vapor Pressure = True vapor pressure is less than 1.0 psia
GRP-IFRTKLRG	STORAGE TANKS/VESSELS	J-LIFRTK1, J-LIFRTK2, J-LIFRTK3, J-LIFRTK4,	R5112-05	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		J-LIFRTK5			Capacity = Capacity is greater than 40,000 gallons, True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRP-IFRTKLRG	STORAGE TANKS/VESSELS	J-LIFRTK1, J-LIFRTK2, J-LIFRTK3, J-LIFRTK4, J-LIFRTK5	R5112-06	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 40,000 gallons, True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia, Control Device Type = Other control device
GRP-IFRTKLRG	STORAGE TANKS/VESSELS	J-LIFRTK1, J-LIFRTK2, J-LIFRTK3, J-LIFRTK4, J-LIFRTK5	60Kb-01	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum liquid (other than petroleum or condensate)
GRP-IFRTKLRG	STORAGE TANKS/VESSELS	J-LIFRTK1, J-LIFRTK2, J-LIFRTK3, J-LIFRTK4, J-LIFRTK5	60Kb-03	40 CFR Part 60, Subpart Kb	Product Stored = Volatile organic liquid
GRP-IFRTKLRG	STORAGE TANKS/VESSELS	J-LIFRTK1, J-LIFRTK2, J-LIFRTK3, J-LIFRTK4, J-LIFRTK5	60Kb-05	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer
GRP-IFRTKLRG	STORAGE TANKS/VESSELS	J-LIFRTK1, J-LIFRTK2, J-LIFRTK3, J-LIFRTK4, J-LIFRTK5	60Kb-07	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					pressure is greater than or equal to 2.0 psia
GRP-IFRTKLRG	STORAGE TANKS/VESSELS	J-LIFRTK1, J-LIFRTK2, J-LIFRTK3, J-LIFRTK4, J-LIFRTK5	63EEEE-01	40 CFR Part 63, Subpart EEEE	No changing attributes.
GRP-IFRTKMED	STORAGE TANKS/VESSELS	J-IFRTK1, J-IFRTK10, J-IFRTK11, J-IFRTK12, J-IFRTK13, J-IFRTK14, J-IFRTK15, J-IFRTK16, J-IFRTK17, J-IFRTK18, J-IFRTK19, J-IFRTK2, J-IFRTK20, J-IFRTK3, J-IFRTK4, J-IFRTK5, J-IFRTK6, J-IFRTK7, J-IFRTK8, J-IFRTK9	115BStor-01	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 40,000 gallons, True Vapor Pressure = True vapor pressure is less than 1.0 psia
GRP-IFRTKMED	STORAGE TANKS/VESSELS	J-IFRTK1, J-IFRTK10, J-IFRTK11, J-IFRTK12, J-IFRTK13, J-IFRTK14, J-IFRTK15, J-IFRTK16, J-IFRTK17, J-IFRTK18, J-IFRTK19, J-IFRTK2, J-IFRTK20, J-IFRTK3, J-IFRTK4, J-IFRTK5, J-IFRTK6, J-IFRTK7, J-IFRTK8, J-IFRTK9	115BStor-02	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 40,000 gallons, True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRP-IFRTKMED	STORAGE TANKS/VESSELS	J-IFRTK1, J-IFRTK10, J-IFRTK11, J-IFRTK12, J-IFRTK13, J-IFRTK14, J-IFRTK15, J-IFRTK16,	115BStor-03	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 40,000 gallons, True Vapor

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		J-IFRTK17, J-IFRTK18, J-IFRTK19, J-IFRTK2, J-IFRTK20, J-IFRTK3, J-IFRTK4, J-IFRTK5, J-IFRTK6, J-IFRTK7, J-IFRTK8, J-IFRTK9			Pressure = True vapor pressure is greater than or equal to 1.5 psia, Control Device Type = Other control device
GRP-IFRTKMED	STORAGE TANKS/VESSELS	J-IFRTK1, J-IFRTK10, J-IFRTK11, J-IFRTK12, J-IFRTK13, J-IFRTK14, J-IFRTK15, J-IFRTK16, J-IFRTK17, J-IFRTK18, J-IFRTK19, J-IFRTK2, J-IFRTK20, J-IFRTK3, J-IFRTK4, J-IFRTK5, J-IFRTK6, J-IFRTK7, J-IFRTK8, J-IFRTK9	115BStor-04	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 40,000 gallons, True Vapor Pressure = True vapor pressure is less than 1.0 psia
GRP-IFRTKMED	STORAGE TANKS/VESSELS	J-IFRTK1, J-IFRTK10, J-IFRTK11, J-IFRTK12, J-IFRTK13, J-IFRTK14, J-IFRTK15, J-IFRTK16, J-IFRTK17, J-IFRTK18, J-IFRTK19, J-IFRTK2, J-IFRTK20, J-IFRTK3, J-IFRTK4, J-IFRTK5, J-IFRTK6, J-IFRTK7, J-IFRTK8, J-IFRTK9	115BStor-05	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 40,000 gallons, True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRP-IFRTKMED	STORAGE TANKS/VESSELS	J-IFRTK1, J-IFRTK10, J-IFRTK11, J-IFRTK12, J-IFRTK13, J-IFRTK14, J-IFRTK15, J-IFRTK16,	115BStor-06	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 40,000 gallons, True Vapor

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		J-IFRTK17, J-IFRTK18, J-IFRTK19, J-IFRTK2, J-IFRTK20, J-IFRTK3, J-IFRTK4, J-IFRTK5, J-IFRTK6, J-IFRTK7, J-IFRTK8, J-IFRTK9			Pressure = True vapor pressure is greater than or equal to 1.5 psia, Control Device Type = Other control device
GRP-IFRTKMED	STORAGE TANKS/VESSELS	J-IFRTK1, J-IFRTK10, J-IFRTK11, J-IFRTK12, J-IFRTK13, J-IFRTK14, J-IFRTK15, J-IFRTK16, J-IFRTK17, J-IFRTK18, J-IFRTK19, J-IFRTK2, J-IFRTK20, J-IFRTK3, J-IFRTK4, J-IFRTK5, J-IFRTK6, J-IFRTK7, J-IFRTK8, J-IFRTK9	60Kb-01	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum liquid (other than petroleum or condensate)
GRP-IFRTKMED	STORAGE TANKS/VESSELS	J-IFRTK1, J-IFRTK10, J-IFRTK11, J-IFRTK12, J-IFRTK13, J-IFRTK14, J-IFRTK15, J-IFRTK16, J-IFRTK17, J-IFRTK18, J-IFRTK19, J-IFRTK2, J-IFRTK20, J-IFRTK3, J-IFRTK4, J-IFRTK5, J-IFRTK6, J-IFRTK7, J-IFRTK8, J-IFRTK9	60Kb-03	40 CFR Part 60, Subpart Kb	Product Stored = Volatile organic liquid
GRP-IFRTKMED	STORAGE TANKS/VESSELS	J-IFRTK1, J-IFRTK10, J-IFRTK11, J-IFRTK12, J-IFRTK13, J-IFRTK14, J-IFRTK15, J-IFRTK16,	60Kb-05	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		J-IFRTK17, J-IFRTK18, J-IFRTK19, J-IFRTK2, J-IFRTK20, J-IFRTK3, J-IFRTK4, J-IFRTK5, J-IFRTK6, J-IFRTK7, J-IFRTK8, J-IFRTK9			transfer
GRP-IFRTKMED	STORAGE TANKS/VESSELS	J-IFRTK1, J-IFRTK10, J-IFRTK11, J-IFRTK12, J-IFRTK13, J-IFRTK14, J-IFRTK15, J-IFRTK16, J-IFRTK17, J-IFRTK18, J-IFRTK19, J-IFRTK2, J-IFRTK20, J-IFRTK3, J-IFRTK4, J-IFRTK5, J-IFRTK6, J-IFRTK7, J-IFRTK8, J-IFRTK9	60Kb-07	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
GRP-IFRTKMED	STORAGE TANKS/VESSELS	J-IFRTK1, J-IFRTK10, J-IFRTK11, J-IFRTK12, J-IFRTK13, J-IFRTK14, J-IFRTK15, J-IFRTK16, J-IFRTK17, J-IFRTK18, J-IFRTK19, J-IFRTK2, J-IFRTK20, J-IFRTK3, J-IFRTK4, J-IFRTK5, J-IFRTK6, J-IFRTK7, J-IFRTK8, J-IFRTK9	63EEEE-01	40 CFR Part 63, Subpart EEEE	No changing attributes.
J-1A	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-01	40 CFR Part 60, Subpart Dc	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
J-1A	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
J-1B	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-01	40 CFR Part 60, Subpart Dc	No changing attributes.
J-1B	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
J-1C	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-01	40 CFR Part 60, Subpart Dc	No changing attributes.
J-1C	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
J-2A	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-01	40 CFR Part 60, Subpart Dc	No changing attributes.
J-2A	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
J-FUG	FUGITIVE EMISSION UNITS	N/A	63EEEE-01	40 CFR Part 63, Subpart EEEE	No changing attributes.
J-FWP1	SRIC ENGINES	N/A	60IIII-01	40 CFR Part 60, Subpart IIII	No changing attributes.
J-FWP1	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63,	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
				Subpart ZZZZ	
J-FWP2	SRIC ENGINES	N/A	60IIII-01	40 CFR Part 60, Subpart IIII	No changing attributes.
J-FWP2	SRIC ENGINES	N/A	63ZZZZ-01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
J-HTR1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-01	40 CFR Part 60, Subpart Dc	No changing attributes.
J-HTR1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
J-MARINE	LOADING/UNLOADING OPERATIONS	N/A	61BB-01	40 CFR Part 61, Subpart BB	No changing attributes.
J-MARINE	LOADING/UNLOADING OPERATIONS	N/A	63Y-01	40 CFR Part 63, Subpart Y	Material Loaded = Crude oil., Throughput = Source with throughput of 10 M barrels or 200 M barrels.
J-MARINE	LOADING/UNLOADING OPERATIONS	N/A	63Y-02	40 CFR Part 63, Subpart Y	Material Loaded = Material other than crude oil or gasoline.
J-RAIL	LOADING/UNLOADING OPERATIONS	N/A	115CLoad-01	30 TAC Chapter 115, Loading and Unloading of VOC	True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia., Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized., Chapter 115 Control

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					Device Type = Vapor control system with a vapor combustor., Control Options = Vapor control system that maintains a control efficiency of at least 90%., Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.
J-RAIL	LOADING/UNLOADING OPERATIONS	N/A	115CLoad-02	30 TAC Chapter 115, Loading and Unloading of VOC	True Vapor Pressure = True vapor pressure less than 0.5 psia.
J-RAIL	LOADING/UNLOADING OPERATIONS	N/A	61BB-01	40 CFR Part 61, Subpart BB	No changing attributes.
J-RAIL	LOADING/UNLOADING OPERATIONS	N/A	63EEEE-01	40 CFR Part 63, Subpart EEEE	No changing attributes.
J-TRUCK	LOADING/UNLOADING OPERATIONS	N/A	115CLoad-01	30 TAC Chapter 115, Loading and Unloading of VOC	True Vapor Pressure = True vapor pressure less than 0.5 psia.
J-TRUCK	LOADING/UNLOADING OPERATIONS	N/A	115CLoad-02	30 TAC Chapter 115, Loading and Unloading of VOC	True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia., Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(A) or 30 TAC § 115.217(b)(3)(A) exemption is not utilized., Chapter 115 Control

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					Device Type = No control device., Control Options = Vapor balance system., Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.
J-TRUCK	LOADING/UNLOADING OPERATIONS	N/A	63EEEE-01	40 CFR Part 63, Subpart EEEE	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)
GRP-IFRTKLRG	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
GRP-IFRTKLRG	EU	R5112-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
GRP-IFRTKLRG	EU	R5112-03	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B) § 115.118(a)(3)
GRP-IFRTKLRG	EU	R5112-04	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
GRP-IFRTKLRG	EU	R5112-05	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	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)
GRP-IFRTKLRG	EU	R5112-06	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B) § 115.118(a)(3)
GRP-IFRTKLRG	EU	60Kb-01	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 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) [G]§ 60.113b(a)(3) § 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)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4)
GRP-IFRTKLRG	EU	60Kb-03	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 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) [G]§ 60.113b(a)(3) § 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)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4)
GRP-IFRTKLRG	EU	60Kb-05	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 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)	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) [G]§ 60.113b(a)(3) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(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)
					§ 60.112b(a)(1)(viii)		[G]§ 60.116b(e)(3)		
GRP-IFRTKLRG	EU	60Kb-07	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 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) [G]§ 60.113b(a)(3) § 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)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4)
GRP-IFRTKLRG	EU	63EEEE-01	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2338(b) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart EEEE
GRP-IFRTKMED	EU	115BStor-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
GRP-IFRTKMED	EU	115BStor-02	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	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)
GRP-IFRTKMED	EU	115BStor-03	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B) § 115.118(a)(3)
GRP-IFRTKMED	EU	115BStor-04	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
GRP-IFRTKMED	EU	115BStor-05	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
GRP-IFRTKMED	EU	115BStor-06	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B) § 115.118(a)(3)
GRP-IFRTKMED	EU	60Kb-01	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 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	§ 60.113b(a)(1) [G]§ 60.113b(a)(3) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(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)
					§ 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	listed in §60.112b(a)(1)(i)-(ix).	§ 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)		
GRP-IFRTKMED	EU	60Kb-03	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 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) [G]§ 60.113b(a)(3) § 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)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4)
GRP-IFRTKMED	EU	60Kb-05	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 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) [G]§ 60.113b(a)(3) § 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)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4)
GRP-IFRTKMED	EU	60Kb-07	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 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) [G]§ 60.113b(a)(3) § 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)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4)
GRP-IFRTKMED	EU	63EEEE-01	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2338(b) The permit holder	The permit holder shall comply with the applicable	The permit holder shall comply with the	The permit holder shall comply with the	The permit holder shall comply with the

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)
					shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart EEEE	requirements of 40 CFR Part 63, Subpart EEEE	applicable monitoring and testing requirements of 40 CFR Part 63, Subpart EEEE	applicable recordkeeping requirements of 40 CFR Part 63, Subpart EEEE	applicable reporting requirements of 40 CFR Part 63, Subpart EEEE
J-1A	EU	60Dc-01	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
J-1A	EU	60Dc-01	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
J-1A	EU	60Dc-01	PM (OPACITY)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
J-1A	EU	63DDDDD-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and	The permit holder shall comply with the applicable recordkeeping	The permit holder shall comply with the applicable reporting requirements of 40 CFR

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)
					limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD		testing requirements of 40 CFR Part 63, Subpart DDDDD	requirements of 40 CFR Part 63, Subpart DDDDD	Part 63, Subpart DDDDD
J-1B	EU	60Dc-01	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
J-1B	EU	60Dc-01	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
J-1B	EU	60Dc-01	PM (OPACITY)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
J-1B	EU	63DDDDD-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63,	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

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)
					specification requirements of 40 CFR Part 63, Subpart DDDDD		Subpart DDDDD	DDDDD	
J-1C	EU	60Dc-01	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
J-1C	EU	60Dc-01	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
J-1C	EU	60Dc-01	PM (OPACITY)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
J-1C	EU	63DDDDD-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

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)
					CFR Part 63, Subpart DDDDD				
J-2A	EU	60Dc-01	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
J-2A	EU	60Dc-01	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
J-2A	EU	60Dc-01	PM (OPACITY)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
J-2A	EU	63DDDDD-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

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)
J-FUG	EU	63EEEE-01	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2338(b) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart EEEE
J-FWP1	EU	60IIII-01	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 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.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
J-FWP1	EU	60IIII-01	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 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	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						4 to this subpart.			
J-FWP1	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the 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
J-FWP2	EU	60IIII-01	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 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.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
J-FWP2	EU	60IIII-01	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206	Owners and operators of emergency stationary fire	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as listed in Table 4 to this subpart.			
J-FWP2	EU	63ZZZZ-01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the 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
J-HTR1	EU	60Dc-01	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						megawatts (MW).			
J-HTR1	EU	60Dc-01	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
J-HTR1	EU	60Dc-01	PM (OPACITY)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
J-HTR1	EU	63DDDDD-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
J-MARINE	EU	61BB-01	BENZENE	40 CFR Part 61, Subpart BB	§ 61.300(b)	Any affected facility as per § 61.300(a), loading only liquid containing < 70 weight-percent benzene is exempt from this subpart, except for the recordkeeping and reporting in § 61.305(i).	None	[G]§ 61.305(i)	[G]§ 61.305(i)

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)
J-MARINE	EU	63Y-01	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) § 63.567(j)(4) [G]§ 63.567(k)	[G]§ 63.562(b)(6) § 63.562(e)(7)(ii) § 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)
J-MARINE	EU	63Y-01	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)	RACT standards, except 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)	§ 63.562(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) § 63.567(j)(4) [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(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(l)		
J-MARINE	EU	63Y-02	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) § 63.567(j)(4) [G]§ 63.567(k)	[G]§ 63.562(b)(6) § 63.562(e)(7)(ii) § 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)
J-RAIL	EU	115CLoad-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.212(a)(1) § 115.212(a)(1)(A) § 115.212(a)(2) § 115.212(a)(3)(A) § 115.212(a)(3)(A)(i) § 115.212(a)(3)(B) [G]§ 115.212(a)(3)(C) § 115.212(a)(3)(D) § 115.212(a)(3)(E) § 115.214(a)(1)(B) § 115.214(a)(1)(C)	At operations other than gasoline terminals, gasoline bulk plants, and marine terminals, vapors of VOC with a true vapor pressure greater than or equal to 0.5 psia must be controlled by one of the specified methods.	§ 115.212(a)(3)(B) § 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.214(a)(1)(A)(ii) § 115.214(a)(1)(A)(iii) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) § 115.215(4) § 115.215(9) § 115.216(1) § 115.216(1)(A) § 115.216(1)(A)(iv) ** See CAM Summary	§ 115.216 § 115.216(1) § 115.216(1)(A) § 115.216(1)(A)(iv) § 115.216(2) § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 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)
J-RAIL	EU	115CLoad-02	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
J-RAIL	EU	61BB-01	BENZENE	40 CFR Part 61, Subpart BB	§ 61.300(b)	Any affected facility as per § 61.300(a), loading only liquid containing < 70 weight-percent benzene is exempt from this subpart, except for the recordkeeping and reporting in § 61.305(i).	None	[G]§ 61.305(i)	[G]§ 61.305(i)
J-RAIL	EU	63EEEE-01	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2338(b) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart EEEE
J-TRUCK	EU	115CLoad-01	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 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)
J-TRUCK	EU	115CLoad-02	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.212(a)(3) § 115.212(a)(2) § 115.212(a)(3)(A) § 115.212(a)(3)(A)(i) § 115.212(a)(3)(B) [G]§ 115.212(a)(3)(C) § 115.212(a)(3)(D) § 115.214(a)(1)(B) § 115.214(a)(1)(C)	All land-based VOC transfer to or from transport vessels shall be conducted in the manner specified for leak-free operations.	§ 115.212(a)(3)(B) § 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.214(a)(1)(A)(ii) § 115.214(a)(1)(A)(iii)	§ 115.216 § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(iii)	None
J-TRUCK	EU	63EEEE-01	112(B) HAPS	40 CFR Part 63, Subpart EEEE	§ 63.2338(b) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart EEEE	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart EEEE

Additional Monitoring Requirements

CAM Summary

Unit/Group/Process Information	
ID No.: J-RAIL	
Control Device ID No.: J-VCU	Control Device Type: Vapor Combustor
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Loading and Unloading of VOC	SOP Index No.: 115CLoad-01
Pollutant: VOC	Main Standard: § 115.212(a)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: It shall be considered a deviation if combustion temperature falls below 1500°F.	
CAM Text: The monitoring device should be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: ± 2% of reading; or ± 2.5 degrees Celsius.	

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		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-IFRTKLRG	J-LIFRTK1, J-LIFRTK2, J-LIFRTK3, J-LIFRTK4, J-LIFRTK5	40 CFR Part 60, Subpart OOOO	Units are not located in the oil and natural gas production segment, natural gas processing segment or natural gas transmission and storage segment.
GRP-IFRTKMED	J-IFRTK1, J-IFRTK10, J-IFRTK11, J-IFRTK12, J-IFRTK13, J-IFRTK14, J-IFRTK15, J-IFRTK16, J-IFRTK17, J-IFRTK18, J-IFRTK19, J-IFRTK2, J-IFRTK20, J-IFRTK3, J-IFRTK4, J-IFRTK5, J-IFRTK6, J-IFRTK7, J-IFRTK8, J-IFRTK9	40 CFR Part 60, Subpart OOOO	Units are not located in the oil and natural gas production segment, natural gas processing segment or natural gas transmission and storage segment.
J-1A	N/A	30 TAC Chapter 117, Subchapter B	New unit placed into service after November 15, 1992 and is not a functionally identical replacement for an existing unit.
J-1A	N/A	40 CFR Part 60, Subpart Da	The unit is less than 250 MMBTU/hr maximum heat input.
J-1A	N/A	40 CFR Part 60, Subpart Db	The unit is less than 100 MMBTU/hr maximum heat input.
J-1B	N/A	30 TAC Chapter 117, Subchapter B	New unit placed into service after November 15, 1992 and is not a functionally identical replacement for an existing unit.
J-1B	N/A	40 CFR Part 60, Subpart Da	The unit is less than 250 MMBTU/hr maximum heat input.

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		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
J-1B	N/A	40 CFR Part 60, Subpart Db	The unit is less than 100 MMBTU/hr maximum heat input.
J-1C	N/A	30 TAC Chapter 117, Subchapter B	New unit placed into service after November 15, 1992 and is not a functionally identical replacement for an existing unit.
J-1C	N/A	40 CFR Part 60, Subpart Da	The unit is less than 250 MMBTU/hr maximum heat input.
J-1C	N/A	40 CFR Part 60, Subpart Db	The unit is less than 100 MMBTU/hr maximum heat input.
J-2A	N/A	30 TAC Chapter 117, Subchapter B	Unit is an industrial boiler with a maximum rate capacity of less than 40 MMBtu/hr.
J-2A	N/A	40 CFR Part 60, Subpart Da	The unit is less than 250 MMBTU/hr maximum heat input.
J-2A	N/A	40 CFR Part 60, Subpart Db	The unit is less than 100 MMBTU/hr maximum heat input.
J-FUG	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Fugitives are not part of a petroleum refinery, natural gas/gasoline processing operation or a synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process.
J-FUG	N/A	40 CFR Part 60, Subpart OOOO	Units are not assembled for the extraction of natural gas liquids from field gas or fractionation of mixed natural gas liquids to natural gas

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		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			products and therefore do not meet the definition of equipment at an onshore natural gas processing plant.
J-FWP1	N/A	30 TAC Chapter 117, Subchapter B	New unit placed into service after November 15, 1992 and is not a functionally identical replacement for an existing unit.
J-FWP2	N/A	30 TAC Chapter 117, Subchapter B	New unit placed into service after November 15, 1992 and is not a functionally identical replacement for an existing unit.
J-FXHO1	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank capacity is less than 1000 gallons.
J-FXHO1	N/A	40 CFR Part 60, Subpart Kb	Unit storage capacity is less than 75m3 (19,800 gallons).
J-FXHO1	N/A	40 CFR Part 60, Subpart OOOO	Unit is not located in the oil and natural gas production segment, natural gas processing segment or natural gas transmission and storage segment.
J-FXHO1	N/A	40 CFR Part 63, Subpart EEEE	Unit does not store organic liquid as defined in §63.2406.
J-HTR1	N/A	30 TAC Chapter 117, Subchapter B	New unit placed into service after November 15, 1992 and is not a functionally identical replacement for an existing unit.

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		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
J-HTR1	N/A	40 CFR Part 60, Subpart Da	The unit is less than 250 MMBTU/hr maximum heat input.
J-HTR1	N/A	40 CFR Part 60, Subpart Db	The unit is less than 100 MMBTU/hr maximum heat input.
J-MARINE	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	All loading and unloading of marine vessels in ozone nonattainment areas other than the Houston/Galveston area are exempt.
J-MARINE	N/A	40 CFR Part 63, Subpart EEEE	Units associated with marine loading are part of an affected source complying with another 40 CFR Part 63 subpart.
J-TRUCK	N/A	40 CFR Part 61, Subpart BB	Truck unloading operations are not included as an affected source.

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.: GHGPSDTX108	Issuance Date: 11/06/2015
PSD Permit No.: PSDTX1408	Issuance Date: 11/06/2015
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.: 118901	Issuance Date: 11/06/2015
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.352	Version No./Date: 11/22/2012
Number: 106.359	Version No./Date: 09/10/2013
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001

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
J-1A	BOILER 1	118901, GHGPSDTX108, PSDTX1408
J-1B	BOILER 2	118901, GHGPSDTX108, PSDTX1408
J-1C	BOILER 3	118901, GHGPSDTX108, PSDTX1408
J-2A	SMALL BOILER	118901, GHGPSDTX108, PSDTX1408
J-FUG	FUGITIVE EMISSIONS	118901, GHGPSDTX108, PSDTX1408
J-FWP1	FIRE WATER PUMP 1	118901, GHGPSDTX108, PSDTX1408
J-FWP2	FIRE WATER PUMP 2	118901, GHGPSDTX108, PSDTX1408
J-FXHO1	HOT OIL TANK 1	118901, GHGPSDTX108, PSDTX1408
J-HTR1	HOT OIL HEATER 1	118901, GHGPSDTX108, PSDTX1408
J-IFRTK10	MEDIUM INTERNAL FLOATING ROOF TANK 10	118901, GHGPSDTX108, PSDTX1408
J-IFRTK11	MEDIUM INTERNAL FLOATING ROOF TANK 11	118901, GHGPSDTX108, PSDTX1408
J-IFRTK12	MEDIUM INTERNAL FLOATING ROOF TANK 12	118901, GHGPSDTX108, PSDTX1408
J-IFRTK13	MEDIUM INTERNAL FLOATING ROOF TANK 13	118901, GHGPSDTX108, PSDTX1408
J-IFRTK14	MEDIUM INTERNAL FLOATING ROOF TANK 14	118901, GHGPSDTX108, PSDTX1408
J-IFRTK15	MEDIUM INTERNAL FLOATING ROOF TANK 15	118901, GHGPSDTX108, PSDTX1408
J-IFRTK16	MEDIUM INTERNAL FLOATING ROOF TANK 16	118901, GHGPSDTX108, PSDTX1408
J-IFRTK17	MEDIUM INTERNAL FLOATING ROOF TANK 17	118901, GHGPSDTX108, PSDTX1408
J-IFRTK18	MEDIUM INTERNAL FLOATING ROOF TANK 18	118901, GHGPSDTX108, PSDTX1408

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
J-IFRTK19	MEDIUM INTERNAL FLOATING ROOF TANK 19	118901, GHGPSDTX108, PSDTX1408
J-IFRTK1	MEDIUM INTERNAL FLOATING ROOF TANK 1	118901, GHGPSDTX108, PSDTX1408
J-IFRTK20	MEDIUM INTERNAL FLOATING ROOF TANK 20	118901, GHGPSDTX108, PSDTX1408
J-IFRTK2	MEDIUM INTERNAL FLOATING ROOF TANK 2	118901, GHGPSDTX108, PSDTX1408
J-IFRTK3	MEDIUM INTERNAL FLOATING ROOF TANK 3	118901, GHGPSDTX108, PSDTX1408
J-IFRTK4	MEDIUM INTERNAL FLOATING ROOF TANK 4	118901, GHGPSDTX108, PSDTX1408
J-IFRTK5	MEDIUM INTERNAL FLOATING ROOF TANK 5	118901, GHGPSDTX108, PSDTX1408
J-IFRTK6	MEDIUM INTERNAL FLOATING ROOF TANK 6	118901, GHGPSDTX108, PSDTX1408
J-IFRTK7	MEDIUM INTERNAL FLOATING ROOF TANK 7	118901, GHGPSDTX108, PSDTX1408
J-IFRTK8	MEDIUM INTERNAL FLOATING ROOF TANK 8	118901, GHGPSDTX108, PSDTX1408
J-IFRTK9	MEDIUM INTERNAL FLOATING ROOF TANK 9	118901, GHGPSDTX108, PSDTX1408
J-LIFRTK1	LARGE INTERNAL FLOATING ROOF TANK 1	118901, GHGPSDTX108, PSDTX1408
J-LIFRTK2	LARGE INTERNAL FLOATING ROOF TANK 2	118901, GHGPSDTX108, PSDTX1408
J-LIFRTK3	LARGE INTERNAL FLOATING ROOF TANK 3	118901, GHGPSDTX108, PSDTX1408
J-LIFRTK4	LARGE INTERNAL FLOATING ROOF TANK 4	118901, GHGPSDTX108, PSDTX1408
J-LIFRTK5	LARGE INTERNAL FLOATING ROOF TANK 5	118901, GHGPSDTX108, PSDTX1408
J-MARINE	MARINE LOADING	118901, GHGPSDTX108, PSDTX1408
J-RAIL	RAIL LOADING/UNLOADING	118901, GHGPSDTX108, PSDTX1408

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
J-TRUCK	TRUCK UNLOADING	118901, GHGPSDTX108, PSDTX1408

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
COMS ..... continuous opacity monitoring system
CVS ..... closed-vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
DR ..... Designated Representative
ElP ..... El Paso (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
GF ..... grandfathered
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
MMBtu/hr ..... Million British thermal units per hour
MRRT ..... monitoring, recordkeeping, reporting, and testing
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
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
PM ..... particulate matter
ppmv ..... parts per million by volume
PSD ..... prevention of significant deterioration
RO ..... Responsible Official
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: 118901; PSDTX1408				**Issuance Date:** 11/06/15			
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)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
1A	Boiler 1	NO_x	1.06	see BOILERCAP	3, 4, 28	3, 4, 38, 19, 28	3, 4, 28
		CO	3.46		3, 4, 28	3, 4, 38, 19, 28	3, 4, 28
		VOC	0.52			3, 4, 38, 19	
		PM	0.71		3, 4, 19	3, 4, 38, 19	
		PM_{10}	0.71		3, 4, 19	3, 4, 38, 19	
		$PM_{2.5}$	0.71		3, 4, 19	3, 4, 38, 19	
		SO_2	0.57			3, 4, 38, 19	
1B	Boiler 2	NO_x	1.06	see BOILERCAP	3, 4, 28	3, 4, 38, 19, 28	3, 4, 28
		CO	3.46		3, 4, 28	3, 4, 38, 19, 28	3, 4, 28
		VOC	0.52			3, 4, 38, 19	
		PM	0.71		3, 4, 19	3, 4, 38, 19	
		PM_{10}	0.71		3, 4, 19	3, 4, 38, 19	
		$PM_{2.5}$	0.71		3, 4, 19	3, 4, 38, 19	
		SO_2	0.57			3, 4, 38, 19	
1C	Boiler 3	NO_x	1.06	see BOILERCAP	3, 4, 28	3, 4, 38, 19, 28	3, 4, 28
		CO	3.46		3, 4, 28	3, 4, 38, 19, 28	3, 4, 28
		VOC	0.52			3, 4, 38, 19	
		PM	0.71		3, 4, 19	3, 4, 38, 19	
		PM_{10}	0.71		3, 4, 19	3, 4, 38, 19	
		$PM_{2.5}$	0.71		3, 4, 19	3, 4, 38, 19	
		SO_2	0.57			3, 4, 38, 19	
BOILERCAP	Boiler 1A to 1C Cap	NO_x	3.17	11.11	3, 4, 28	3, 4, 38, 19, 28	3, 4, 28
		CO	10.37	36.35	3, 4, 28	3, 4, 38, 19, 28	3, 4, 28
		VOC	1.55	5.42		3, 4, 38, 19	
		PM	2.14	7.49	3, 4, 19	3, 4, 38, 19	

Major NSR Summary Table

Permit Number: 118901; PSDTX1408					**Issuance Date:** 11/06/15		
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)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
		PM_{10}	2.14	7.49	3, 4, 19	3, 4, 38, 19	
		$PM_{2.5}$	2.14	7.49	3, 4, 19	3, 4, 38, 19	
		SO_2	1.72	6.04		3, 4, 38, 19	
2A	Small Boiler	NO_x	1.32	5.78		3, 4, 38, 19	
		CO	0.48	2.09		3, 4, 38, 19	
		VOC	0.07	0.31		3, 4, 38, 19	
		PM	0.10	0.43	3, 4, 19	3, 4, 38, 19	
		PM_{10}	0.10	0.43	3, 4, 19	3, 4, 38, 19	
		$PM_{2.5}$	0.10	0.43	3, 4, 19	3, 4, 38, 19	
		SO_2	0.08	0.35		3, 4, 38, 19	
HTR1	Hot Oil Heater 1	NO_x	1.42	6.24		38, 19	
		CO	1.45	6.33		38, 19	
		VOC	0.22	0.94		38, 19	
		PM	0.30	1.31	19	38, 19	
		PM_{10}	0.30	1.31	19	38, 19	
		$PM_{2.5}$	0.30	1.31	19	38, 19	
		SO_2	0.24	1.05		38, 19	
SHIP FUG	Ship Dock Fugitives	VOC	410.89	755.88	7, 12	11, 12, 38	
		TRS/H_2S	0.72	1.32	7, 12	11, 12, 38	
VAPCOMB1	Vapor Combustor 1	NO_x	21.69	see VAPCOMBCAP	8, 13, 15, 16, 18, 28	8, 10, 11, 12, 15, 18, 38, 28	28
		CO	39.84		8, 13, 15, 16, 18, 28	8, 10, 11, 12, 15,18, 38, 28	28
		VOC	72.30		8, 13, 15, 16, 18, 28	8, 10, 11, 12, 15, 18, 38, 28	28
		TRS/H_2S	0.05		8, 13, 15, 16, 18	8, 10, 11, 12, 15, 18,38	
		PM	1.08		8, 13, 15, 19, 16, 18	8, 10, 11, 12, 15, 16, 18, 38	
		PM_{10}	1.08		8, 13, 15, 19, 16, 18	8, 10, 11, 12, 15, 16, 18, 38	

Major NSR Summary Table

Permit Number: 118901; PSDTX1408					**Issuance Date:** 11/06/15		
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)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
		$PM_{2.5}$	1.08		8, 13, 15, 19, 16, 18	8, 10, 11, 12, 15, 16, 18, 38	
		SO_2	8.98		8, 13, 15, 28, 16, 18	8, 10, 11, 12, 15, 16, 18, 28, 38	28
VAPCOMB2	Vapor Combustor 2	NO_x	21.69	see VAPCOMBCAP	8, 13, 15, 16, 18, 28	8, 10, 11, 12, 15, 16, 18, 38, 28	28
		CO	39.84		8, 13, 15, 16, 18, 28	8, 10, 11, 12, 15, 18,38	28
		VOC	72.30		8, 13, 15, 16, 18, 28	8, 10, 11, 12, 15, 18,38, 28	28
		TRS/H_2S	0.05		8, 13, 15, 16, 18	8, 10, 11, 12, 15, 18,38	
		PM	1.08		8, 13, 15, 19, 16, 18	8, 10, 11, 12, 15, 18,38	
		PM_{10}	1.08		8, 13, 15, 19, 16, 18	8, 10, 11, 12, 15, 16, 18, 38	
		$PM_{2.5}$	1.08		8, 13, 15, 19, 16, 18	8, 10, 11, 12, 15, 16, 18, 38	
		SO_2	8.98		8, 13, 15, 28, 16, 18	8, 10, 11, 12, 15, 16, 18, 38, 28	28
VAPCOMB3	Vapor Combustor 3	NO_x	21.69	see VAPCOMBCAP	8, 13, 15, 16, 18, 28	8, 10, 11, 12, 15, 18,38, 28	28
		CO	39.84		8, 13, 15, 16, 18, 28	8, 10, 11, 12, 15, 18,38, 28	28
		VOC	72.30		8, 13, 15, 16, 18, 28	8, 10, 11, 12, 15, 18,38, 28	28
		TRS/H_2S	0.05		8, 13, 15, 16, 18	8, 10, 11, 12, 15, 16, 18, 38	
		PM	1.08		8, 13, 15, 19, 16, 18	8, 10, 11, 12, 15, 16, 18, 38	
		PM_{10}	1.08		8, 13, 15, 19, 16, 18	8, 10, 11, 12, 15, 16, 18, 38	
		$PM_{2.5}$	1.08		8, 13, 15, 19, 16, 18	8, 10, 11, 12, 15, 16, 18, 38	
		SO_2	8.98		8, 13, 15, 28, 16, 18	8, 10, 11, 12, 15, 16, 18, 38, 28	28
VAPCOMBCAP	Emissions Cap for Vapor Combustors 1-3	NO_x		228.01	8, 13, 28, 16, 18	8, 10, 11, 12, 15, 16, 18,38, 28	28
		CO		418.77	8, 13, 28, 16, 18	8, 10, 11, 12, 15, 16, 18,38, 28	28
		VOC		660.32	8, 13, 28, 16, 18	8, 10, 11, 12, 15, 16, 18,38, 28	28
		TRS/H_2S		0.51	8, 13, 16, 18	8, 10, 11, 12, 15, 16, 18,38	

Major NSR Summary Table

Permit Number: 118901; PSDTX1408					**Issuance Date:** 11/06/15		
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)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
		PM		11.40	8, 13, 19, 16, 18	8, 10, 11, 12, 15, 16, 18,38	
		PM_{10}		11.40	8, 13, 19, 16, 18	8, 10, 11, 12, 15, 16, 18,38	
		$PM_{2.5}$		11.40	8, 13, 19, 16, 18	8, 10, 11, 12, 15, 16, 18,38	
		SO_2		96.78	8, 13, 28, 16, 18	8, 10, 11, 12, 15, 16, 18,38, 28	28
TCOMB1	Temporary Control Unit 1	NO_x	2.13	see TCOMBCAP		33, 37, 38	
		CO	1.23			33, 37, 38	
		VOC	7.47		37	33, 37, 38	
		TRS/H_2S	<0.01			33, 37, 38	
		PM	0.12		19	33, 37, 38	
		PM_{10}	0.12		19	33, 37, 38	
		$PM_{2.5}$	0.12		19	33, 37, 38	
		SO_2	0.08			33, 37, 38	
TCOMB2	Temporary Control Unit 2	NO_x	2.13	see TCOMBCAP		33, 37, 38	
		CO	1.23			33, 37, 38	
		VOC	7.47		37	33, 37, 38	
		TRS/H_2S	<0.01			33, 37, 38	
		PM	0.12		19	33, 37, 38	
		PM_{10}	0.12		19	33, 37, 38	
		$PM_{2.5}$	0.12		19	33, 37, 38	
		SO_2	0.08			33, 37, 38	
TCOMB3	Temporary Control Unit 3	NO_x	2.13	see TCOMBCAP		33, 37, 38	
		CO	1.23			33, 37, 38	
		VOC	7.47		37	33, 37, 38	
		TRS/H_2S	<0.01			33, 37, 38	
		PM	0.12		19	33, 37, 38	

Major NSR Summary Table

Permit Number: 118901; PSDTX1408					**Issuance Date:** 11/06/15		
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)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
		PM_{10}	0.12		19	33, 37, 38	
		$PM_{2.5}$	0.12		19	33, 37, 38	
		SO_2	0.08			33, 37, 38	
TCOMB4	Temporary Control Unit 4	NO_x	2.13	see TCOMBCAP		33, 37, 38	
		CO	1.23			33, 37, 38	
		VOC	7.47		37	33, 37, 38	
		TRS/H_2S	<0.01			33, 37, 38	
		PM	0.12		19	33, 37, 38	
		PM_{10}	0.12		19	33, 37, 38	
		$PM_{2.5}$	0.12		19	33, 37, 38	
		SO_2	0.08			33, 37, 38	
TCOMB5	Temporary Control Unit 5	NO_x	2.13	see TCOMBCAP		33, 37, 38	
		CO	1.23			33, 37, 38	
		VOC	7.47		37	33, 37, 38	
		TRS/H_2S	<0.01			33, 37, 38	
		PM	0.12		19	33, 37, 38	
		PM_{10}	0.12		19	33, 37, 38	
		$PM_{2.5}$	0.12		19	33, 37, 38	
		SO_2	0.08			33, 37, 38	
TCOMBCAP	Temporary Control Units Caps	NO_x	see TCOMB1 to TCOMB5	20.19		33, 37, 38	
		CO		11.65		33, 37, 38	
		VOC		34.53	37	33, 37, 38	
		TRS/H_2S		0.02		33, 37, 38	
		PM		1.09	19	33, 37, 38	
		PM_{10}		1.09	19	33, 37, 38	
		$PM_{2.5}$		1.09	19	33, 37, 38	

Major NSR Summary Table

Permit Number: 118901; PSDTX1408					**Issuance Date:** 11/06/15		
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)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
		SO_2		3.35		33, 37, 38	
IFRTK-LND	Large and Medium Internal Floating Roof Landing	VOC	34.27	See EPN: FRCAP	32, 37	33, 37, 38	
		TRS/H_2S	0.02		32, 37	33, 37, 38	
IFRTK1	Medium Internal Floating Roof Tank 1	VOC	3.72	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
IFRTK2	Medium Internal Floating Roof Tank 2	VOC	3.72	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
IFRTK3	Medium Internal Floating Roof Tank 3	VOC	3.72	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
IFRTK4	Medium Internal Floating Roof Tank 4	VOC	3.72	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
IFRTK5	Medium Internal Floating Roof Tank 5	VOC	3.72	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
IFRTK6	Medium Internal Floating Roof Tank 6	VOC	3.72	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
IFRTK7	Medium Internal Floating Roof Tank 7	VOC	3.72	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
IFRTK8	Medium Internal Floating Roof Tank 8	VOC	3.72	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
IFRTK9	Medium Internal Floating Roof Tank 9	VOC	3.72	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
IFRTK10	Medium Internal Floating Roof Tank 10	VOC	3.72	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3

Major NSR Summary Table

Permit Number: 118901; PSDTX1408				**Issuance Date:** 11/06/15			
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)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
IFRTK11	Medium Internal Floating Roof Tank 11	VOC	3.72	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
IFRTK12	Medium Internal Floating Roof Tank 12	VOC	3.72	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
IFRTK13	Medium Internal Floating Roof Tank 13	VOC	3.72	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
IFRTK14	Medium Internal Floating Roof Tank 14	VOC	3.72	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
IFRTK15	Medium Internal Floating Roof Tank 15	VOC	3.72	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
IFRTK16	Medium Internal Floating Roof Tank 16	VOC	3.72	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
IFRTK17	Medium Internal Floating Roof Tank 17	VOC	3.72	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
IFRTK18	Medium Internal Floating Roof Tank 18	VOC	3.72	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
IFRTK19	Medium Internal Floating Roof Tank 19	VOC	3.74	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
IFRTK20	Medium Internal Floating Roof Tank 20	VOC	3.74	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
LIFRTK1	Large Internal Floating Roof Tank 1	VOC	6.16	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
LIFRTK2	Large Internal	VOC	6.16	See EPN:	3, 26, 23, 24	3, 23, 26, 38	3

Major NSR Summary Table

Permit Number: 118901; PSDTX1408				**Issuance Date:** 11/06/15			
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)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
	Floating Roof Tank 2	TRS/H_2S	<0.01	FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
LIFRTK3	Large Internal Floating Roof Tank 3	VOC	5.90	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
LIFRTK4	Large Internal Floating Roof Tank 4	VOC	5.90	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
LIFRTK5	Large Internal Floating Roof Tank 5	VOC	5.90	See EPN: FRCAP	3, 26, 23, 24	3, 23, 26, 38	3
		TRS/H_2S	<0.01		3, 26, 23, 24	3, 23, 26, 38	3
FRCAP	Emissions Cap for Floating Roof Tanks	VOC	See IFRTK1-20, LIFRTK1-5, & IFRTK-LND	289.13	26, 23, 24	23, 26, 38	
		TRS/H_2S		0.17	26, 23, 24	23, 26, 38	
FXHO1	Hot Oil Tank 1	VOC	<0.01	<0.01		23, 26, 38	
FWP1	Fire Water Pump 1	NO_x	1.82	0.05		3, 4, 20, 38	3
		CO	0.27	0.01		3, 4, 20, 38	3, 4
		VOC	0.07	<0.01		3, 4, 38	3, 4
		PM	0.04	<0.01	3,4	3, 4, 38	3
		PM_{10}	0.04	<0.01	3, 4	3, 4, 38	3
		$PM_{2.5}$	0.04	<0.01	3, 4	3, 4, 38	3
		SO_2	0.63	0.02		3, 4, 38	3
FWP2	Fire Water Pump 2	NO_x	1.82	0.05		3, 4, 20, 38	3
		CO	0.27	0.01		3, 4, 20, 38	3, 4
		VOC	0.07	<0.01		3, 4, 38	3, 4
		PM	0.04	<0.01	3, 4	3, 4, 38	3
		PM_{10}	0.04	<0.01	3, 4	3, 4, 38	3
		$PM_{2.5}$	0.04	<0.01	3, 4	3, 4, 38	3
		SO_2	0.63	0.02		3, 4, 38	3

Major NSR Summary Table

Permit Number: 118901; PSDTX1408				**Issuance Date:** 11/06/15			
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)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
FUG	Fugitive Emissions (5)	VOC	4.07	17.83	6, 27	6, 27, 38	27
		TRS/H_2S	<0.01	0.01	6, 27	6, 27, 38	27
MSS	MSS Activities	VOC	60.90	2.02	32, 37	30, 31, 32, 35, 37, 38	
		TRS/H_2S	0.03	<0.01	32, 37	30, 31, 32, 35, 37, 38	

Footnotes:

(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
H_2S - hydrogen sulfide
TRS - total reduced sulfur
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
(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.

Major NSR Summary Table

Permit Number: GHGPSDTX108					**Issuance Date:** 11/06/15		
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)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
BOILERCAP	Boiler 1A to 1C Cap	CO2 (5)	-	119,074	3, 12	3, 12, 15, 16	12
		CH4 (5)	-	2.21	3, 12	3, 12, 15, 16	12
		N2O (5)	-	0.22	3, 12	3, 12, 15, 16	12
		CO2e	-	119,195	3, 12	3, 12, 15, 16	3, 12
2A	Small Boiler	CO2 (5)	-	6,843		15, 16	
		CH4 (5)	-	0.13		15, 16	
		N2O (5)	-	0.01		15, 16	
		CO2e	-	6,850		15, 16	
HTR1	Hot Oil Heater 1	CO2 (5)	-	20,737		15, 16	
		CH4 (5)	-	0.39		15, 16	
		N2O (5)	-	0.04		15, 16	
		CO2e	-	20,758		15, 16	
SHIP FUG	Ship Dock Fugitives	CH4 (5)	-	75.59		15, 16	
		CO2e	-	1,890		15, 16	
VAPCOMBCAP	Emissions Cap for Vapor Combustors 1-3	CO2 (5)	-	207,528		5, 12, 15, 16	12
		CH4 (5)	-	0.34	12	5, 12, 15, 16	12
		N2O (5)	-	3.35		5, 12, 15, 16	12
		CO2e	-	208,535		5, 12, 15, 16	12
TCOMBCAP	Temporary Control Units Caps	CO2 (5)	-	10,852		15, 16	
		CH4 (5)		0.94		15, 16	
		N2O (5)		0.19		15, 16	

Major NSR Summary Table

Permit Number: GHGPSDTX108					**Issuance Date:** 11/06/15		
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)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
		CO_2e		10,932		15, 16	
FRCAP	Emissions Cap for Floating Roof Tanks	CH_4 (5)	-	28.91		15, 16	
		CO_2e		723		15, 16	
FWP1	Fire Water Pump 1	CO_2 (5)	-	171	4	4, 15, 16	
		CH_4 (5)	-	<0.01	4	4, 15, 16	
		N_2O (5)	-	<0.01	4	4, 15, 16	
		CO_2e	-	171	4	4, 15, 16	
FWP2	Fire Water Pump 2	CO_2 (5)	-	171	4	4, 15, 16	
		CH_4 (5)	-	<0.01	4	4, 15, 16	
		N_2O (5)	-	<0.01	4	4, 15, 16	
		CO_2e	-	171	4	4, 15, 16	
FUG	Fugitive Emissions (5)	CO_2 (5)	-	1.01	8	8, 15, 16	8
		CH_4 (5)	-	21.07	8	8, 15, 16	8
		CO_2e (6)	-	528	8	8, 15, 16	8
MSS	MSS Activities	VOC	-	0.20	11	11, 15, 16	
		TRS/H_2S	-	5	11	11, 15, 16	

Footnotes:

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) CO_2 - carbon dioxide
N_2O - nitrous oxide

CH4 - methane
CO2e - carbon dioxide equivalents based on the following Global Warming Potentials (11/2014):
CO2 (1), N2O (298), CH4(25)

(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. These rates include emissions from maintenance, startup, and shutdown.
(5) Emission rate is given for informational purposes only and does not constitute enforceable limit.
(6) 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
Jefferson Railport Terminal I (Texas) LLC
Authorizing the Construction and Operation of
Port Of Beaumont Petroleum Transload Terminal
Located at **Vidor, Orange County, Texas**
Latitude 30° 4′ 59″ Longitude −94° 4′ 51″

Permits: 118901 and PSDTX1408
Issuance Date: November 6, 2015
Expiration Date: November 6, 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.

Special Conditions

Permit Numbers 118901 and PSDTX1408

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

Federal Applicability

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

   A. Subpart A, General Provisions;

   B. Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units;

   C. Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels; and

   D. Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

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

   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);

   D. Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines;

   E. Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters.

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. 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.

7. Before loading a marine vessel with a VOC which has a vapor pressure equal to or greater than 0.5 pounds per square inch absolute (psia) under actual storage conditions, 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).

8. A blower system shall be installed that will produce a vacuum in the barge during all barge loading operations. A pressure/vacuum gauge shall be installed on the suction side of the loading rack blower system adjacent to the barge being loaded to verify a vacuum in that vessel. Loading shall not occur unless there is a vacuum of at least 1.5 inch water column being maintained by the vacuum-assist vapor collection system when loading barges. The vacuum shall be recorded every 15 minutes during loading. Prior to January 1, 2016, readings from a remote vacuum gauge may be observed prior to loading and at least once per hour during the loading event instead of every 15 minutes.

9. Prior to railcar unloading vapor balance systems shall be connected. All connections in the vapor balance system shall be either flanged or vapor tight connections. Liquid connections shall be flanged and include dry break connections in order to minimize leaks during connection and disconnection. The vapor balance railcars shall not vent to atmosphere.

10. In order to ensure 100 percent capture efficiency of VOC during railcar loading, the following requirements must be met:

    A. Each railcar to be loaded shall be pressure certified by Department of Transportation (DOT) testing or equivalent. The holder of this permit shall not allow a railcar to be loaded unless it has passed the DOT testing or equivalent. A record of the date on which the testing was performed shall be maintained for each railcar and shall be sufficient evidence that the testing was performed.

    B. Hard-piped or bolted connections, and/or dry lock design hard piped loading arms shall be used for all pressurized loading operations.

    C. Each railcar to be loaded shall be designed to handle a pressure of 15 psi gauge or greater.

    D. Each railcar to be loaded shall not be equipped with a spew gauge.

11. The combined ship loading rate at Docks 1 and 2 (OC-1 and OC-2) shall not exceed 45,000 barrels per hour (bbl/hr). The maximum annual barge or ship loading rate for petroleum liquids at Docks 1, 2, and 3 (OC-1, OC-2 and OC-3) and at the railcar loading areas shall not exceed the following limits:

    A. Total for all railcar loading: 40,045,714 barrels per year (bbl/yr)

    B. Total for all ship loading (OC-1 and OC-2): 165,564,000 bbl/yr

    C. Total for all barge loading (OC-1, OC-2 and OC-3): 283,177,143 bbl/yr

    D. Total for all loading: 323,222,857 bbl/yr.

    All loading shall be submerged and rolling 12 month throughput records shall be updated on a monthly basis for each product loaded.

12. The permit holder shall maintain and update a monthly emissions record which includes calculated emissions of VOC from all loading operations over the previous rolling 12 month period. The record shall include as a minimum:

    A. Date, start time, and end time of loading;

    B. Loading location;

    C. Control method used;

    D. Name of the product loaded, vapor molecular weight, and Reid vapor pressure (RVP);

    E. Quantity of product loaded in barrels;

    F. Liquid throughput for the previous month and rolling 12 months to date; and

    G. Temperature and true vapor pressure of material loaded.

    H. For Marine Vessels:

        (1) Date the barge or ship last passed the leak-tight test.

        (2) Identification number of the barge, or name and port of registry of the ship.

13. Waste gas from marine and railcar loading operations shall be routed to the vapor combustion units (VCUs) specified as Emission Point Number (EPNs) VAPCOMB1-3. These operations shall be performed with a pilot flame present in the VCU(s) being used for emissions control. In the event of a pilot malfunction, operations controlled by VCU shall automatically be shut down and corrective action taken immediately.

14. The VCUs (EPNs VAPCOMB1-3) shall be limited to a maximum combined firing rate of 433.8 MMBtu/hr (HHV). The total flowrate of waste gas to the VCUs from all product loading determined pursuant to Special Condition 15 shall not exceed 45,000 bbl/hour.

15. In order to demonstrate compliance with the maximum volumetric flow rate to the VCUs and the maximum VCU firing rate, the permit holder shall record the following:

A. Product loading records as required by Special Condition 12; and

B. Flow rate of supplemental natural gas.

Within 30 days after the end of each month, the records above and appropriate higher heating values of materials combusted shall be used to calculate the volumetric waste gas flow rate to the VCUs and the combined firing rate of the VCUs.

Flowmeters to measure the flow rate of supplemental natural gas to the VCUs shall be installed by January 1, 2016. Prior to that time, the natural gas flowrate to VCUs shall be calculated based on the flowmeter that measures total natural gas usage at the site by subtracting the natural gas usage by other sources at the site. The natural gas usage by the other sources at the site will be based on measured flowrates, if available, or will be based on engineering calculations from operating records where flowrate measurements are not available.

16. The VCUs (EPNs VAPCOMB1-3) shall be designed and operated in accordance with the following requirements:

A. The VCUs (EPNs VAPCOMB1-3) shall achieve 99% control of VOC when waste gas is directed to it. This shall be ensured by maintaining the temperature in, or immediately downstream of, the combustion chamber above 1500°F prior to the initial stack test performed in accordance with Special Condition 28. 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.

B. 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 or have a calibration check performed 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 Celsius or ±2.5°C.

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

D. The equipment to continuously monitor temperature and record six minute average temperatures shall be operational no later than January 1, 2016.

E. Each VCU shall 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. In the event of a pilot malfunction, operations controlled by VCU shall automatically be shut down and corrective action taken immediately.

Each monitoring device shall be accurate to, and shall be calibrated or have a calibration check performed at a frequency in accordance with, the manufacturer's specifications.

F. Each vapor combustor shall be operated with opacity not exceeding 5%. This determination shall be made by weekly visible emission checks while the facility is operating. Observations shall be made at least 15 feet and no more than 0.25 mile from the emission point(s). If visible emissions are observed from the stack(s), then opacity shall be determined by 40 CFR Part 60, Appendix A, Test Method 9. Contributions from uncombined water shall not be included in determining compliance with this condition. If opacity exceeds five percent, corrective action to eliminate the source of visible emissions shall be taken promptly and documented within one week of first observation.

17. Fuel for the boilers (EPNs 1A-1C and 2A) and heater (EPN HTR1) and assist gas for the VCUs (EPNs VAPCOMB1-3) authorized by this permit shall consist of natural gas containing no more than 5 grains of total sulfur per 100 dry standard cubic feet.

18. The following requirements apply to capture systems for the VCUs (EPNs VAPCOMB1-3).

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

B. The control device shall not have a bypass.

or

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

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

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

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

C. The date and results of each inspection performed as required by Part A of this condition shall be recorded. If the results of any inspection are not satisfactory, the

deficiencies shall be recorded and the permit holder shall promptly take necessary corrective action, recording each action with the date completed.

19. Emission limitations for the boilers and heater are as follows:

    A. Large boilers (EPN 1A-1C) will be equipped with Low NO_x burners and flue gas recirculation. The individual boilers shall be limited to a maximum firing rate of 95.7 MMBtu/hr higher heating value (HHV). As measured in the stack exhaust of the boilers, emissions of NO_x shall not exceed 0.011 lb/MMBtu.

    B. Emissions of CO from the boilers (EPNs 1A-1C and 2A) and heater (EPN HTR1) shall not exceed 50 ppmvd at 3 percent O2.

    C. The small boiler (EPN 2A) shall be limited to a maximum firing rate of 13.2 MMBtu/hr (HHV). The NO_x emissions shall not exceed 0.10 lb/MMBtu heat input (HHV).

    D. The heater (EPN HTR1) shall be limited to a maximum firing rate of 40 MMBtu/hr (HHV). The NO_x emissions shall not exceed 0.036 lb/MMBtu heat input.

    E. Opacity of particulate matter emissions shall not exceed five percent. This determination shall be made by weekly visible emission checks while the facility is operating. Observations shall be made at least 15 feet and no more than 0.25 mile from the emission point(s). If visible emissions are observed from the stack(s), then opacity shall be determined by Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Contributions from uncombined water shall not be included in determining compliance with this condition. If opacity exceeds five percent, corrective action to eliminate the source of visible emissions shall be taken promptly and documented within one week of first observation.

    F. The permit holder shall install and operate a totalizing fuel flow meter to measure the gas fuel usage for each of the large boilers (EPN 1A-1C) and fuel usage for each shall be recorded monthly. Each flow meter shall be calibrated at a frequency in accordance with the manufacturer's specifications or at least annually, whichever is more frequent, and shall be accurate to within 5 percent.

    Valid fuel gas usage data must be collected when the boiler 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 boiler operated over the previous rolling 12 month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded.

20. Emissions from the two diesel fire pump engines (EPNs FWP1 and FWP2) shall not exceed 2.7 grams per horsepower-hour (g/hp-hr) of NO_x and 0.4 g/hp hr of CO each. The holder of this permit shall maintain records from the manufacturer or vendor documenting the maximum emission factors for NO_x and CO.

21. Operation of the two fire pump engines is limited to a total of 52 hours per year each for maintenance checks and readiness testing and shall not exceed two hours per day.

22. Storage tank throughput and service shall be limited to the following:

Tank EPN(s)	Type of Tank	Service	Rolling 12 Month Throughput (barrels)
IFRTK1-20	Internal Floating Roof	Light or Heavy Petroleum Liquids	Total for all tanks: Light products 276,565,714 Heavy products 46,657,143
LIFRTK 1-5	Internal Floating Roof	Light or Heavy Petroleum Liquids	
FXHO1	Fixed Roof Tank	Hot Oil	47.62

23. Storage tanks are subject to the following requirements, except that the control requirements specified in parts A-C of this condition shall not apply to Tank FXHO1.

A. 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.

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.

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

Emissions from tanks shall be calculated using the methods that were used to determine the MAERT limits in the permit application PI-1 dated March 27, 2014 and subsequent submittals through July 2015. Sample calculations from the application shall be attached to a copy of this permit at the plant site.

The permit holder shall maintain a record of tank throughput for the previous month and the past consecutive 12 month period for each tank.

24. The permit holder shall determine the total sulfur content of each crude oil and condensate stock to be stored in the tanks. If the total sulfur content is greater than 0.5 weight % by ASTM D4294 then the permit holder shall also determine the dissolved H_2S content by ASTM UOP163. If the total sulfur content is greater than 0.5 weight % and the dissolved H_2S content is greater than 10 ppmw, then the permit holder shall take steps to ensure the loading vapors routed to the VCUs (EPNs VAPCOMB1-3) have an H_2S content in the waste gas as determined by ASTM Method D5705 less than 645 ppmv and 1,045 ppmv, respectively. Alternative test methods to those listed in this Special Condition may be used if approved by the TCEQ Executive Director.

25. Products stored in tanks shall not exceed 1.65 percent benzene by weight.

26. To demonstrate compliance with the special conditions, samples shall be drawn from floating roof tanks (EPNs IFRTK1 to IFRTK20 and LIFRTK1 to LIFRTK5) within the first seven days of each calendar month. For each tank, a record shall be maintained indicating:

    A. the current true vapor pressure,

    B. the 12-month rolling average true vapor pressure,

    C. the current benzene analysis in weight percent,

    D. the 12-month rolling average benzene analysis in weight percent,

    E. the current dissolved H_2S concentration in parts per million, and

    F. the 12-month rolling average dissolved H_2S analysis in parts per million.

    In lieu of drawing monthly samples, the permit holder may use analyses from the product suppliers to obtain the required information.

Piping, Valves, Connectors, Pumps, Agitators, and Compressors - 28VHP

27. 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.

Initial Demonstration of Compliance

28. The permit holder shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the VCUs (EPNs VAPCOMB1-3) and Boilers (EPN 1A-1C) to demonstrate compliance with the MAERT and with Special Conditions. The permit holder is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense. Sampling shall be conducted in accordance with the appropriate procedures of the Texas Commission on Environmental Quality (TCEQ) Sampling Procedures Manual and the U.S. Environmental Protection Agency (EPA) Reference Methods.

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

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

        (1) Proposed date for pretest meeting.

        (2) Date sampling will occur.

        (3) Name of firm conducting sampling.

        (4) Type of sampling equipment to be used.

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

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

        (7) Procedure/parameters to be used to determine worst case emissions (such as production rate, temperature for incinerators, etc. These set operating parameters to be monitored and operating limits in other permit conditions) during the sampling period.

        The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for the test reports. The TCEQ Regional Director must approve any deviation from specified sampling procedures.

    B. Air contaminants emitted from the VCUs and boilers to be tested for include (but are not limited to) the following:

        (1) Boilers (EPNs 1A-1C)– NO_x, CO, and O_2,

(2) VCUs (EPNs VAPCOMB1-3)– NO_x, CO, VOC, SO_2, and O_2.

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 and at such other times as may be required by the TCEQ Executive Director. Requests for additional time to perform sampling shall be submitted to the appropriate regional office.

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

During subsequent operations, if the loading rates or heat input rates are 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.

29. Sampling ports and platform(s) shall be incorporated into the design of the VCUs (EPNs VAPCOMB1-3) and Boilers (EPNs 1A-1C) 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.

Planned Maintenance, Startup and Shutdown

30. This permit authorizes the emissions from the planned maintenance, startup, and shutdown (MSS) activities summarized in the MSS Activity Summary (Attachment C) attached to this permit. This permit authorizes emissions from the following temporary facilities used to support planned MSS activities at permanent site facilities: vacuum trucks and control devices identified in Special Condition 37. Emissions from temporary facilities are authorized provided the temporary facility does not remain on the plant site for more than 12 consecutive months, is used solely to support planned MSS activities at the permanent site facilities authorized under this permit, and does not operate as a replacement for an existing authorized facility.

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

The performance of each planned MSS activity not identified in Attachment 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.

31. Process units and facilities, with the exception of those identified in Special Conditions 33 and 34 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, the criteria in Part D.(2) of this condition have been satisfied, or the system is no longer vented to atmosphere.

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

D. If the VOC partial pressure is greater than 0.50 psi at the normal process temperature or 95°F, facilities shall be degassed using good engineering practice to ensure air contaminants are removed from the system through the control device or controlled recovery system to the extent allowed by process equipment or storage vessel design. The vapor pressure at 95°F may be used if the actual temperature of the liquid is verified to be less than 95°F and the temperature is recorded. The facilities to be degassed shall not be vented directly to atmosphere, except as necessary to establish isolation of the work area or to monitor VOC concentration following controlled depressurization. The venting shall be minimized to the maximum extent practicable and actions taken recorded. The control device or recovery system utilized shall be recorded with the estimated emissions from controlled and uncontrolled degassing calculated using the methods that were used to determine allowable emissions for the permit application.

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

(2) The locations and/or identifiers where the purge gas or steam enters the process equipment or storage vessel and the exit points for the exhaust gases shall be recorded (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 32. The sampling point shall be upstream of the inlet to the control device or controlled recovery system. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the process equipment or vessel being purged. If there is not a connection (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.

(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 31.E must be documented when occurring as part of any MSS activity. The emissions associated with venting without control must be included in the work order or equivalent for those planned MSS activities identified in Attachment B.

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

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

(1) The instrument shall be calibrated within 24 hours of use with a calibration gas such that the response factor (RF) of the VOC (or mixture of VOCs) to be monitored shall be less than 2.0. The calibration gas and the gas to be measured, and its approximate (RF) shall be recorded. 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 monthly with an appropriate certified gas standard at 25% of the lower explosive limit (LEL) for the appropriate gas. 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 the appropriate gas. 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 the appropriate gas.

(4) Definitions

(a) An appropriate gas is one which when used for calibration of the detector, ensures that the response factor (RF) of the VOC (or mixture of VOCs) to be monitored is less than 1.2.

(b) The same type of certified gas standard is a standard consisting of the same gas as used for calibration, certified to be 25 percent of the LEL for that gas.

33. This permit authorizes emissions from the storage tanks and control device identified in the attached facility list during planned floating roof landings. Tank roofs may be landed for changes of tank service or tank inspection/maintenance as identified in the permit application. Convenience tank roof landings are only allowed if the vapor space under the floating roof is routed to control or a controlled recovery system at all times when the roof is landed and there is standing liquid present. 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. Emissions from convenience landings are subject to the limits in EPNs IFRTL-LND (maximum lbs/hr) and FRCAP. Total annual emissions from normal operations and convenience landings must be within the annual limits in FRCAP. Emissions from tank landings for MSS activities must be within the limits of EPN MSS. The following requirements apply to tank roof landings.

A. The tank liquid level shall be continuously lowered after the tank floating roof initially lands on its supporting legs until the tank has been drained to the maximum extent practicable without entering the tank. Liquid level may be maintained steady for a period of up to two hours if necessary to allow for valve lineups and pump changes necessary to drain the tank. This requirement does not apply where the vapor under a floating roof is routed to control or a controlled recovery system during this process. If the liquid level is maintained steady for greater than 2 hours, the roof landing shall be considered a convenience tank landing and the emissions tracked accordingly. Convenience tank landings shall not exceed 72 hours in duration.

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

(1) Any gas or vapor removed from the vapor space under the floating roof must be routed to a control device or a controlled recovery system and controlled degassing must be maintained until the VOC concentration is less than 10,000 ppmv or 10 percent of the LEL. There shall be no more than three tanks in post-control degassing (EPNs IFRTK-LND and MSS), no more than one of which is large (EPNs LIFRTK1-5), at any given time. The locations and identifiers of vents other than permanent roof fittings and seals, control device or controlled recovery system, and controlled exhaust stream shall be recorded. There shall be no other gas/vapor flow out of the vapor space under the floating roof when degassing to the control device or controlled recovery system.

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

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

(4) The sampling point shall be upstream of the inlet to the control device or controlled recovery system. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the process equipment or vessel being purged.

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

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

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

(2) Access points shall be closed when not in use.

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

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

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

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

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

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

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

(3) No standing liquid verified through visual inspection.

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

E. Tanks shall be refilled as rapidly as practicable until the roof is off its legs with the following exceptions: The vapor space below the tank roof is directed to a control device when the tank is refilled until the roof is floating on the liquid. The control device used and the method and locations used to connect the control device shall be recorded. All vents from the tank being filled must exit through the control device.

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

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

(2) the reason for the tank roof landing;

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

(a) the roof was initially landed,

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

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

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

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

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

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

(4) the estimated quantity of each air contaminant, or mixture of air contaminants, emitted between events c and g with the data and methods used to determine it. The emissions associated with roof landing activities shall be calculated using the methods described in 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.

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

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) The vacuum/blower exhaust shall be routed to a control device or a controlled recovery system.

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

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

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

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

37. Control devices required by this permit for emissions from planned MSS activities are limited to those types identified in this condition. Control devices shall be operated with no visible emissions except periods not to exceed a total of five minutes during any two consecutive hours. Each device used must meet all the requirements identified for that type of control device. Controlled recovery systems identified in this permit shall be directed to an operating process or to a collection system that is vented through a control device meeting the requirements of this permit condition.

    A. Carbon Adsorption System (CAS).

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

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

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

            (b) The carbon sampling frequency may be extended to longer periods based on previous experience with carbon control of a MSS waste gas stream. The past experience must be with the same VOC, type of facility, and MSS activity. The basis for the sampling frequency shall be recorded. If the VOC concentration on the initial sample downstream of the first carbon canister following a new polishing canister being put in place is greater than 100 ppmv above background, it shall be assumed that breakthrough occurred while that canister functioned as the final polishing canister and a permit deviation shall be recorded.

        (3) The method of VOC sampling and analysis shall be by detector meeting the requirements of Special Condition 32.A or 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. MSS and Tank Landing Thermal Control Device

(1) Convenience landings, pigging operations containing VOC, high volume minor MSS activities and IFR tank MSS activities shall be routed to the temporary VCUs (EPNs TCOMB1-5).

(2) The temporary VCUs shall achieve 99% control of the VOC in the waste gas directed to them. This shall be ensured by maintaining the temperature in, or immediately downstream of, the combustion chamber above 1100° F, except during periods of startup or shutdown.

(3) Fuel for the temporary VCUs shall be propane or natural gas.

(4) The total flowrate of waste gas to each temporary VCU shall not exceed 5,450 bbl/hour.

(5) In order to demonstrate compliance with the maximum volumetric flow rate to the temporary VCUs and the maximum VCU firing rate, the permit holder shall record the following during periods of VCU operation:

(a) Date and start time of tank roof landings prior to degassing and forced ventilation.

(b) Date, start time and end time of refilling the floating roof tanks after MSS or convenience landings, condition prior to refilling (clean/dirty) to determine saturation factor, tank refilling rate, material being placed in the tank, and material vapor pressure.

(c) Date, start time and end time of controlled degassing and forced ventilation, the tanks involved, the blower volumetric rate, material in the tank prior to degassing or forced ventilation, and vapor pressure of that material.

(d) Date, start time and end time of the pigging operations and high volume MSS activities, volume of piping, material in the pipe, and the vapor pressure and vapor molecular weight of that material.

(6) The permit holder shall take steps to ensure the loading vapors routed to the temporary vapor combustors (EPNs TCOMB1-5) have an H_2S content in the waste gas as determined by ASTM Method D5705 less than 15 ppmv. Alternative test methods to those listed in this Special Condition may be used if approved by the TCEQ Executive Director.

(7) If vapors vented to EPNs TCOMB1-5 exceed 15 ppmv H_2S, scrubbers will be used upstream of the vapor combustors to reduce H_2S content in the vapors such that SO_2 emission rates are not exceeded.

Recordkeeping

38. Records demonstrating compliance with the MAERT and all other records required by the conditions of this permit are to be maintained electronically or in hard copy format for at least five years at the site and made available to representatives of the TCEQ or any local air pollution control program having jurisdiction.

Transition from Operation Pursuant to Permit by Rule

39. Within 30 days after issuance of this permit, the permit holder shall submit a request to modify Permit by Rule Registration Number 102602 so that it includes only authorization of the two fixed roof tanks along with the vapor combustion unit (VCU) (EPN TVAPCOMB) and/or the generators providing lighting (EPN DENGCAP). All other tank and loading operations are authorized under this permit.

40. Operation of the two fixed roof tanks at the site shall continue to be governed by Permit by Rule Registration Number 102602 until floating roofs have been installed or the PBR has been modified to remove the fixed roof tanks. During this time, the tanks shall be operated in accordance with the following conditions:

    A. All vents, except emergency pressure and vacuum relief systems, shall be routed to a vapor combustion unit (VCU) (EPN TVAPCOMB).

    B. The material stored shall not have a VOC vapor pressure above 4 psia at the storage temperature.

    C. The fixed roof tank VCU shall achieve 99% control of the VOC when waste gas is directed to it.

    D. The holder of this permit shall submit a request to modify the Permit by Rule Registration Number 102602 to remove the fixed roof tanks no later than January 31, 2016.

Permit Numbers 118901 and PSDTX1408

Attachment A

[Reserved]

Date: November 6, 2015

Permit Numbers 118901 and PSDTX1408

Attachment B

Routine Maintenance Activities

Pump repair/replacement

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

Filter repair/replacement

Valve repair/replacement

Vessel repair/replacement

Meter repair/replacement

Piping repair/replacement

Date: November 6, 2015

Permit Numbers 118901 and PSDTX1408

Attachment C

MSS Activity Summary

Facilities/Activity	Description	Emissions Activity	EPN
Floating Roof Storage Tank	Activity includes all or some of the following: tank roof landing, standing idle, degassing, post-control degassing, cleaning, and refilling	Vent the following activities to a VCU: standing idle, degassing, cleaning and refilling	IFRTK-LND, MSS, and TCOMB 1-5
Minor MSS Activities	Minor activities including: draining, venting and refilling pumps, filters, meters, valves, vessels and piping.	When venting volumes greater than 100 cubic feet, the vapors will be routed to the temporary combustor units (EPNs TCOMB1-5). Volumes less than or equal to 100 cubic feet will be vented directly to atmosphere after draining all liquids.	MSS and TCOMB 1-5
Vacuum Trucks and Air Movers	Material is collected from the process using a vacuum truck or air mover.	vent to carbon canister	MSS

Date: November 6, 2015

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 118901 and PSDTX1408

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)
1A	Boiler 1	NO_x	1.06	see BOILERCAP
		CO	3.46	
		VOC	0.52	
		PM	0.71	
		PM_{10}	0.71	
		$PM_{2.5}$	0.71	
		SO_2	0.57	
1B	Boiler 2	NO_x	1.06	see BOILERCAP
		CO	3.46	
		VOC	0.52	
		PM	0.71	
		PM_{10}	0.71	
		$PM_{2.5}$	0.71	
		SO_2	0.57	
1C	Boiler 3	NO_x	1.06	see BOILERCAP
		CO	3.46	
		VOC	0.52	
		PM	0.71	
		PM_{10}	0.71	
		$PM_{2.5}$	0.71	
		SO_2	0.57	
BOILERCAP	Boiler 1A to 1C Cap	NO_x	3.17	11.11
		CO	10.37	36.35
		VOC	1.55	5.42
		PM	2.14	7.49
		PM_{10}	2.14	7.49
		$PM_{2.5}$	2.14	7.49
		SO_2	1.72	6.04

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
2A	Small Boiler	NO_x	1.32	5.78
		CO	0.48	2.09
		VOC	0.07	0.31
		PM	0.10	0.43
		PM_{10}	0.10	0.43
		$PM_{2.5}$	0.10	0.43
		SO_2	0.08	0.35
HTR1	Hot Oil Heater 1	NO_x	1.42	6.24
		CO	1.45	6.33
		VOC	0.22	0.94
		PM	0.30	1.31
		PM_{10}	0.30	1.31
		$PM_{2.5}$	0.30	1.31
		SO_2	0.24	1.05
SHIP FUG	Ship Dock Fugitives	VOC	410.89	755.88
		TRS/H_2S	0.72	1.32
VAPCOMB1	Vapor Combustor 1	NO_x	21.69	see VAPCOMBCAP
		CO	39.84	
		VOC	72.30	
		TRS/H_2S	0.05	
		PM	1.08	
		PM_{10}	1.08	
		$PM_{2.5}$	1.08	
		SO_2	8.98	
VAPCOMB2	Vapor Combustor 2	NO_x	21.69	see VAPCOMBCAP
		CO	39.84	
		VOC	72.30	
		TRS/H_2S	0.05	
		PM	1.08	
		PM_{10}	1.08	
		$PM_{2.5}$	1.08	
		SO_2	8.98	

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
VAPCOMB3	Vapor Combustor 3	NO_x	21.69	see VAPCOMBCAP
		CO	39.84	
		VOC	72.30	
		TRS/H_2S	0.05	
		PM	1.08	
		PM_{10}	1.08	
		$PM_{2.5}$	1.08	
		SO_2	8.98	
VAPCOMBCAP	Emissions Cap for Vapor Combustors 1-3	NO_x		228.01
		CO		418.77
		VOC		660.32
		TRS/H_2S		0.51
		PM		11.40
		PM_{10}		11.40
		$PM_{2.5}$		11.40
		SO_2		96.78
TCOMB1	Temporary Control Unit 1	NO_x	2.13	see TCOMBCAP
		CO	1.23	
		VOC	7.47	
		TRS/H_2S	<0.01	
		PM	0.12	
		PM_{10}	0.12	
		$PM_{2.5}$	0.12	
		SO_2	0.08	

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
TCOMB2	Temporary Control Unit 2	NO_x	2.13	see TCOMBCAP
		CO	1.23	
		VOC	7.47	
		TRS/H_2S	<0.01	
		PM	0.12	
		PM_{10}	0.12	
		$PM_{2.5}$	0.12	
		SO_2	0.08	
TCOMB3	Temporary Control Unit 3	NO_x	2.13	see TCOMBCAP
		CO	1.23	
		VOC	7.47	
		TRS/H_2S	<0.01	
		PM	0.12	
		PM_{10}	0.12	
		$PM_{2.5}$	0.12	
		SO_2	0.08	
TCOMB4	Temporary Control Unit 4	NO_x	2.13	see TCOMBCAP
		CO	1.23	
		VOC	7.47	
		TRS/H_2S	<0.01	
		PM	0.12	
		PM_{10}	0.12	
		$PM_{2.5}$	0.12	
		SO_2	0.08	
TCOMB5	Temporary Control Unit 5	NO_x	2.13	see TCOMBCAP
		CO	1.23	
		VOC	7.47	
		TRS/H_2S	<0.01	
		PM	0.12	
		PM_{10}	0.12	
		$PM_{2.5}$	0.12	
		SO_2	0.08	

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
TCOMBCAP	Temporary Control Units Caps	NO_x	see TCOMB1 to TCOMB5	20.19
		CO		11.65
		VOC		34.53
		TRS/H_2S		0.02
		PM		1.09
		PM_{10}		1.09
		$PM_{2.5}$		1.09
		SO_2		3.35
IFRTK-LND	Large and Medium Internal Floating Roof Landing	VOC	34.27	See EPN: FRCAP
		TRS/H_2S	0.02	
IFRTK1	Medium Internal Floating Roof Tank 1	VOC	3.72	See EPN: FRCAP
		TRS/H_2S	<0.01	
IFRTK2	Medium Internal Floating Roof Tank 2	VOC	3.72	See EPN: FRCAP
		TRS/H_2S	<0.01	
IFRTK3	Medium Internal Floating Roof Tank 3	VOC	3.72	See EPN: FRCAP
		TRS/H_2S	<0.01	
IFRTK4	Medium Internal Floating Roof Tank 4	VOC	3.72	See EPN: FRCAP
		TRS/H_2S	<0.01	
IFRTK5	Medium Internal Floating Roof Tank 5	VOC	3.72	See EPN: FRCAP
		TRS/H_2S	<0.01	
IFRTK6	Medium Internal Floating Roof Tank 6	VOC	3.72	See EPN: FRCAP
		TRS/H_2S	<0.01	
IFRTK7	Medium Internal Floating Roof Tank 7	VOC	3.72	See EPN: FRCAP
		TRS/H_2S	<0.01	
IFRTK8	Medium Internal Floating Roof Tank 8	VOC	3.72	See EPN: FRCAP
		TRS/H_2S	<0.01	
IFRTK9	Medium Internal Floating Roof Tank 9	VOC	3.72	See EPN: FRCAP
		TRS/H_2S	<0.01	
IFRTK10	Medium Internal Floating Roof Tank 10	VOC	3.72	See EPN: FRCAP
		TRS/H_2S	<0.01	
IFRTK11	Medium Internal Floating Roof Tank 11	VOC	3.72	See EPN: FRCAP
		TRS/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)
IFRTK12	Medium Internal Floating Roof Tank 12	VOC	3.72	See EPN: FRCAP
		TRS/H_2S	<0.01	
IFRTK13	Medium Internal Floating Roof Tank 13	VOC	3.72	See EPN: FRCAP
		TRS/H_2S	<0.01	
IFRTK14	Medium Internal Floating Roof Tank 14	VOC	3.72	See EPN: FRCAP
		TRS/H_2S	<0.01	
IFRTK15	Medium Internal Floating Roof Tank 15	VOC	3.72	See EPN: FRCAP
		TRS/H_2S	<0.01	
IFRTK16	Medium Internal Floating Roof Tank 16	VOC	3.72	See EPN: FRCAP
		TRS/H_2S	<0.01	
IFRTK17	Medium Internal Floating Roof Tank 17	VOC	3.72	See EPN: FRCAP
		TRS/H_2S	<0.01	
IFRTK18	Medium Internal Floating Roof Tank 18	VOC	3.72	See EPN: FRCAP
		TRS/H_2S	<0.01	
IFRTK19	Medium Internal Floating Roof Tank 19	VOC	3.74	See EPN: FRCAP
		TRS/H_2S	<0.01	
IFRTK20	Medium Internal Floating Roof Tank 20	VOC	3.74	See EPN: FRCAP
		TRS/H_2S	<0.01	
LIFRTK1	Large Internal Floating Roof Tank 1	VOC	6.16	See EPN: FRCAP
		TRS/H_2S	<0.01	
LIFRTK2	Large Internal Floating Roof Tank 2	VOC	6.16	See EPN: FRCAP
		TRS/H_2S	<0.01	
LIFRTK3	Large Internal Floating Roof Tank 3	VOC	5.90	See EPN: FRCAP
		TRS/H_2S	<0.01	
LIFRTK4	Large Internal Floating Roof Tank 4	VOC	5.90	See EPN: FRCAP
		TRS/H_2S	<0.01	
LIFRTK5	Large Internal Floating Roof Tank 5	VOC	5.90	See EPN: FRCAP
		TRS/H_2S	<0.01	
FRCAP	Emissions Cap for Floating Roof Tanks	VOC	See IFRTK1-20, LIFRTK1-5, & IFRTK-LND	289.13
		TRS/H_2S		0.17
FXHO1	Hot Oil Tank 1	VOC	<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)
FWP1	Fire Water Pump 1	NO_x	1.82	0.05
		CO	0.27	0.01
		VOC	0.07	<0.01
		PM	0.04	<0.01
		PM_{10}	0.04	<0.01
		$PM_{2.5}$	0.04	<0.01
		SO_2	0.63	0.02
FWP2	Fire Water Pump 2	NO_x	1.82	0.05
		CO	0.27	0.01
		VOC	0.07	<0.01
		PM	0.04	<0.01
		PM_{10}	0.04	<0.01
		$PM_{2.5}$	0.04	<0.01
		SO_2	0.63	0.02
FUG	Fugitive Emissions (5)	VOC	4.07	17.83
		TRS/H_2S	<0.01	0.01
MSS	MSS Activities	VOC	60.90	2.02
		TRS/H_2S	0.03	<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
H_2S - hydrogen sulfide
TRS - total reduced sulfur
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
(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 6, 2015

Texas Commission on Environmental Quality
Air Quality Permit

A Permit Is Hereby Issued To
Jefferson Railport Terminal I (Texas) LLC
Authorizing the Construction and Operation of
Port Of Beaumont Petroleum Transload Terminal
Located at **Vidor, Orange County, Texas**
Latitude 30° 5′ 36″ Longitude −94° 5′ 27″

Permit: GHGPSDTX108

Issuance Date: November 6, 2015

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.

Special Conditions

Permit Numbers GHGPSDTX108

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

Emission Standards and Operational Specifications

2. Fuel for the boilers (EPNs 1A-1C and 2A) and heater (EPN HTR1) and assist gas for the Vapor Combustion Units (VCUs) (EPNs VAPCOMB1, VAPCOMB2 and/or VAPCOMB3) authorized by this permit shall consist of natural gas containing no more than 5 grains of total sulfur per 100 dry standard cubic feet.

3. Emission limitations for the boilers and heater are as follows:

   A. Boilers EPNs 1A-1C shall each be limited to a maximum firing rate of 95.7 million British thermal units per hour (MMBtu/hr), higher heating value (HHV). Boiler EPN 2A shall be limited to a maximum firing rate of 13.2 MMBtu/hr HHV. The heater (EPN HTR1) shall be limited to a maximum firing rate of 40 MMBtu/hr HHV.

   B. The boilers and heater must be properly operated using good combustion practices.

   C. The fuel-to-steam efficiency for boilers EPNs 1A-1C must be at least 80%.

   D. The permit holder shall install and operate a totalizing fuel flow meter to measure the gas fuel usage for each of the large boilers (EPN 1A-1C) and fuel usage for each shall be recorded monthly. Each flow meter shall be calibrated at a frequency in accordance with the manufacturer's specifications or at least annually, whichever is more frequent, and shall be accurate to within 5 percent.

      Valid fuel gas usage data must be generated when the boiler 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 boiler operated over the previous rolling 12 month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded.

4. The firewater pump engines (EPNs FWP1 and FWP2) shall be designed and operated in accordance with the following requirements:

   A. The engines are limited to a total of 52 hours per year each for maintenance checks and readiness testing and shall not exceed two hours per day.

   B. Upon request by the Executive Director of the Texas Commission on Environmental Quality (TCEQ) or any local air pollution control program having jurisdiction, the holder of this permit shall provide a sample and/or an analysis of the fuel or shall allow air pollution control agency representatives to obtain a sample for analysis.

5. The operational requirements and emission limits for the VCUs (EPNs VAPCOMB1-3) are as follows:

   A. Waste gas from marine and railcar loading operations shall be routed to VCUs.

   B. The VCUs shall be limited to a maximum combined firing rate of 433.8 MMBtu/hr (HHV).

   C. The VCUs shall achieve 99% control of the CH_4 directed to them.

   D. The VCUs shall be limited and operated as outlined in TCEQ New Source Review (NSR) Air Permit No. 118901/PSDTX1408 Special Conditions.

6. Storage tank throughputs and emission control requirements shall be limited in accordance with the requirements of TCEQ NSR Air Permit No. 118901/PSDTX1408 Special Conditions.

7. The permit holder will limit the hourly and annual loading rates and perform loading operations as required in TCEQ NSR Air Permit No. 118901/PSDTX1408 Special Conditions.

8. The permit holder shall employ the TCEQ 28 VHP leak detection and repair (LDAR) program to monitor the fugitive emission sources as outlined in TCEQ NSR Air Permit No. 118901/PSDTX1408 Special Conditions.

Maintenance, Startup, and Shutdown

9. Convenience landings, pigging operations containing VOC, high volume minor maintenance, startup, and shutdown (MSS) activities and IFR tank MSS activities shall be routed to the temporary VCUs (EPNs TCOMB1-5).

10. The temporary VCUs shall achieve 99% control of the CH_4 in the waste gas directed to them. This shall be ensured by maintaining the temperature in, or immediately downstream of, the combustion chamber above 1100° F whenever waste gas is being vented to them.

11. This permit authorizes the emissions from the planned MSS activities as listed in TCEQ NSR Air Permit No. 118901/PSDTX1408 Special Conditions. Emission from MSS will be minimized in accordance with the associated permit requirements.

Initial Determination of Compliance

12. The permit holder shall perform stack sampling and other testing as required to establish the actual quantities of air contaminants being emitted into the atmosphere from the VCUs (EPNs VAPCOMB1-3) and boilers (EPNs 1A-1C) in accordance with the requirements of TCEQ NSR Air Permit No. 118901/PSDTX1408 Special Conditions. Additionally, the following requirements specific to emission of GHGs shall apply:

A. For EPNs VAPCOMB1-3, a CH_4 destruction and removal efficiency (DRE) of at least 99% must be demonstrated. The minimum operating temperature shall be the average temperature at which compliance with the above was demonstrated.

B. The carbon content (CC) of the fuel for the boilers (EPNs 1A-1C) shall be obtained by using the methods of 40 CFR §98.34(b)(4). The molecular weight (MW) of the fuel shall be determined by the procedures contained in 40 CFR §98.34(a)(6). The fuel gross calorific value (GCV) [high heat value (HHV)] of the fuel shall be determined by the procedures contained in 40 CFR §98.34(a)(6).

Calculation Methodology

13. Calculations of emissions of CO_2, CH_4, and N_2O to determine compliance with the MAERT CO_2e emission limitation shall be calculated in the following manner by the end of the current month for the previous rolling 12-month basis.

A. Any referenced methodology of 40 CFR Part 98 is modified as follows

(1) References to annual measurements are to be construed as a rolling 12-month total if the variable is measured on a monthly or more frequent basis.

(2) References to annual measurements that are not measured at a frequency greater than one month (e.g. quarterly or semiannual) are to be construed as the average of the most recent measurements based on a year (e.g. average of 4 quarterly or 2 semiannual). This is a rolling basis.

B. For each vapor combustor (EPNs VAPCOMB1-3)

(1) Calculate CO_2 emissions using the rolling 12-month average total hydrocarbon content of loading vapors routed to the VCUs assuming 12 pounds of carbon per 14 pounds of VOC vapors.

(2) Use the default CH_4 and N_2O emission factors contained in Table C-2 of 40 CFR Part 98 and the total annual heat input of the collected vapors.

C. For each boiler (EPNs 1A-1C and 2A) and the heater (EPN HTR1)

(1) Calculate CO_2 emissions based on the carbon content and HHV of the fuel.

(2) Use the default CH_4, and N_2O emission factors in Table C-2 of 40 CFR Part 98.

D. Emergency fire water pump engines (EPNs FWP1 and FWP2)

(1) Use the default CO_2, CH_4, and N_2O emission factors contained in Table C-1 and Table C-2 and 40 CFR Part 98.33.

(2) Using hours of non-emergency runtime is acceptable if maximum fuel consumption is assumed.

14. The permit holder shall calculate the CO_2e emissions on a 12-month rolling basis, based on the procedures and Global Warming Potentials (GWP) contained in 40 CFR Part 98, Subpart A, Table A-1, as published on November 29, 2013 (78 FR 71904).

Recordkeeping

15. The following records must be kept at the plant for the life of the permit. All records required in this permit must be made available at the request of personnel from the TCEQ, EPA, or any air pollution control agency with jurisdiction:

    A. A copy of this permit.

    B. Permit application, PI-1 dated 5/15/2014, and subsequent representations submitted to the TCEQ.

    C. A complete copy of the testing reports and records of performance testing completed pursuant to Special Condition No. 12.

16. The following information must be maintained by the holder of this permit in a form suitable for inspection for a period of five years after collection and must be made available upon request to representatives of the TCEQ, EPA, or any local air pollution control program having jurisdiction:

    A. For each emergency engine (EPNs FWP1 and FWP2) hours of operation on a monthly and rolling 12-month basis to show compliance with Special Condition No. 4.

    B. For each VCU (EPNs VAPCOMB1-3)

        (1) Monthly and rolling 12-month CO_2 and CO_2e emissions data in tons;

        (2) Monthly and rolling 12-month fuel flow data. Flowmeters to measure the flow rate of supplemental natural gas to the VCUs shall be installed by January 1, 2016. Prior to that time, the natural gas flowrate to VCUs shall be calculated as required by Permit No. 118901.

    C. For the boilers (EPNs 1A-1C and 2A)

        (1) Monthly and rolling 12-month CO2 and CO2e emissions data in tons;

        (2) Monthly and rolling 12-month fuel consumption data;

        (3) Results of CO2 sampling required by Special Condition No. 12.

    D. For records of MSS:

        (1) Date, time and duration of the event; and

        (2) Emissions from the event.

    E. Records to demonstrate compliance with Special Condition Nos. 6 and 7.

    F. Records required by the monitoring program in Special Condition No. 8.

Emission Sources - Maximum Allowable Emission Rates

Permit Number GHGPSDTX108

This table lists the maximum allowable emission rates of greenhouse gas (GHG) emissions, as defined in Title 30 Texas Administrative Code § 101.1, for all sources of GHG air contaminants on the applicant's property that are authorized by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities authorized by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates
			TPY (4)
BOILERCAP	Boiler 1A to 1C Cap	CO_2 (5)	119,074
		CH_4 (5)	2.21
		N_2O (5)	0.22
		CO_2e	119,195
2A	Small Boiler	CO_2 (5)	6,843
		CH_4 (5)	0.13
		N_2O (5)	0.01
		CO_2e	6,850
HTR1	Hot Oil Heater 1	CO_2 (5)	20,737
		CH_4 (5)	0.39
		N_2O (5)	0.04
		CO_2e	20,758
SHIP FUG	Ship Dock Fugitives	CH_4 (5)	75.59
		CO_2e	1,890
VAPCOMBCAP	Emissions Cap for Vapor Combustors 1-3	CO_2 (5)	207,528
		CH_4 (5)	0.34
		N_2O (5)	3.35
		CO_2e	208,535
TCOMBCAP	Temporary Control Units Caps	CO_2 (5)	10,852
		CH_4 (5)	0.94
		N_2O (5)	0.19
		CO_2e	10,932
FRCAP	Emissions Cap for Floating Roof Tanks	CH_4 (5)	28.91
		CO_2e	723

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates
			TPY (4)
FWP1	Fire Water Pump 1	CO_2 (5)	171
		CH_4 (5)	<0.01
		N_2O (5)	<0.01
		CO_2e	171
FWP2	Fire Water Pump 2	CO_2 (5)	171
		CH_4 (5)	<0.01
		N_2O (5)	<0.01
		CO_2e	171
FUG	Fugitive Emissions	CO_2 (5)	1.01
		CH_4 (5)	21.07
		CO_2e (6)	528
MSS	MSS Activities	CH_4 (5)	0.20
		CO_2e	5

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) CO_2 - carbon dioxide
N_2O - nitrous oxide
CH_4 - methane
CO_2e - carbon dioxide equivalents based on the following Global Warming Potentials (11/2014): CO2 (1), N_2O (298), CH_4(25)
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. These rates include emissions from maintenance, startup, and shutdown.
(5) Emission rate is given for informational purposes only and does not constitute enforceable limit.
(6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: November 6, 2015