

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
KM Liquids Terminals LLC

AUTHORIZING THE OPERATION OF
Kinder Morgan Export Terminal
Special Warehousing and Storage

LOCATED AT
Harris County, Texas
Latitude 29° 43' 24" Longitude 95° 13' 25"
Regulated Entity Number: RN100542877

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: 03875 Issuance Date: _____

For the Commission

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General Terms and Conditions

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

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

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

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

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

Special Terms and Conditions:

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

1. Permit holder shall comply with the following requirements:
 - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
 - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.
 - C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

- D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
 - E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.
 - F. Emission units subject to 40 CFR Part 63, Subpart Y as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.300 which incorporates the 40 CFR Part 63 Subpart by reference.
 - G. Emission units subject to 40 CFR Part 63, Subpart R as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.230 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. Permit holders for sites that have materials handling, construction, roads, streets, alleys, and parking lots shall comply with the following requirements:

- (i) Title 30 TAC § 111.143 (relating to Materials Handling)

- (ii) Title 30 TAC § 111.145 (relating to Construction and Demolition)
 - (iii) Title 30 TAC § 111.147 (relating to Roads, Streets, and Alleys)
 - (iv) Title 30 TAC § 111.149 (relating to Parking Lots)
- D. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
- (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
 - (ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)
 - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: Storage of Volatile Organic Compounds, the permit holder shall comply with the requirements of 30 TAC § 115.112(e)(1).
5. 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 § 115.546(b) (relating to Recordkeeping and Notification Requirements), for notification
 - (xvii) Title 30 TAC § 115.547(4) (relating to Exemptions)
6. The permit holder shall comply with the requirements of 30 TAC § 115.722(b) (relating to Site-wide Cap and Control Requirements) and the requirements of 30 TAC § 115.726(g) (relating to Recordkeeping and Reporting Requirements).
 7. The permit holder shall comply with the requirements of 30 TAC § 115.726(e)(1) for a site claiming exemption under 30 TAC § 115.727(a).
 8. 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)
9. 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)
10. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.
11. For the bulk gasoline terminals specified in 40 CFR Part 63, Subpart R, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.230 incorporated by reference):
- A. Title 40 CFR § 63.420(h), for applicability of the General Provisions of Subpart A
 - B. Title 40 CFR § 63.422(c), (c)(1) - (2) (relating to Standards: Loading Racks)
 - C. Title 40 CFR § 63.424(a) - (d) (relating to Standards: Equipment Leaks)
 - D. Title 40 CFR § 63.424(g) (relating to Standards: Equipment Leaks)
 - E. Title 40 CFR § 63.425(e) - (h) (relating to Test Methods and Procedures)
 - F. Title 40 CFR § 63.428(a) - (b), (g)(1), and (h)(2) - (3) (relating to Reporting and Recordkeeping)
 - G. Title 40 CFR § 63.428(e)(1) - (7), (f)(1) - (2), (g), (g)(3), (h)(4)(i) - (iv) (relating to Reporting and Recordkeeping)
12. 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)

Additional Monitoring Requirements

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

New Source Review Authorization Requirements

- 14. 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

15. 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.
16. 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

17. 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.
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

Unit Summary 14

Applicable Requirements Summary 18

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 |
|-------------------------------|---------------------------------|--------------------------|---------------|--|--|
| CON-1 | LOADING/UNLOADING OPERATIONS | N/A | 115-06 | 30 TAC Chapter 115, Loading and Unloading of VOC | Product Transferred = Gasoline |
| CON-1 | LOADING/UNLOADING OPERATIONS | N/A | 115-07 | 30 TAC Chapter 115, Loading and Unloading of VOC | Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline. |
| CON-1 | LOADING/UNLOADING OPERATIONS | N/A | 63Y-01 | 40 CFR Part 63, Subpart Y | Material Loaded = Gasoline, Throughput = Source with throughput of 10 M barrels or 200 M barrels. |
| CON-1 | LOADING/UNLOADING OPERATIONS | N/A | 63Y-02 | 40 CFR Part 63, Subpart Y | Material Loaded = Material other than crude oil or gasoline. |
| FIRE1 | SRIC ENGINES | N/A | 117-01 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| FIRE1 | SRIC ENGINES | N/A | 60III-01 | 40 CFR Part 60, Subpart III | No changing attributes. |
| FIRE1 | SRIC ENGINES | N/A | 63ZZZZ-01 | 40 CFR Part 63, Subpart ZZZZ | No changing attributes. |
| FIRE2 | SRIC ENGINES | N/A | 117-01 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| FIRE2 | SRIC ENGINES | N/A | 60III-01 | 40 CFR Part 60, Subpart III | No changing attributes. |
| FIRE2 | SRIC ENGINES | N/A | 63ZZZZ-01 | 40 CFR Part 63, Subpart ZZZZ | No changing attributes. |
| FUG | FUGITIVE EMISSION UNITS | N/A | 61J-FUG | 40 CFR Part 61, Subpart J | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|---------------------------------------|--------------------------|--|----------------------|--|---|
| GRP-DEFRT | STORAGE TANKS/VESSELS | 185-301, 185-302, 185-303, 185-304, 185-305, 185-306 | 115-01 | 30 TAC Chapter 115, Storage of VOCs | True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia |
| GRP-DEFRT | STORAGE TANKS/VESSELS | 185-301, 185-302, 185-303, 185-304, 185-305, 185-306 | 115-02 | 30 TAC Chapter 115, Storage of VOCs | True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia |
| GRP-DEFRT | STORAGE TANKS/VESSELS | 185-301, 185-302, 185-303, 185-304, 185-305, 185-306 | 115-03 | 30 TAC Chapter 115, Storage of VOCs | True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| GRP-DEFRT | STORAGE TANKS/VESSELS | 185-301, 185-302, 185-303, 185-304, 185-305, 185-306 | 60KB-01 | 40 CFR Part 60, Subpart Kb | Product Stored = Volatile organic liquid, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia |
| GRP-DEFRT | STORAGE TANKS/VESSELS | 185-301, 185-302, 185-303, 185-304, 185-305, 185-306 | 60KB-02 | 40 CFR Part 60, Subpart Kb | Product Stored = Volatile organic liquid, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia |
| GRP-DEFRT | STORAGE TANKS/VESSELS | 185-301, 185-302, 185-303, 185-304, 185-305, 185-306 | 60KB-03 | 40 CFR Part 60, Subpart Kb | Product Stored = Petroleum liquid (other than petroleum or condensate), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia |
| GRP-DEFRT | STORAGE TANKS/VESSELS | 185-301, 185-302, 185-303, 185-304, 185-305, 185-306 | 60KB-04 | 40 CFR Part 60, Subpart Kb | Product Stored = Petroleum liquid (other than petroleum or condensate), Maximum True |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|---------------------------------------|--------------------------|--|----------------------|--|---|
| | | | | | Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia |
| GRP-DEFRT | STORAGE TANKS/VESSELS | 185-301, 185-302, 185-303, 185-304, 185-305, 185-306 | 63R-01 | 40 CFR Part 63, Subpart R | No changing attributes. |
| GRP-HFRT | STORAGE TANKS/VESSELS | 1-1, 1-2, 1-3 | 115-04 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| GRP-IFRT | STORAGE TANKS/VESSELS | 15-301, 5-301, 85- 301, 85-302, 85- 303, 85-304 | 115-01 | 30 TAC Chapter 115, Storage of VOCs | True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia |
| GRP-IFRT | STORAGE TANKS/VESSELS | 15-301, 5-301, 85- 301, 85-302, 85- 303, 85-304 | 115-02 | 30 TAC Chapter 115, Storage of VOCs | True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia |
| GRP-IFRT | STORAGE TANKS/VESSELS | 15-301, 5-301, 85- 301, 85-302, 85- 303, 85-304 | 115-03 | 30 TAC Chapter 115, Storage of VOCs | True Vapor Pressure = True vapor pressure is less than 1.0 psia |
| GRP-IFRT | STORAGE TANKS/VESSELS | 15-301, 5-301, 85- 301, 85-302, 85- 303, 85-304 | 60KB-01 | 40 CFR Part 60, Subpart Kb | Product Stored = Volatile organic liquid, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia |
| GRP-IFRT | STORAGE TANKS/VESSELS | 15-301, 5-301, 85- 301, 85-302, 85- 303, 85-304 | 60KB-02 | 40 CFR Part 60, Subpart Kb | Product Stored = Volatile organic liquid, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|--|---|---------------|--|---|
| GRP-IFRT | STORAGE TANKS/VESSELS | 15-301, 5-301, 85- 301, 85-302, 85- 303, 85-304 | 60KB-03 | 40 CFR Part 60, Subpart Kb | Product Stored = Petroleum liquid (other than petroleum or condensate), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia |
| GRP-IFRT | STORAGE TANKS/VESSELS | 15-301, 5-301, 85- 301, 85-302, 85- 303, 85-304 | 60KB-04 | 40 CFR Part 60, Subpart Kb | Product Stored = Petroleum liquid (other than petroleum or condensate), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia |
| GRP-IFRT | STORAGE TANKS/VESSELS | 15-301, 5-301, 85- 301, 85-302, 85- 303, 85-304 | 63R-01 | 40 CFR Part 63, Subpart R | No changing attributes. |
| GRP-VCU | INCINERATOR | TKVCU-1, VCU-1, VCU-2, VCU-3 | 117-02 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| LOADFUG | LOADING/UNLOADING OPERATIONS | N/A | 115-05 | 30 TAC Chapter 115, Loading and Unloading of VOC | No changing attributes. |
| SUMP-1&2 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 111-SUMP | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|----------------------------------|--------------------------------|----------------------|------------------|--|--|---|--|--|---|
| CON-1 | EU | 115-06 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.213(d) § 115.212(a)(6)(B) [G]§ 115.212(a)(6)(C) § 115.212(a)(6)(D) § 115.213(d)(3) § 115.213(d)(4) § 115.213(d)(4)(B) [G]§ 115.213(d)(5) [G]§ 115.214(a)(3)(A) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(ii) | As an alternative to §115.212(a)(6)(A), marine terminals may elect to achieve a 90% overall control of emissions at the marine terminal provided that the following requirements are met. | [G]§ 115.214(a)(3)(A) § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) § 115.214(a)(3)(B)(ii) § 115.214(a)(3)(B)(iii) § 115.214(a)(3)(D) § 115.214(a)(3)(E) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) § 115.215(4) § 115.215(5) § 115.215(7) § 115.215(8) § 115.215(9) § 115.216(1) § 115.216(1)(A) § 115.216(1)(A)(iv) | § 115.213(d)(1) [G]§ 115.214(a)(3)(A) § 115.214(a)(3)(D) § 115.216 § 115.216(1) § 115.216(1)(A) § 115.216(1)(A)(iv) § 115.216(2) [G]§ 115.216(4) | § 115.213(d)(1) § 115.213(d)(2) § 115.213(d)(3) |
| CON-1 | EU | 115-07 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.213(d) § 115.212(a)(6)(B) [G]§ 115.212(a)(6)(C) § 115.212(a)(6)(D) § 115.213(d)(3) § 115.213(d)(4) § 115.213(d)(4)(B) [G]§ 115.213(d)(5) [G]§ 115.214(a)(3)(A) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(ii) | As an alternative to §115.212(a)(6)(A), marine terminals may elect to achieve a 90% overall control of emissions at the marine terminal provided that the following requirements are met. | [G]§ 115.214(a)(3)(A) § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) § 115.214(a)(3)(B)(ii) § 115.214(a)(3)(B)(iii) § 115.214(a)(3)(D) § 115.214(a)(3)(E) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) § 115.215(4) § 115.215(5) § 115.215(7) § 115.215(8) § 115.215(9) § 115.216(1) § 115.216(1)(A) § 115.216(1)(A)(iv) | § 115.213(d)(1) [G]§ 115.214(a)(3)(A) § 115.214(a)(3)(D) § 115.216 § 115.216(1) § 115.216(1)(A) § 115.216(1)(A)(iv) § 115.216(2) [G]§ 115.216(4) | § 115.213(d)(1) § 115.213(d)(2) § 115.213(d)(3) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|----------------------------------|--------------------------------|----------------------|------------------|--|--|--|--|--|---|
| | | | | | | | § 115.216(1)(A)(iv) | | |
| CON-1 | 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) [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) |
| CON-1 | 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) | 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) | § 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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|----------------|--|--|---|--|--|---|
| | | | | | § 63.562(e)(7)(ii) § 63.563(a)(2) § 63.563(a)(3) | | [G]§ 63.565(b) [G]§ 63.565(d) § 63.565(f) § 63.565(f)(1) § 63.565(l) | | § 63.567(m) § 63.567(n)(1) § 63.567(n)(2) |
| CON-1 | 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) [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) |
| FIRE1 | EU | 117-01 | EXEMPT | 30 TAC Chapter 117, Subchapter B | [G]§ 117.303(a)(11) [G]§ 117.310(f) | Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, | None | § 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6) | 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) |
|----------------------------------|--------------------------------|----------------------|--------------------------|--|--|--|--|--|--|
| | | | | | | reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B) | | | |
| FIRE1 | EU | 60III-01 | NMHC and NO _x | 40 CFR Part 60, Subpart III | § 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+NO _x emission limit of 4.0 g/KW-hr, as listed in Table 4 to this subpart. | None | None | [G]§ 60.4214(d) |
| FIRE1 | EU | 60III-01 | PM | 40 CFR Part 60, Subpart III | § 60.4205(c)-Table 4 § 60.4206 | Owners and operators of emergency | None | None | [G]§ 60.4214(d) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---|--|-------------------------------------|---|---|
| | | | | | § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 | stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as listed in Table 4 to this subpart. | | | |
| FIRE1 | EU | 63ZZZ-01 | EXEMPT | 40 CFR Part 63, Subpart ZZZZ | § 63.6590(b)(1) § 63.6595(c) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3) | An affected source which meets either of the criteria in paragraphs §63.6590(b)(1)(i)-(ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the initial notification requirements of §63.6645(f). | None | None | § 63.6645(c) § 63.6645(f) |
| FIRE2 | EU | 117-01 | EXEMPT | 30 TAC Chapter 117, Subchapter B | [G]§ 117.303(a)(11) [G]§ 117.310(f) | Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), | None | § 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6) | 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) |
|---------------------------|-------------------------|---------------|--------------------------|---------------------------------------|--|--|-------------------------------------|---|---|
| | | | | | | 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B) | | | |
| FIRE2 | EU | 60III-01 | NMHC and NO _x | 40 CFR Part 60, Subpart III | § 60.4205(c)-Table 4 § 60.4206 [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+NO _x emission limit of 4.0 g/KW-hr, as listed in Table 4 to | None | None | [G]§ 60.4214(d) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|--|--|-------------------------------------|---|---|
| | | | | | | this subpart. | | | |
| FIRE2 | EU | 60III-01 | PM | 40 CFR Part 60, Subpart III | § 60.4205(c)-Table 4 § 60.4206 [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 | Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as listed in Table 4 to this subpart. | None | None | [G]§ 60.4214(d) |
| FIRE2 | EU | 63ZZZ-01 | EXEMPT | 40 CFR Part 63, Subpart ZZZZ | § 63.6590(b)(1) § 63.6595(c) § 63.6640(f)(1) [G]§ 63.6640(f)(2) § 63.6640(f)(3) | An affected source which meets either of the criteria in paragraphs §63.6590(b)(1)(i)-(ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the initial notification requirements of §63.6645(f). | None | None | § 63.6645(c) § 63.6645(f) |
| FUG | EU | 61J-FUG | BENZENE | 40 CFR Part 61, Subpart J | § 61.110(c)(2) | Any equipment in benzene service located at a plant that | None | § 61.110(c)(1) § 61.246(i) § 61.246(i)(1) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---|--|---|---|---|
| | | | | | | is designed to produce or use less than 1,000 megagrams (1,102 tons) of benzene per year are exempt from §61.112. | | | |
| GRP-DEFRT | EU | 115-01 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(D) § 115.112(e)(2)(F) [G]§ 115.112(e)(2)(I) § 115.114(a)(1)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117 | § 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(6)(C) § 115.118(a)(7) | § 115.114(a)(1)(B) § 115.118(a)(3) |
| GRP-DEFRT | EU | 115-02 | 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-DEFRT | EU | 115-03 | VOC | 30 TAC | § 115.111(a)(1) | Except as provided in | [G]§ 115.117 | § 115.118(a)(1) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---|--|---|--|---|
| | | | | Chapter 115, Storage of VOCs | | § 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. | | § 115.118(a)(5) § 115.118(a)(7) | |
| GRP-DEFRT | EU | 60KB-01 | VOC | 40 CFR Part 60, Subpart Kb | § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) | Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix). | § 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) | § 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) |
| GRP-DEFRT | EU | 60KB-02 | VOC | 40 CFR Part 60, Subpart Kb | § 60.110b(a) | Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/84. | § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) | § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.116b(d) |
| GRP-DEFRT | EU | 60KB-03 | VOC | 40 CFR Part 60, Subpart Kb | § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) | Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the | § 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) | § 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|--|--|--|--|---|
| | | | | | § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) | specifications listed in §60.112b(a)(1)(i)-(ix). | § 60.116b(e)(1) § 60.116b(e)(2)(i) | | |
| GRP-DEFRT | EU | 60KB-04 | VOC | 40 CFR Part 60, Subpart Kb | § 60.110b(a) | Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/84. | § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i) | § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.116b(d) |
| GRP-DEFRT | EU | 63R-01 | TOC | 40 CFR Part 63, Subpart R | § 63.423(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) | Bulk gasoline terminals/pipeline breakout stations shall equip gasoline storage vessels with a capacity > 75 m ³ as in § 60.112b(a)(1)-(4), except § 60.112b(a)(1)(iv)-(ix) and § 60.112b(a)(2)(ii). | § 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) § 63.425(d) § 63.427(c) | § 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(c) § 63.427(c) § 63.428(d) | § 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 60.116b(d) § 63.428(d) § 63.428(g) § 63.428(g)(2) |
| GRP-HFRT | EU | 115-04 | 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 |

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-IFRT | EU | 115-01 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(D) § 115.112(e)(2)(F) [G]§ 115.112(e)(2)(I) § 115.114(a)(1)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117 | § 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(6)(C) § 115.118(a)(7) | § 115.114(a)(1)(B) § 115.118(a)(3) |
| GRP-IFRT | EU | 115-02 | 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-IFRT | EU | 115-03 | 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 | [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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---|--|---|--|---|
| | | | | | | division. | | | |
| GRP-IFRT | EU | 60KB-01 | VOC | 40 CFR Part 60, Subpart Kb | § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) | Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix). | § 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) | § 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) |
| GRP-IFRT | EU | 60KB-02 | VOC | 40 CFR Part 60, Subpart Kb | § 60.110b(a) | Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/84. | § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) | § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.116b(d) |
| GRP-IFRT | EU | 60KB-03 | VOC | 40 CFR Part 60, Subpart Kb | § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) | Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix). | § 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i) | § 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) |
| GRP-IFRT | EU | 60KB-04 | VOC | 40 CFR Part 60, Subpart Kb | § 60.110b(a) | Except for §60.110b(b), this subpart applies to | § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.116b(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) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|--|--|---|--|--|
| | | | | | | vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/84. | § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i) | | |
| GRP-IFRT | EU | 63R-01 | TOC | 40 CFR Part 63, Subpart R | § 63.423(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) | Bulk gasoline terminals/pipeline breakout stations shall equip gasoline storage vessels with a capacity > 75 m ³ as in § 60.112b(a)(1)-(4), except § 60.112b(a)(1)(iv)-(ix) and § 60.112b(a)(2)(ii). | § 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) § 63.425(d) § 63.427(c) | § 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(c) § 63.427(c) § 63.428(d) | § 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 60.116b(d) § 63.428(d) § 63.428(g) § 63.428(g)(2) |
| GRP-VCU | EU | 117-02 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) [G]§ 117.310(a)(16) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(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) |
|---------------------------|-------------------------|---------------|-----------|--|--|--|---|--|---|
| | | | | | | electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) | | [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |
| GRP-VCU | EU | 117-02 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(B) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |
| LOADFUG | EU | 115-05 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(5)(B) § 115.212(a)(6)(D) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(iii) | The marine vessel transfer operations specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of §§ 115.212(a), 115.214(a), and 115.216 of this | § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) § 115.215 § 115.215(4) | § 115.216 § 115.216(2) | 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) |
|----------------------------------|--------------------------------|----------------------|------------------|--|--|--|---|--|--|
| | | | | | | title, except as noted. | | | |
| LOADFUG | EU | 115-05 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(5)(B) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(i) | The marine vessel transfer operations specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of §§ 115.212(a), 115.214(a), and 115.216 of this title, except as noted. | § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) | § 115.216 § 115.216(2) | None |
| SUMP-1&2 | EP | 111-SUMP | PM (OPACITY) | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(B) | Visible emissions from any stationary vent shall not exceed an Opacity of 20% averaged over a six-minute period for any source on which construction was begun after January 31, 1972. The emissions from this vent originate from colorless VOCs, non-fuming liquids, or other sources that are not capable of obstructing the transmission of light. These vents are not capable of exceeding the opacity standards of 30 TAC Chapter 111 and therefore no monitoring is required to demonstrate compliance. | None | None | None |

Additional Monitoring Requirements

Periodic Monitoring Summary 34

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|--|--------------------------------|
| ID No.: GRP-VCU | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 117, Subchapter B | SOP Index No.: 117-02 |
| Pollutant: CO | Main Standard: § 117.310(c)(1) |
| Monitoring Information | |
| Indicator: Fuel Usage, CO Emission Factor. | |
| Minimum Frequency: Monthly | |
| Averaging Period: N/A | |
| Deviation Limit: Maximum CO Concentration - 400 ppmv @ 3.0% O ₂ , dry basis. | |
| <p>Periodic Monitoring Text: The units must be operated at all times with a totalizing fuel flow meter, with an accuracy of ± 5%, to individually and continuously measure the fuel usage. Upon the initial stack testing required per §117.335(a)(1), CO emissions must be calculated and recorded monthly utilizing the fuel usage and the unit-specific CO emission factor derived during initial stack testing. Any time the fuel usage is not recorded or if the calculated CO emissions exceed 400 ppmv @ 3.0% O₂, dry basis, shall be reported as a deviation.</p> | |

Permit Shield

Permit Shield 36

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 | | |
| FUG | N/A | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | Unit is not located within or associated with any of the described applicable operations/processes. |
| FUG | N/A | 40 CFR Part 61, Subpart V | Unit does not operate in VHAP service. (All VHAPs<10%) |
| GRP-DEFRT | 185-301, 185-302, 185-303, 185-304, 185-305, 185-306 | 40 CFR Part 63, Subpart EEEE | Tank does not store organic liquids. |
| GRP-HFRT | 1-1, 1-2, 1-3 | 40 CFR Part 60, Subpart Kb | Tank Capacity is less than 75 cubic meters (19,800 gallons). |
| GRP-HFRT | 1-1, 1-2, 1-3 | 40 CFR Part 63, Subpart EEEE | Tank does not store organic liquids. |
| GRP-IFRT | 15-301, 5-301, 85-301, 85-302, 85-303, 85-304 | 40 CFR Part 63, Subpart EEEE | Tank does not store organic liquids. |

New Source Review Authorization References

New Source Review Authorization References..... 38

New Source Review Authorization References by Emission Unit 39

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.

| 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.: 110945 | Issuance Date: 03/04/2015 |

New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|----------------------------------|---------------------------------------|--|
| 1-1 | HORIZONTAL FIXED ROOF TANK | 110945 |
| 1-2 | HORIZONTAL FIXED ROOF TANK | 110945 |
| 1-3 | HORIZONTAL FIXED ROOF TANK | 110945 |
| 15-301 | KB INTERNAL FLOATING ROOF TANK | 110945 |
| 185-301 | KB DOMED EXTERNAL FLOATING ROOF TANK | 110945 |
| 185-302 | KB DOMED EXTERNAL FLOATING ROOF TANK | 110945 |
| 185-303 | KB DOMED EXTERNAL FLOATING ROOF TANK | 110945 |
| 185-304 | KB DOMED EXTERNAL FLOATING ROOF TANK | 110945 |
| 185-305 | KB DOMED EXTERNAL FLOATING ROOF TANK | 110945 |
| 185-306 | KB DOMED EXTERNAL FLOATING ROOF TANK | 110945 |
| 5-301 | KB INTERNAL FLOATING ROOF TANK | 110945 |
| 85-301 | KB INTERNAL FLOATING ROOF TANK | 110945 |
| 85-302 | KB INTERNAL FLOATING ROOF TANK | 110945 |
| 85-303 | KB INTERNAL FLOATING ROOF TANK | 110945 |
| 85-304 | KB INTERNAL FLOATING ROOF TANK | 110945 |
| CON-1 | CONTROLLED MARINE LOADING | 110945 |
| FIRE1 | FIRE WATER PUMP NO. 1 | 110945 |
| FIRE2 | FIRE WATER PUMP NO. 2 | 110945 |
| FUG | FUGITIVE EMISSIONS | 110945 |

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 |
|----------------------------------|---------------------------------------|--|
| LOADFUG | UNCONTROLLED MARINE LOADING | 110945 |
| SUMP-1&2 | WASTEWATER SUMPS NO. 1 AND 2 | 110945 |
| TKVCU-1 | CONTROLLED ROUTINE TANK LANDINGS | 110945 |
| VCU-1 | MARINE LOADING VCU-1 | 110945 |
| VCU-2 | MARINE LOADING VCU-2 | 110945 |
| VCU-3 | MARINE LOADING VCU-3 | 110945 |

Appendix A

Acronym List 42

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 |
| EIP | 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 ₂ S | 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 |