

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO  
ExxonMobil Oil Corporation

AUTHORIZING THE OPERATION OF  
ExxonMobil Oil Beaumont Chemical Plant  
Beaumont Chemical Plant (BMCP)  
Petrochemical Manufacturing

LOCATED AT  
Jefferson County, Texas  
Latitude 30° 4' 5" Longitude 94° 3' 35"  
Regulated Entity Number: RN100542844

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: Q2292 Issuance Date: May 29, 2019

---

For the Commission

## Table of Contents

Section	Page
General Terms and Conditions .....	1
Special Terms and Conditions: .....	1
Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting.....	1
Additional Monitoring Requirements .....	13
New Source Review Authorization Requirements .....	14
Compliance Requirements.....	15
Risk Management Plan .....	16
Protection of Stratospheric Ozone .....	16
Permit Location .....	17
Permit Shield (30 TAC § 122.148) .....	17
Attachments .....	18
Applicable Requirements Summary.....	19
Additional Monitoring Requirements .....	313
Permit Shield .....	366
New Source Review Authorization References .....	447
Appendix A.....	474
Acronym List .....	475
Appendix B.....	476

## **General Terms and Conditions**

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

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

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

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

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

## **Special Terms and Conditions:**

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

1. Permit holder shall comply with the following requirements:
  - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
  - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.
  - C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
  - D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
  - E. Emission units subject to 40 CFR Part 63, Subparts F, G, H, Y, WW, XX, YY, FFFF, ZZZZ, DDDDD, and GGGGG as identified in the attached Applicable Requirements

Summary table are subject to 30 TAC Chapter 113, Subchapter C, §§ 113.110, 113.120, 113.130, 113.300, 113.110, 113.550, 113.560, 113.890, 113.1090, 113.1130, and 113.1160 respectively which incorporates the 40 CFR Part 63 Subparts by reference.

- F. For the purpose of generating discrete emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 4 (Discrete Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
  - (i) Title 30 TAC § 101.372 (relating to General Provisions)
  - (ii) Title 30 TAC § 101.373 (relating to Discrete Emission Reduction Credit Generation and Certification)
  - (iii) Title 30 TAC § 101.374 (relating to Mobile Discrete Emission Reduction Credit Generation and Certification)
  - (iv) Title 30 TAC § 101.378 (relating to Discrete Emission Credit Banking and Trading)
  - (v) The terms and conditions by which the emission limits are established to generate the discrete reduction credit are applicable requirements of this permit
- 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 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<sub>x</sub>, 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 shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.
- (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
- (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
  - (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.
  - (2) Records of all observations shall be maintained.
  - (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier

than one hour after sunrise and no later than one hour before sunset. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

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

- (i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)
- (iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
  - (1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.

- (2) Records of all observations shall be maintained.
  - (3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
  - (4) Compliance Certification:
    - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)
    - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.
- D. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).
- E. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
- (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
  - (ii) Sources with an effective stack height ( $h_e$ ) less than the standard effective stack height ( $H_e$ ), must reduce the allowable emission level by multiplying it by  $[h_e/H_e]^2$  as required in 30 TAC § 111.151(b)
  - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)



- F. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:
  - (i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)
  - (ii) Title 30 TAC § 111.207 (relating to Exception for Recreation, Ceremony, Cooking, and Warmth)
  - (iii) Title 30 TAC § 111.219 (relating to General Requirements for Allowable Outdoor Burning)
  - (iv) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)
- 4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: "Storage of Volatile Organic Compounds," the permit holder shall comply with the requirements of 30 TAC § 115.112(a)(1).
- 5. For industrial wastewater specified in 30 TAC Chapter 115, Subchapter B, the permit holder shall comply with the following requirements:
  - A. Title 30 TAC § 115.145 (relating to Approved Test Methods)
  - B. Title 30 TAC § 115.146 (relating to Recordkeeping Requirements)
  - C. Title 30 TAC § 115.147(1) (relating to Exemptions)
  - D. Title 30 TAC § 115.148 (relating to Determination of Wastewater Characteristics)
- 6. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:
  - A. When filling stationary gasoline storage vessels (Stage I) for motor vehicle fuel dispensing facilities, constructed prior to November 15, 1992, with transfers to stationary storage tanks located at a facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:
    - (i) Title 30 TAC § 115.222(3) (relating to Control Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors
    - (ii) Title 30 TAC § 115.222(6) (relating to Control Requirements)
    - (iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors
    - (iv) Title 30 TAC § 115.226(2)(B) (relating to Recordkeeping Requirements)
- 7. 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)(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) – (15) (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(1) and (4) (relating to Exemptions)

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. 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)
11. For facilities where total annual benzene quantity from waste is greater than or equal to 10 megagrams per year and subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.342(c)(1)(i) - (iii) (relating to Standards: General)
  - B. Title 40 CFR § 61.342(c)(2) (relating to Standards: General)
  - C. For exempting waste streams:

- (i) Title 40 CFR § 61.342(c)(3)(ii)(A) - (C) (relating to Standards: General)
  - D. Title 40 CFR § 61.342(g) (relating to Standards: General)
  - E. Title 40 CFR § 61.350(a) and (b) (relating to Standards: Delay of Repair)
  - F. Title 40 CFR § 61.355(a)(1)(iii), (a)(2), (a)(6), (b), and (c)(1) - (3) (relating to Test Methods, Procedures, and Compliance Provisions)
  - G. Title 40 CFR § 61.355(j) (relating to Test Methods, Procedures, and Compliance Provisions), for calculation procedures
  - H. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)
  - I. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)
  - J. Title 40 CFR § 61.356(b)(2)(i) - (ii) (relating to Recordkeeping Requirements)
  - K. Title 40 CFR § 61.356(b)(5) (relating to Recordkeeping Requirements)
  - L. Title 40 CFR § 61.357(a), (d)(1), (d)(2) (d)(6) and (d)(8) (relating to Reporting Requirements)
  - M. Title 40 CFR § 61.357(d)(3) (relating to Reporting Requirements)
12. For facilities with containers subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.345(a)(1) - (3), (b), and (c) (relating to Standards: Containers)
  - B. Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)
  - C. Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
  - D. Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)
13. For facilities with individual drain systems subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.346(b)(1), (2), (2)(i), (3), (4)(i) - (iv), and (5) (relating to Standards: Individual Drain Systems)
  - B. Title 40 CFR § 61.346(b)(2)(ii)(B) (relating to Standards: Individual Drain Systems), for junction boxes
14. 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.
15. For the chemical manufacturing process specified in 40 CFR Part 63, Subpart F, the permit holder shall comply with 40 CFR § 63.103(a) (relating to General Compliance, Reporting, and Recordkeeping Provisions) (Title 30 TAC Chapter 113, Subchapter C, § 113.110 incorporated by reference).

16. For the chemical manufacturing facilities with a 40 CFR Part 63, Subpart G Group 1 or Group 2 wastewater streams that are also subject to 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):
- A. Title 40 CFR § 63.110(e)(1)(i) and (e)(1)(ii) (relating to Applicability), for 40 CFR Part 63, Subpart G applicability to Group 1 or 2 Wastewater Streams
17. For the chemical manufacturing facilities subject to leak detection requirements in 40 CFR Part 63, Subpart G, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):
- A. General Leak Detection Requirements:
- (i) Title 40 CFR § 63.148(d)(1) - (2), and (e) (relating to Leak Inspection Provisions)
- (ii) Title 40 CFR [G]§ 63.148(c), (g), (g)(1), (g)(2), (h), (h)(1), and (h)(2) (relating to Leak Inspection Provisions), for monitoring and testing requirements
- (iii) Title 40 CFR §§ 63.148(g)(2), (h)(2), (i)(1) - (2), (i)(4)(i) - (viii), (i)(5), (i)(6), and 63.152(a)(1), (3) - (5), for recordkeeping requirements
- (iv) Title 40 CFR §§ 63.148(j), (j)(1), [G]63.151 (b)(1), (b)(2), (b)(2)(i), (j)(1) - (3), 63.152(a)(1), (3) - (5), (b), [G](b)(1), [G](b)(2) and (b)(4), for reporting requirements
- B. For closed vent system or vapor collection systems constructed of hard piping:
- (i) Title 40 CFR § 63.148(b)(1)(ii), (b)(3) (relating to Leak Inspection Provisions), for monitoring and testing requirements
- (ii) Title 40 CFR § 63.148(i)(6) (relating to Leak Inspection Provisions), for recordkeeping requirements
18. For the chemical manufacturing facilities subject to wastewater operations requirements in 40 CFR Part 63, Subpart G, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):
- A. Title 40 CFR § 63.135(a) - (f) (relating to Process Wastewater Provisions - Containers)
- B. Title 40 CFR § 63.136(a) (relating to Process Wastewater Provisions - Individual Drain Systems)
- C. Title 40 CFR § 63.136(b) - (d) (relating to Process Wastewater Provisions - Individual Drain Systems)
19. 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) (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 § 63.566 (relating to Construction and Reconstruction)
  - F. Title 40 CFR § 63.567(a), [G](a)(1), (b), [G](b)(2), [G](b)(4), (b)(5)(ii), [G](e), (f), (g), (g)(2), (h), [G](j), [G](k), (m), [G](n) (relating to Reporting and Recordkeeping Requirements)
20. For benzene laden waste streams from ethylene process facilities subject to 40 CFR Part 63, Subpart YY with total annual benzene quantity from the facility of 10 megagrams per year or more the permit holder shall comply with the following requirements as specified in 40 CFR § 63.1095(b)(2) (Title 30 TAC Chapter 113, Subchapter C, § 113.560 incorporated by reference):
- A. For facilities with waste managed in containers the permit holder shall comply with the following requirements:
    - (i) Title 40 CFR § 61.345(a)(1) - (3), (b), and (c) (relating to Standards: Containers)
    - (ii) Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)
    - (iii) Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
    - (iv) Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)
  - B. For facilities with waste managed in individual drain systems the permit holder shall comply with the following requirements:
    - (i) Title 40 CFR § 61.346(b)(1), (2), (2)(i), (3), (4)(i) - (iv), and (5) (relating to Standards: Individual Drain Systems)
    - (ii) Title 40 CFR § 61.346(b)(2)(ii)(B) (relating to Standards: Individual Drain Systems), for junction boxes
    - (iii) Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)
    - (iv) Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)
21. For miscellaneous chemical process facilities subject to maintenance wastewater requirements as specified in 40 CFR § 63.2485, Table 7, the permit holder shall comply with the requirements of 40 CFR § 63.105 (relating to Maintenance Wastewater Requirements) (Title 30 TAC Chapter 113, Subchapter C, § 113.890 incorporated by reference).
22. For miscellaneous chemical process facilities with Group 2 wastewater streams subject to wastewater operations requirements in 40 CFR Part 63, Subpart FFFF, the permit holder shall comply with the requirements of 40 CFR § 63.132(a), (a)(1), (a)(1)(ii), and (a)(3) as specified in § 63.2485(a) (Title 30 TAC Chapter 113, Subchapter C, § 113.890 incorporated by reference).
23. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established

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

#### **Additional Monitoring Requirements**

24. 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 or minimum frequency 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 either of the following requirements for any bypass of the control device subject to CAM. If the results of the following inspections or monitoring indicate bypass of the control device, the permit holder shall promptly take necessary corrective actions and report a deviation:

- (i) Install a flow indicator that is capable of recording 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
  - (ii) Once a month, the permit holder shall inspect the valves checking the position of the valves and the condition of the car seals. Identify all times when the car seal has been broken and the valve position has been changed to allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere.
- G. 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.
- 25. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

#### **New Source Review Authorization Requirements**

- 26. 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
- 27. 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.
- 28. 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**

29. 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.
30. 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
  - B. The permit holder shall comply with the Initial Control Plan unit listing requirement in 30 TAC § 117.150(c) and (c)(1).
31. 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)-(d)
    - (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)-(d)
    - (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)
32. Use of Discrete Emission Credits to comply with the applicable requirements:

- A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
  - (i) Title 30 TAC Chapter 115
  - (ii) Title 30 TAC Chapter 117
  - (iii) If applicable, offsets for Title 30 TAC Chapter 116
  - (iv) Temporarily exceed state NSR permit allowables
- B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
  - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
  - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
  - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
  - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122
  - (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

### **Risk Management Plan**

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

### **Protection of Stratospheric Ozone**

- 34. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:
  - A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

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

**Permit Location**

- 35. 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)**

- 36. 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 ..... 20**

**Applicable Requirements Summary ..... 50**

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
01CAS#3536	Closed Vent System and Control Device	N/A	63G-36	40 CFR Part 63, Subpart G	Unit Type = Individual drain system
01CAS#3536	Closed Vent System and Control Device	N/A	63G-37	40 CFR Part 63, Subpart G	Unit Type = Container
01CTL#002	Chemical Manufacturing Process	N/A	63F-1	40 CFR Part 63, Subpart F	No changing attributes.
01CVS#3536	Fugitive Emission Units	N/A	63H-5	40 CFR Part 63, Subpart H	No changing attributes.
01FUG#001	Fugitive Emission Units	N/A	R5352-6	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
01FUG#001	Fugitive Emission Units	N/A	63H-1	40 CFR Part 63, Subpart H	No changing attributes.
01HTR#301	Process Heaters/Furnaces	N/A	63DDDDD-4	40 CFR Part 63, Subpart DDDDD	No changing attributes.
01RXT#301	Miscellaneous Units	N/A	63F-48	40 CFR Part 63, Subpart F	No changing attributes.
01RXT#303	Miscellaneous Units	N/A	63F-49	40 CFR Part 63, Subpart F	No changing attributes.
01SCB#305	Miscellaneous Units	N/A	63F-50	40 CFR Part 63, Subpart F	No changing attributes.
01SEP#304	Miscellaneous Units	N/A	63F-51	40 CFR Part 63, Subpart F	No changing attributes.
01TFX#020	Storage Tanks/Vessels	N/A	R5112-2	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
01TFX#020	Storage Tanks/Vessels	N/A	63G-1	40 CFR Part 63, Subpart G	No changing attributes.
01TFX#021	Storage Tanks/Vessels	N/A	R5112-3	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
01TFX#021	Storage Tanks/Vessels	N/A	63G-2	40 CFR Part 63, Subpart G	No changing attributes.
01TFX#022	Storage Tanks/Vessels	N/A	R5112-4	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
01TFX#022	Storage Tanks/Vessels	N/A	63G-3	40 CFR Part 63, Subpart G	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
01TFX#023	Storage Tanks/Vessels	N/A	R5112-5	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
01TFX#023	Storage Tanks/Vessels	N/A	63G-4	40 CFR Part 63, Subpart G	No changing attributes.
01TFX#104	Storage Tanks/Vessels	N/A	R5112-12	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
01TFX#104	Storage Tanks/Vessels	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
01TFX#104	Storage Tanks/Vessels	N/A	63G-6	40 CFR Part 63, Subpart G	No changing attributes.
01TIF#024	Storage Tanks/Vessels	N/A	R5112-6	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
01TIF#024	Storage Tanks/Vessels	N/A	63YY-43	40 CFR Part 63, Subpart YY	No changing attributes.
01TIF#025	Storage Tanks/Vessels	N/A	R5112-7	30 TAC Chapter 115, Storage of VOCs	Control Device Type = Other vapor destruction unit
01TIF#025	Storage Tanks/Vessels	N/A	R5112-8	30 TAC Chapter 115, Storage of VOCs	Control Device Type = Carbon adsorption system
01TIF#025	Storage Tanks/Vessels	N/A	63G-7	40 CFR Part 63, Subpart G	No changing attributes.
01TVD#306	Miscellaneous Units	N/A	63F-52	40 CFR Part 63, Subpart F	No changing attributes.
01VNT_01N	Emission Points/Stationary Vents/Process Vents	N/A	R5121-3	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
01VNT_01S	Emission Points/Stationary Vents/Process Vents	N/A	R5121-3	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
01VNT_104	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
01VNT_3536	Emission Points/Stationary Vents/Process Vents	N/A	R5121-2	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
01VNT_3536	Emission Points/Stationary Vents/Process Vents	N/A	63G-26	40 CFR Part 63, Subpart G	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
02BAG_590	Emission Points/Stationary Vents/Process Vents	N/A	R5121-3	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
02HTR#302	Process Heaters/Furnaces	N/A	63DDDDD-3	40 CFR Part 63, Subpart DDDDD	No changing attributes.
02HTR#500	Process Heaters/Furnaces	N/A	63DDDDD-3	40 CFR Part 63, Subpart DDDDD	No changing attributes.
02HTR#501	Process Heaters/Furnaces	N/A	63DDDDD-3	40 CFR Part 63, Subpart DDDDD	No changing attributes.
02HTR#622	Process Heaters/Furnaces	N/A	63DDDDD-3	40 CFR Part 63, Subpart DDDDD	No changing attributes.
02HTR#632	Process Heaters/Furnaces	N/A	63DDDDD-3	40 CFR Part 63, Subpart DDDDD	No changing attributes.
02HTR#635	Process Heaters/Furnaces	N/A	63DDDDD-3	40 CFR Part 63, Subpart DDDDD	No changing attributes.
02LTR#001	Loading/Unloading Operations	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	True Vapor Pressure = True vapor pressure less than 0.5 psia.
02LTR#001	Loading/Unloading Operations	N/A	R5211-2	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 = Loading less than 20,000 gallons per day.
02PUM#593	Emission Points/Stationary Vents/Process Vents	N/A	R5121-4	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
02SCB_3167	Emission Points/Stationary Vents/Process Vents	N/A	R5121-19	30 TAC Chapter 115, Vent Gas Controls	VOC Concentration = VOC concentration is less than 612 ppmv.



### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
02SCB_3167	Emission Points/Stationary Vents/Process Vents	N/A	R5121-20	30 TAC Chapter 115, Vent Gas Controls	Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg).
02TFX#503	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
02TFX#504	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
02TFX#505	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
02TFX#511	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
02TFX#512	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
02TFX#516	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
02TFX#563	Emission Points/Stationary Vents/Process Vents	N/A	R5121-5	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
02TFX#569	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
02TFX#588	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
02TFX#598	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
02TOT#126	Emission Points/Stationary Vents/Process Vents	N/A	R5121-6	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
02TOT#138	Emission Points/Stationary Vents/Process Vents	N/A	R5121-7	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
02TOT#510	Emission Points/Stationary Vents/Process Vents	N/A	R5121-8	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
02TOT#511	Emission Points/Stationary Vents/Process Vents	N/A	R5121-9	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
02TOT#512	Emission Points/Stationary Vents/Process Vents	N/A	R5121-10	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
02TOT#513	Emission Points/Stationary Vents/Process Vents	N/A	R5121-11	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
02TOT#6544	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
02TOT#6602	Emission Points/Stationary Vents/Process Vents	N/A	R5121-12	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
02TOT#6603	Emission Points/Stationary Vents/Process Vents	N/A	R5121-13	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
02TOT#6604	Emission Points/Stationary Vents/Process Vents	N/A	R5121-14	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
02TOT#6605	Emission Points/Stationary Vents/Process Vents	N/A	R5121-15	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
02TOT#6606	Emission Points/Stationary Vents/Process Vents	N/A	R5121-16	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
02TOT#6607	Emission Points/Stationary Vents/Process Vents	N/A	R5121-17	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
02TOT#6628	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
02TOT#6629	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
02VNT_257	Emission Points/Stationary Vents/Process Vents	N/A	R5121-18	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
02VNT_325	Emission Points/Stationary Vents/Process Vents	N/A	R5121-22	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
02VNT_502	Emission Points/Stationary Vents/Process Vents	N/A	R5121-23	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
02VNT_520	Emission Points/Stationary Vents/Process Vents	N/A	R5121-24	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
02VNT_6240	Emission Points/Stationary Vents/Process Vents	N/A	R5121-25	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
02VNT_6340	Emission Points/Stationary Vents/Process Vents	N/A	R5121-26	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
02VNT_6360	Emission Points/Stationary Vents/Process Vents	N/A	R5121-27	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
02VNT_6370	Emission Points/Stationary Vents/Process Vents	N/A	R5121-28	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
03FUG#001	Fugitive Emission Units	N/A	R5352-7	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
03FUG#001	Fugitive Emission Units	N/A	63H-2	40 CFR Part 63, Subpart H	No changing attributes.
03RXT#8400	Miscellaneous Units	N/A	63F-53	40 CFR Part 63, Subpart F	No changing attributes.
03RXT#8401	Miscellaneous Units	N/A	63F-54	40 CFR Part 63, Subpart F	No changing attributes.
03SEP#8413	Miscellaneous Units	N/A	63F-55	40 CFR Part 63, Subpart F	No changing attributes.
03TIF#019	Storage Tanks/Vessels	N/A	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
03TIF#019	Water Separation	N/A	R5131-1	30 TAC Chapter 115, Water Separation	No changing attributes.
03TIF#019	Storage Tanks/Vessels	N/A	60Kb-1	40 CFR Part 60, Subpart Kb	No changing attributes.
03TIF#019	Storage Tanks/Vessels	N/A	63G-23	40 CFR Part 63, Subpart G	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
03TIF#019	Storage Tanks/Vessels	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
03TVD#8402	Miscellaneous Units	N/A	63F-56	40 CFR Part 63, Subpart F	No changing attributes.
03TVD#8403	Miscellaneous Units	N/A	63F-57	40 CFR Part 63, Subpart F	No changing attributes.
04CAS#033	Miscellaneous Units	N/A	63YY-01	40 CFR Part 63, Subpart YY	No changing attributes.
04CAS#034	Miscellaneous Units	N/A	63YY-01	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#001	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#030	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#031	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#032	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#033	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#034	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#035	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#036	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#037	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#038	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#039	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
04CTL#040	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#041	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#042	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#043	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#044	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#045	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#046	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#047	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#048	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#049	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#050	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CTL#051	Industrial Process Cooling Towers	N/A	63YY-02	40 CFR Part 63, Subpart YY	No changing attributes.
04CVS#033	Closed Vent System and Control Device	N/A	61FF-4	40 CFR Part 61, Subpart FF	No changing attributes.
04CVS#034	Closed Vent System and Control Device	N/A	61FF-5	40 CFR Part 61, Subpart FF	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
04ENG#001	SRIC Engines	N/A	60III-3	40 CFR Part 60, Subpart IIII	No changing attributes.
04ENG#001	SRIC Engines	N/A	63ZZZZ-3	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
04FUG#001	Fugitive Emission Units	N/A	R5352-1	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
04FUG#001	Fugitive Emission Units	N/A	63YY-05	40 CFR Part 63, Subpart YY	No changing attributes.
04FUG#003	Fugitive Emission Units	N/A	R5352-2	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
04FUG#003	Fugitive Emission Units	N/A	63YY-06	40 CFR Part 63, Subpart YY	No changing attributes.
04HTR#201	Process Heaters/Furnaces	N/A	63DDDDD-3	40 CFR Part 63, Subpart DDDDD	No changing attributes.
04HTR#401	Process Heaters/Furnaces	N/A	63DDDDD-3	40 CFR Part 63, Subpart DDDDD	No changing attributes.
04HTR#403	Process Heaters/Furnaces	N/A	63DDDDD-4	40 CFR Part 63, Subpart DDDDD	No changing attributes.
04TFX#010	Storage Tanks/Vessels	N/A	R5112-16	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
04TFX#010	Storage Tanks/Vessels	N/A	63YY-07	40 CFR Part 63, Subpart YY	No changing attributes.
04TFX#012	Storage Tanks/Vessels	N/A	R5112-17	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
04TFX#012	Storage Tanks/Vessels	N/A	63YY-8	40 CFR Part 63, Subpart YY	No changing attributes.
04TFX#304	Storage Tanks/Vessels	N/A	63YY-8	40 CFR Part 63, Subpart YY	No changing attributes.
04TFX#3269	Storage Tanks/Vessels	N/A	63YY-8	40 CFR Part 63, Subpart YY	No changing attributes.
04VNT_103	Emission Points/Stationary Vents/Process Vents	N/A	R5121-29	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
05DEG#001	Solvent Degreasing Machines	N/A	R5412	30 TAC Chapter 115, Degreasing Processes	No changing attributes.
05LFS#002	Volatile Organic Compound Water Separators	N/A	R5131	30 TAC Chapter 115, Water Separation	No changing attributes.
05LRA#001	Loading/Unloading Operations	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
05LTK#615	Loading/Unloading Operations	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	True Vapor Pressure = True vapor pressure less than 0.5 psia.
05LTK#615	Loading/Unloading Operations	N/A	R5211-2	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 = Loading less than 20,000 gallons per day.
05TCS#614	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
05TCS#614	Volatile Organic Compound Water Separators	N/A	R5131	30 TAC Chapter 115, Water Separation	No changing attributes.
05TFX#102	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
05TFX#411	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
05TFX#415	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
05TFX#430	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
05TFX#442	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
05TFX#606	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
05TFX#606	Volatile Organic Compound Water Separators	N/A	R5131	30 TAC Chapter 115, Water Separation	No changing attributes.
05TFX#611	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
05TFX#611	Volatile Organic Compound Water Separators	N/A	R5131	30 TAC Chapter 115, Water Separation	No changing attributes.
05TOT#120	Emission Points/Stationary Vents/Process Vents	N/A	R5121-30	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
05VSL#123	Emission Points/Stationary Vents/Process Vents	N/A	R5121-31	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
06TFX#076	Storage Tanks/Vessels	N/A	R5112-23	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
06TFX#076	Storage Tanks/Vessels	N/A	63G-22	40 CFR Part 63, Subpart G	No changing attributes.
06TFX#076	Storage Tanks/Vessels	N/A	63YY-41	40 CFR Part 63, Subpart YY	No changing attributes.
06TFX#4051	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
06TFX#4052	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
06TPR#009	Storage Tanks/Vessels	N/A	R5112-15	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
06TPR#028	Storage Tanks/Vessels	N/A	R5112-18	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
06TPR#028	Storage Tanks/Vessels	N/A	63YY-9	40 CFR Part 63, Subpart YY	No changing attributes.
06TPR#029	Storage Tanks/Vessels	N/A	R5112-19	30 TAC Chapter 115, Storage of VOCs	No changing attributes.



### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
06TPR#029	Storage Tanks/Vessels	N/A	63YY-39	40 CFR Part 63, Subpart YY	No changing attributes.
06TPR#030	Storage Tanks/Vessels	N/A	R5112-20	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
06TPR#030	Storage Tanks/Vessels	N/A	63YY-40	40 CFR Part 63, Subpart YY	No changing attributes.
06TPR#049	Storage Tanks/Vessels	N/A	R5112-21	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
06TPR#049	Storage Tanks/Vessels	N/A	63YY-40	40 CFR Part 63, Subpart YY	No changing attributes.
06TPR#063	Storage Tanks/Vessels	N/A	R5112-22	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
06TPR#063	Storage Tanks/Vessels	N/A	63YY-41	40 CFR Part 63, Subpart YY	No changing attributes.
06TSP#001	Storage Tanks/Vessels	N/A	R5112-13	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
06TSP#001	Storage Tanks/Vessels	N/A	63YY-38	40 CFR Part 63, Subpart YY	No changing attributes.
06TSP#002	Storage Tanks/Vessels	N/A	R5112-14	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
06WWT#101	Wastewater Units	N/A	115-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
06WWT#108A	Wastewater Units	N/A	115-2	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
06WWT#108B	Wastewater Units	N/A	115-3	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
06WWT#109	Wastewater Units	N/A	115-4	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
07CTL#001	Industrial Process Cooling Towers	N/A	63FFFF-12	40 CFR Part 63, Subpart FFFF	No changing attributes.
07CTL#002	Industrial Process Cooling Towers	N/A	63FFFF-13	40 CFR Part 63, Subpart FFFF	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
07CVS#613	Miscellaneous Units	N/A	63FFFF-15	40 CFR Part 63, Subpart FFFF	No changing attributes.
07DTC_7103	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07HTR#7701	Boilers/Steam Generators/Steam Generating Units	N/A	60Dc	40 CFR Part 60, Subpart Dc	No changing attributes.
07HTR#7701	Boilers/Steam Generators/Steam Generating Units	N/A	63DDDDD-1	40 CFR Part 63, Subpart DDDDD	No changing attributes.
07HTR#7708	Boilers/Steam Generators/Steam Generating Units	N/A	60Dc	40 CFR Part 60, Subpart Dc	No changing attributes.
07HTR#7708	Boilers/Steam Generators/Steam Generating Units	N/A	63DDDDD-3	40 CFR Part 63, Subpart DDDDD	No changing attributes.
07LRC#001	Loading/Unloading Operations	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
07LTR#001	Loading/Unloading Operations	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
07SCB#207	Emission Points/Stationary Vents/Process Vents	N/A	R5121-32	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
07SCB#7612	Miscellaneous Units	N/A	63FFFF-14	40 CFR Part 63, Subpart FFFF	No changing attributes.
07TFX#107R	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
07TFX#113	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#115R	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#137R	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#180	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#401	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#425	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#426	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#428	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#431	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#432	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#433	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#434	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#435	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#436	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
07TFX#443	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#444	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#445	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#446	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#446	Storage Tanks/Vessels	N/A	63FFFF-09	40 CFR Part 63, Subpart FFFF	No changing attributes.
07TFX#447	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#448	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#521	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#527	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#600	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#601R	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#602	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#603R	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#604	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
07TFX#605	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#607	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#615	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#615	Volatile Organic Compound Water Separators	N/A	R5131	30 TAC Chapter 115, Water Separation	No changing attributes.
07TFX#625	Emission Points/Stationary Vents/Process Vents	N/A	R5121-33	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
07TFX#7129	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#7129	Volatile Organic Compound Water Separators	N/A	R5131	30 TAC Chapter 115, Water Separation	No changing attributes.
07TFX#7598	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#7599	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#7600	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#7701	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#7801	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#8061	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TFX#8061	Volatile Organic Compound Water Separators	N/A	R5131	30 TAC Chapter 115, Water Separation	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
07TIF#7502	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TIF#7800	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
07TOT#103	Emission Points/Stationary Vents/Process Vents	N/A	R5121-34	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
07TOT#148	Emission Points/Stationary Vents/Process Vents	N/A	R5121-35	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
07TOT#149	Emission Points/Stationary Vents/Process Vents	N/A	R5121-36	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
07TOT#151	Emission Points/Stationary Vents/Process Vents	N/A	R5121-37	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
07TOT#7570	Emission Points/Stationary Vents/Process Vents	N/A	R5121-38	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
07VNT_7601	Emission Points/Stationary Vents/Process Vents	N/A	63FFFF-02	40 CFR Part 63, Subpart FFFF	No changing attributes.
07VNT_7610	Emission Points/Stationary Vents/Process Vents	N/A	63FFFF-04	40 CFR Part 63, Subpart FFFF	No changing attributes.
07VNT_7611	Emission Points/Stationary Vents/Process Vents	N/A	63FFFF-05	40 CFR Part 63, Subpart FFFF	No changing attributes.
07VNT_7626	Emission Points/Stationary Vents/Process Vents	N/A	63FFFF-03	40 CFR Part 63, Subpart FFFF	No changing attributes.
07WWS#001	Miscellaneous Units	N/A	63FFFF-01	40 CFR Part 63, Subpart FFFF	No changing attributes.
08BLR#9201	Process Heaters/Furnaces	N/A	63DDDDD-1	40 CFR Part 63, Subpart DDDDD	No changing attributes.
08BLR#9400	Process Heaters/Furnaces	N/A	63DDDDD-1	40 CFR Part 63, Subpart DDDDD	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
08BLR#9401	Process Heaters/Furnaces	N/A	63DDDDD-1	40 CFR Part 63, Subpart DDDDD	No changing attributes.
08BLR#9402	Process Heaters/Furnaces	N/A	63DDDDD-1	40 CFR Part 63, Subpart DDDDD	No changing attributes.
08CTL#9601	Chemical Manufacturing Process	N/A	63F-2	40 CFR Part 63, Subpart F	No changing attributes.
08ENG#001	SRIC Engines	N/A	60III-2	40 CFR Part 60, Subpart III	No changing attributes.
08ENG#001	SRIC Engines	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
08FUG#001	Fugitive Emission Units	N/A	R5352-8	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
08FUG#001	Fugitive Emission Units	N/A	63H-3	40 CFR Part 63, Subpart H	No changing attributes.
08HTR#9301	Process Heaters/Furnaces	N/A	63DDDDD-1	40 CFR Part 63, Subpart DDDDD	No changing attributes.
08LWF#001	Loading/Unloading Operations	N/A	61BB-1	40 CFR Part 61, Subpart BB	Benzene By Weight = Concentration of benzene by weight in the liquid which is loaded is greater than or equal to 70% benzene by weight., Loading Location = Marine loading only., Subpart BB Control Device Type = Incinerator other than a catalytic incinerator., Intermittent Control Device = The control device does not operate intermittently., Diverted Gas Stream = The vent gas stream cannot be diverted from the control device.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
08LWF#001	Loading/Unloading Operations	N/A	61BB-2	40 CFR Part 61, Subpart BB	Benzene By Weight = Concentration of benzene by weight in the liquid which is loaded is less than 70% benzene by weight.
08LWF#001	Loading/Unloading Operations	N/A	63Y-3	40 CFR Part 63, Subpart Y	No changing attributes.
08RXT#9301	Emission Points/Stationary Vents/Process Vents	N/A	63G-27	40 CFR Part 63, Subpart G	No changing attributes.
08SEP#9302	Emission Points/Stationary Vents/Process Vents	N/A	63G-28	40 CFR Part 63, Subpart G	No changing attributes.
08TFX#037	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
08TFX#037	Storage Tanks/Vessels	N/A	63G-8	40 CFR Part 63, Subpart G	No changing attributes.
08TFX#038	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
08TFX#038	Storage Tanks/Vessels	N/A	63G-9	40 CFR Part 63, Subpart G	No changing attributes.
08TFX#9601	Storage Tanks/Vessels	N/A	R5112-24	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
08TFX#9601	Storage Tanks/Vessels	N/A	63G-10	40 CFR Part 63, Subpart G	No changing attributes.
08TFX#9602	Storage Tanks/Vessels	N/A	R5112-25	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
08TFX#9602	Storage Tanks/Vessels	N/A	63G-11	40 CFR Part 63, Subpart G	No changing attributes.
08TFX#9607	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
08TFX#9607	Storage Tanks/Vessels	N/A	63G-12	40 CFR Part 63, Subpart G	No changing attributes.
08TFX#9608	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.



### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
08TFX#9608	Storage Tanks/Vessels	N/A	63G-13	40 CFR Part 63, Subpart G	No changing attributes.
08TFX#9609	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
08TFX#9609	Storage Tanks/Vessels	N/A	63G-14	40 CFR Part 63, Subpart G	No changing attributes.
08TFX#9610	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
08TFX#9610	Storage Tanks/Vessels	N/A	63G-15	40 CFR Part 63, Subpart G	No changing attributes.
08TIF#032	Storage Tanks/Vessels	N/A	R5112-10	30 TAC Chapter 115, Storage of VOCs	Control Device Type = Flare
08TIF#032	Storage Tanks/Vessels	N/A	R5112-9	30 TAC Chapter 115, Storage of VOCs	Control Device Type = Other vapor destruction unit
08TIF#032	Storage Tanks/Vessels	N/A	63G-17	40 CFR Part 63, Subpart G	Control Device Design = The control device was not installed on or before December 31, 1992 or was not designed to reduce inlet emissions of total organic hazardous air pollutants by greater than or equal to 90% and less than 95%., Control Device Type = Thermal incinerator, Design Evaluation Submitted = Results of a performance test was submitted to demonstrate compliance with 40 CFR § 63.119(e).
08TIF#032	Storage Tanks/Vessels	N/A	63G-18	40 CFR Part 63, Subpart G	Control Device Type = Flare
08TIF#9620	Storage Tanks/Vessels	N/A	R5112-26	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
08TIF#9620	Storage Tanks/Vessels	N/A	63G-16	40 CFR Part 63, Subpart G	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
08TVD#9203	Emission Points/Stationary Vents/Process Vents	N/A	63G-29	40 CFR Part 63, Subpart G	No changing attributes.
08TVD#9404	Miscellaneous Units	N/A	63F-58	40 CFR Part 63, Subpart F	No changing attributes.
08TVD#9405	Emission Points/Stationary Vents/Process Vents	N/A	63G-31	40 CFR Part 63, Subpart G	No changing attributes.
08TVD#9406	Emission Points/Stationary Vents/Process Vents	N/A	63G-32	40 CFR Part 63, Subpart G	No changing attributes.
08TVD#9407	Emission Points/Stationary Vents/Process Vents	N/A	63G-33	40 CFR Part 63, Subpart G	No changing attributes.
08VSL#9300	Emission Points/Stationary Vents/Process Vents	N/A	63G-27	40 CFR Part 63, Subpart G	No changing attributes.
08VSL#9411	Emission Points/Stationary Vents/Process Vents	N/A	63G-27	40 CFR Part 63, Subpart G	No changing attributes.
08VSL#9501	Emission Points/Stationary Vents/Process Vents	N/A	63G-35	40 CFR Part 63, Subpart G	No changing attributes.
08VSL#9502	Emission Points/Stationary Vents/Process Vents	N/A	63G-35	40 CFR Part 63, Subpart G	No changing attributes.
08VSL#9503	Emission Points/Stationary Vents/Process Vents	N/A	63G-35	40 CFR Part 63, Subpart G	No changing attributes.
08VSL#9504	Emission Points/Stationary Vents/Process Vents	N/A	63G-35	40 CFR Part 63, Subpart G	No changing attributes.
08VSL#9505	Emission Points/Stationary Vents/Process Vents	N/A	63G-35	40 CFR Part 63, Subpart G	No changing attributes.
08VSL#9512	Emission Points/Stationary Vents/Process Vents	N/A	63G-35	40 CFR Part 63, Subpart G	No changing attributes.
08VSL#9513	Emission Points/Stationary Vents/Process Vents	N/A	63G-35	40 CFR Part 63, Subpart G	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
08VSL#9520	Emission Points/Stationary Vents/Process Vents	N/A	63G-27	40 CFR Part 63, Subpart G	No changing attributes.
08VSL#L501	Emission Points/Stationary Vents/Process Vents	N/A	63G-35	40 CFR Part 63, Subpart G	No changing attributes.
08VSL#L502	Emission Points/Stationary Vents/Process Vents	N/A	63G-35	40 CFR Part 63, Subpart G	No changing attributes.
08VSL#L503	Emission Points/Stationary Vents/Process Vents	N/A	63G-35	40 CFR Part 63, Subpart G	No changing attributes.
08VSL#L504	Emission Points/Stationary Vents/Process Vents	N/A	63G-35	40 CFR Part 63, Subpart G	No changing attributes.
08VSL#L505	Emission Points/Stationary Vents/Process Vents	N/A	63G-35	40 CFR Part 63, Subpart G	No changing attributes.
09CAS#031	Miscellaneous Units	N/A	63YY-16	40 CFR Part 63, Subpart YY	No changing attributes.
09CTL#003	Industrial Process Cooling Towers	N/A	63YY-17	40 CFR Part 63, Subpart YY	No changing attributes.
09CVS#031	Closed Vent System and Control Device	N/A	61FF-7	40 CFR Part 61, Subpart FF	No changing attributes.
09FRN#210A	Process Heaters/Furnaces	N/A	R7ICI-4	30 TAC Chapter 117, Subchapter B	No changing attributes.
09FRN#210A	Process Heaters/Furnaces	N/A	63YY-42	40 CFR Part 63, Subpart YY	No changing attributes.
09FRN#210B	Process Heaters/Furnaces	N/A	R7ICI-4	30 TAC Chapter 117, Subchapter B	No changing attributes.
09FRN#210B	Process Heaters/Furnaces	N/A	63YY-42	40 CFR Part 63, Subpart YY	No changing attributes.
09FRN#210C	Process Heaters/Furnaces	N/A	R7ICI-4	30 TAC Chapter 117, Subchapter B	No changing attributes.
09FRN#210C	Process Heaters/Furnaces	N/A	63YY-42	40 CFR Part 63, Subpart YY	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
09FRN#210D	Process Heaters/Furnaces	N/A	R7ICI-4	30 TAC Chapter 117, Subchapter B	No changing attributes.
09FRN#210D	Process Heaters/Furnaces	N/A	63YY-42	40 CFR Part 63, Subpart YY	No changing attributes.
09FRN#210E	Process Heaters/Furnaces	N/A	R7ICI-4	30 TAC Chapter 117, Subchapter B	No changing attributes.
09FRN#210E	Process Heaters/Furnaces	N/A	63YY-42	40 CFR Part 63, Subpart YY	No changing attributes.
09FRN#210F	Process Heaters/Furnaces	N/A	R7ICI-4	30 TAC Chapter 117, Subchapter B	No changing attributes.
09FRN#210F	Process Heaters/Furnaces	N/A	63YY-42	40 CFR Part 63, Subpart YY	No changing attributes.
09FUG#001	Fugitive Emission Units	N/A	R5352-4	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
09FUG#001	Fugitive Emission Units	N/A	63YY-20	40 CFR Part 63, Subpart YY	No changing attributes.
09TFX#2110	Storage Tanks/Vessels	N/A	R5112-27	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
10BLR#690A	Boilers/Steam Generators/Steam Generating Units	N/A	R7ICI-24	30 TAC Chapter 117, Subchapter B	No changing attributes.
10BLR#690A	Boilers/Steam Generators/Steam Generating Units	N/A	63DDDDD-1	40 CFR Part 63, Subpart DDDDD	No changing attributes.
10BLR#690B	Boilers/Steam Generators/Steam Generating Units	N/A	R7ICI-25	30 TAC Chapter 117, Subchapter B	No changing attributes.
10BLR#690B	Boilers/Steam Generators/Steam Generating Units	N/A	63DDDDD-1	40 CFR Part 63, Subpart DDDDD	No changing attributes.
10CAS#032	Miscellaneous Units	N/A	63YY-25	40 CFR Part 63, Subpart YY	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
10CTL#004	Industrial Process Cooling Towers	N/A	63YY-25	40 CFR Part 63, Subpart YY	No changing attributes.
10CVS#032	Closed Vent System and Control Device	N/A	61FF-8	40 CFR Part 61, Subpart FF	No changing attributes.
10ENG#113	SRIC Engines	N/A	60III-2	40 CFR Part 60, Subpart III	No changing attributes.
10ENG#113	SRIC Engines	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
10ENG#116	SRIC Engines	N/A	60III-2	40 CFR Part 60, Subpart III	No changing attributes.
10ENG#116	SRIC Engines	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
10FRN#610A	Process Heaters/Furnaces	N/A	R7ICI-4	30 TAC Chapter 117, Subchapter B	No changing attributes.
10FRN#610A	Process Heaters/Furnaces	N/A	63YY-42	40 CFR Part 63, Subpart YY	No changing attributes.
10FRN#610B	Process Heaters/Furnaces	N/A	R7ICI-4	30 TAC Chapter 117, Subchapter B	No changing attributes.
10FRN#610B	Process Heaters/Furnaces	N/A	63YY-42	40 CFR Part 63, Subpart YY	No changing attributes.
10FRN#610C	Process Heaters/Furnaces	N/A	R7ICI-4	30 TAC Chapter 117, Subchapter B	No changing attributes.
10FRN#610C	Process Heaters/Furnaces	N/A	63YY-42	40 CFR Part 63, Subpart YY	No changing attributes.
10FRN#610D	Process Heaters/Furnaces	N/A	R7ICI-4	30 TAC Chapter 117, Subchapter B	No changing attributes.
10FRN#610D	Process Heaters/Furnaces	N/A	63YY-42	40 CFR Part 63, Subpart YY	No changing attributes.
10FRN#615A	Process Heaters/Furnaces	N/A	R7ICI-4	30 TAC Chapter 117, Subchapter B	No changing attributes.
10FRN#615A	Process Heaters/Furnaces	N/A	63YY-42	40 CFR Part 63, Subpart YY	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
10FRN#615B	Process Heaters/Furnaces	N/A	R7ICI-4	30 TAC Chapter 117, Subchapter B	No changing attributes.
10FRN#615B	Process Heaters/Furnaces	N/A	63YY-42	40 CFR Part 63, Subpart YY	No changing attributes.
10FRN#630A	Process Heaters/Furnaces	N/A	63YY-42	40 CFR Part 63, Subpart YY	No changing attributes.
10FRN#630B	Process Heaters/Furnaces	N/A	63YY-42	40 CFR Part 63, Subpart YY	No changing attributes.
10FUG#001	Fugitive Emission Units	N/A	R5352-5	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
10FUG#001	Fugitive Emission Units	N/A	63YY-27	40 CFR Part 63, Subpart YY	No changing attributes.
10TFX#6110	Storage Tanks/Vessels	N/A	R5112-13	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
11CAS#043	Closed Vent System and Control Device	N/A	63G-38	40 CFR Part 63, Subpart G	No changing attributes.
11CVS#9601	Fugitive Emission Units	N/A	63H-9	40 CFR Part 63, Subpart H	No changing attributes.
11CVS#9603	Fugitive Emission Units	N/A	63H-10	40 CFR Part 63, Subpart H	No changing attributes.
11CVS#9604	Fugitive Emission Units	N/A	63H-11	40 CFR Part 63, Subpart H	No changing attributes.
11ENG#003	SRIC Engines	N/A	60III-4	40 CFR Part 60, Subpart III	No changing attributes.
11ENG#003	SRIC Engines	N/A	63ZZZZ-4	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
11ENG#039	SRIC Engines	N/A	63ZZZZ-5	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
11ENG#041	SRIC Engines	N/A	60III-1	40 CFR Part 60, Subpart III	No changing attributes.
11ENG#041	SRIC Engines	N/A	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
11FLR#041	Flares	N/A	R1111-3	30 TAC Chapter 111, Visible Emissions	No changing attributes.
11FLR#041	Flares	N/A	60A-3	40 CFR Part 60, Subpart A	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
11FLR#041	Flares	N/A	63A-1	40 CFR Part 63, Subpart A	No changing attributes.
11FLR#042	Flares	N/A	R1111-4	30 TAC Chapter 111, Visible Emissions	No changing attributes.
11FLR#042	Flares	N/A	60A-4	40 CFR Part 60, Subpart A	No changing attributes.
11FLR#042	Flares	N/A	63A-2	40 CFR Part 63, Subpart A	No changing attributes.
11FLR#043	Flares	N/A	R1111-5	30 TAC Chapter 111, Visible Emissions	No changing attributes.
11FLR#043	Flares	N/A	60A-5	40 CFR Part 60, Subpart A	No changing attributes.
11FLR#043	Flares	N/A	63A-3	40 CFR Part 63, Subpart A	No changing attributes.
11FLR#613	Flares	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
11FLR#613	Flares	N/A	63A	40 CFR Part 63, Subpart A	No changing attributes.
11FLR#9601	Flares	N/A	R1111-6	30 TAC Chapter 111, Visible Emissions	No changing attributes.
11FLR#9601	Flares	N/A	60A-6	40 CFR Part 60, Subpart A	No changing attributes.
11FLR#9601	Flares	N/A	63A-4	40 CFR Part 63, Subpart A	No changing attributes.
11FUG#001	Fugitive Emission Units	N/A	R5352-2	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
11FUG#001	Fugitive Emission Units	N/A	63YY-33	40 CFR Part 63, Subpart YY	No changing attributes.
11FUG#002	Fugitive Emission Units	N/A	R5352-9	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
11FUG#002	Fugitive Emission Units	N/A	63H-4	40 CFR Part 63, Subpart H	No changing attributes.
11FUG#004	Fugitive Emission Units	N/A	R5352-2	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
11FUG#004	Fugitive Emission Units	N/A	63YY-34	40 CFR Part 63, Subpart YY	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
11LRA#001	Loading/Unloading Operations	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
11REM#001	Miscellaneous Units	N/A	63GGGGG-1	40 CFR Part 63, Subpart GGGGG	No changing attributes.
11STR#D40	Treatment Process	N/A	61FF-9	40 CFR Part 61, Subpart FF	No changing attributes.
11STR#D40	Treatment Process	N/A	63G-46	40 CFR Part 63, Subpart G	No changing attributes.
11STR#D40	Treatment Process	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
11STR#D41	Treatment Process	N/A	61FF-10	40 CFR Part 61, Subpart FF	No changing attributes.
11STR#D41	Treatment Process	N/A	63G-47	40 CFR Part 63, Subpart G	No changing attributes.
11STR#D41	Treatment Process	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
11TEF#034	Storage Tanks/Vessels	N/A	R5112-28	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
11TEF#034	Storage Tanks/Vessels	N/A	63G-19	40 CFR Part 63, Subpart G	No changing attributes.
11TFX#095	Storage Tanks/Vessels	N/A	R5112-31	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
11TFX#095	Volatile Organic Compound Water Separators	N/A	R5131	30 TAC Chapter 115, Water Separation	No changing attributes.
11TFX#095	Storage Tanks/Vessels	N/A	63G-23	40 CFR Part 63, Subpart G	No changing attributes.
11TFX#095	Volatile Organic Compound Water Separators	N/A	63G-25	40 CFR Part 63, Subpart G	No changing attributes.
11TFX#095	Storage Tanks/Vessels	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
11TFX#096	Storage Tanks/Vessels	N/A	R5112-11	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
11TFX#096	Storage Tanks/Vessels	N/A	61FF-2	40 CFR Part 61, Subpart FF	No changing attributes.
11TFX#096	Storage Tanks/Vessels	N/A	63G-21	40 CFR Part 63, Subpart G	No changing attributes.



### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
11TFX#104	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
11TFX#106	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
11TFX#1200	Storage Tanks/Vessels	N/A	R5112-30	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
11TFX#1200	Water Separation	N/A	R5131-1	30 TAC Chapter 115, Water Separation	No changing attributes.
11TFX#1200	Storage Tanks/Vessels	N/A	63G-24	40 CFR Part 63, Subpart G	No changing attributes.
11TFX#1200	Storage Tanks/Vessels	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
11TSP#060	Storage Tanks/Vessels	N/A	R5112-29	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
11TSP#060	Storage Tanks/Vessels	N/A	63G-20	40 CFR Part 63, Subpart G	No changing attributes.
11VNT_041	Emission Points/Stationary Vents/Process Vents	N/A	R5121-44	30 TAC Chapter 115, Vent Gas Controls	Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.
11VNT_041	Emission Points/Stationary Vents/Process Vents	N/A	R5121-45	30 TAC Chapter 115, Vent Gas Controls	Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.
11VNT_042	Emission Points/Stationary Vents/Process Vents	N/A	R5121-44	30 TAC Chapter 115, Vent Gas Controls	Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
11VNT_042	Emission Points/Stationary Vents/Process Vents	N/A	R5121-45	30 TAC Chapter 115, Vent Gas Controls	Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.
11VNT_043	Emission Points/Stationary Vents/Process Vents	N/A	R5121-44	30 TAC Chapter 115, Vent Gas Controls	Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.
11VNT_043	Emission Points/Stationary Vents/Process Vents	N/A	R5121-45	30 TAC Chapter 115, Vent Gas Controls	Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.
11VNT_613	Emission Points/Stationary Vents/Process Vents	N/A	R5121-64	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
11VNT_9601	Emission Points/Stationary Vents/Process Vents	N/A	R5121-44	30 TAC Chapter 115, Vent Gas Controls	Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.
11VNT_9601	Emission Points/Stationary Vents/Process Vents	N/A	R5121-45	30 TAC Chapter 115, Vent Gas Controls	Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.
11VNT_9603	Emission Points/Stationary Vents/Process Vents	N/A	R5121-65	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
11VNT_9603	Emission Points/Stationary Vents/Process Vents	N/A	63G-35	40 CFR Part 63, Subpart G	No changing attributes.
11WWC#110A	Closed Vent System and Control Device	N/A	63G-39	40 CFR Part 63, Subpart G	No changing attributes.
11WWD#111A	Closed Vent System and Control Device	N/A	63G-40	40 CFR Part 63, Subpart G	No changing attributes.
11WWD#111B	Closed Vent System and Control Device	N/A	63G-41	40 CFR Part 63, Subpart G	No changing attributes.
11WWD#111C	Closed Vent System and Control Device	N/A	63G-42	40 CFR Part 63, Subpart G	No changing attributes.
11WWD#112A	Closed Vent System and Control Device	N/A	63G-43	40 CFR Part 63, Subpart G	No changing attributes.
11WWD#112B	Closed Vent System and Control Device	N/A	63G-44	40 CFR Part 63, Subpart G	No changing attributes.
11WWD#113	Closed Vent System and Control Device	N/A	63G-45	40 CFR Part 63, Subpart G	No changing attributes.
PRO-AR	Chemical Manufacturing Process	N/A	63F-3	40 CFR Part 63, Subpart F	No changing attributes.
PRO-HVIVNT	Chemical Manufacturing Process	N/A	R5161-2	30 TAC Chapter 115, Batch Processes	No changing attributes.
TVTFX#D5	Storage Tanks/Vessels	N/A	63YY-40	40 CFR Part 63, Subpart YY	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)
01CAS#3536	EU	63G-36	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.136(a) § 63.136(b) § 63.136(b)(1) § 63.136(b)(1)(i) § 63.136(b)(1)(ii) § 63.136(b)(2) § 63.136(b)(3) § 63.136(b)(5) § 63.136(d) [G]§ 63.136(e) [G]§ 63.136(f) § 63.136(g) § 63.139(a) § 63.139(b) § 63.136(c) § 63.139(c)(2) § 63.139(d) § 63.139(d)(2)(iv) § 63.143(e) § 63.145(a)(3)	For each individual drain system that receives or manages a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream, the owner or operator shall comply with the requirements of paragraphs (b), (c), and (d) or with paragraphs (e), (f), and (g) of this section.	§ 63.136(c) § 63.136(c)(1) § 63.136(c)(2) § 63.136(g) § 63.143(a) § 63.143(e)(3) § 63.143(f) § 63.143(g) § 63.145(a)(2) [G]§ 63.145(a)(6)	§ 63.143(e)(3) § 63.145(a)(3) [G]§ 63.147(d)(3)	§ 63.143(e)(3) § 63.146(b)(7)(ii) § 63.146(b)(7)(ii)(A) § 63.146(b)(7)(ii)(B)
01CAS#3536	EU	63G-37	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.139(a) § 63.139(b) § 63.139(c) § 63.139(c)(2) § 63.139(d) § 63.139(d)(2) § 63.139(d)(2)(iv) § 63.143(e) § 63.145(a)(3)	For each control device or combination of control devices used to comply with the provisions in §§63.133 through 63.138 of this subpart, the owner or operator shall operate and maintain the control device or combination of control devices in accordance with the requirements of paragraphs (b) through (f) of this section.	§ 63.143(e)(3) § 63.143(f) § 63.143(g) § 63.145(a)(2) [G]§ 63.145(a)(6)	§ 63.143(e)(3) § 63.145(a)(3) [G]§ 63.147(d)(3)	§ 63.143(e)(3) § 63.146(b)(7)(ii) § 63.146(b)(7)(ii)(A) § 63.146(b)(7)(ii)(B)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
01CTL#002	PRO	63F-1	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.104(a) [G]§ 63.104(d) [G]§ 63.104(e)	Except as provided in paragraphs (b)(4) and (c) of this section, the provisions of subparts F, G, and H apply to chemical manufacturing process units that meet the criteria.	§ 63.104(a) § 63.104(b) § 63.104(b)(1) § 63.104(b)(2)(i) § 63.104(b)(3) § 63.104(b)(4) § 63.104(b)(4)(i) § 63.104(b)(5) § 63.104(b)(6) § 63.104(c) § 63.104(c)(1) § 63.104(c)(1)(i) § 63.104(c)(1)(ii) § 63.104(c)(1)(iii) § 63.104(c)(2) § 63.104(d)(2)	§ 63.104(c)(1) § 63.104(c)(1)(i) § 63.104(c)(1)(ii) § 63.104(c)(1)(iv) § 63.104(c)(2) § 63.104(c)(3) [G]§ 63.104(e)(2) [G]§ 63.104(f)(1)	[G]§ 63.104(f)(2)
01CVS#3536	EU	63H-5	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.172(a) § 63.172(c) § 63.172(d) § 63.172(e) § 63.172(f) [G]§ 63.172(f)(1) [G]§ 63.172(h) § 63.172(i) [G]§ 63.172(k) [G]§ 63.172(l) § 63.172(m)	Owners/operators of closed-vent systems and control devices used to comply with provisions of this subpart shall comply with the provisions of this section, except as provided in §63.162(b).	§ 63.162(f)(3) § 63.172(e) § 63.172(f) [G]§ 63.172(f)(1) § 63.172(g)	§ 63.172(k)(2) § 63.172(l)(2) § 63.181(b)(10) § 63.181(c) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(9) § 63.181(g) § 63.181(g)(1) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) § 63.181(g)(1)(iii) § 63.181(g)(1)(iv) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3)	§ 63.182(d)(2)(xiv)

### 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)
01FUG#001	EU	R5352-6	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2)(A) § 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	[G]§ 115.356	None
01FUG#001	EU	R5352-6	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(6) § 115.357(8)	No compressor seals, contacting a process fluid with a TVP >0.044 psia, not in hydrogen service or not equipped with a shaft seal, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(2) § 115.354(2)(A) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	[G]§ 115.356	None
01FUG#001	EU	R5352-6	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(12) § 115.357(6) § 115.357(8)	No connectors, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1)(B) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	[G]§ 115.356	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)
01FUG#001	EU	R5352-6	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	[G]§ 115.356(3)(C)	None
01FUG#001	EU	R5352-6	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) § 115.357(9)	No accessible valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(2) § 115.354(2)(C) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	[G]§ 115.356	[G]§ 115.354(7)

### 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)
01FUG#001	EU	R5352-6	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) § 115.357(9)	No difficult-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(B) § 115.354(10) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) [G]§ 115.356	[G]§ 115.354(7)
01FUG#001	EU	R5352-6	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) [G]§ 115.357(9)	No unsafe-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(C) § 115.354(10) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	[G]§ 115.356	[G]§ 115.354(7)
01FUG#001	EU	R5352-6	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	[G]§ 115.356	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)
01FUG#001	EU	R5352-6	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(2) § 115.357(6) § 115.357(8) [G]§ 115.357(9)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(2) § 115.354(2)(D) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) [G]§ 115.356	[G]§ 115.354(7)
01FUG#001	EU	R5352-6	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(13) § 115.357(2) § 115.357(6) § 115.357(9)	No pressure relief valves (liquid service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) [G]§ 115.356	None
01FUG#001	EU	R5352-6	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	[G]§ 115.356(3)(C)	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)
01FUG#001	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.171(c) § 63.171(c)(1) § 63.171(c)(2) § 63.174(d) [G]§ 63.174(f) [G]§ 63.174(g) [G]§ 63.174(h)(1) § 63.174(h)(2) § 63.174(h)(3) [G]§ 63.174(i)	Standards: Connectors in gas/vapor service and in light liquid service.	§ 63.162(f)(2) [G]§ 63.174(a) § 63.174(b) § 63.174(b)(1) [G]§ 63.174(b)(3) [G]§ 63.174(c)(1) § 63.174(c)(2) § 63.174(c)(2)(i) § 63.174(c)(2)(ii) § 63.174(c)(2)(iv) § 63.174(d) [G]§ 63.174(f)	§ 63.174(f)(2) § 63.181(b)(1)(ii) § 63.181(b)(10) § 63.181(b)(5) § 63.181(b)(7) § 63.181(b)(7)(i) § 63.181(b)(7)(iii) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(7)(i) § 63.181(d)(7)(ii) § 63.181(d)(9)	§ 63.182(d)(2)(ix) § 63.182(d)(2)(xi) § 63.182(d)(2)(xvi)
01FUG#001	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.169(a) § 63.169(b) [G]§ 63.169(c) § 63.169(d)	Standards: Instrumentation systems.	§ 63.162(f)(3) § 63.169(a) § 63.169(b) [G]§ 63.169(c)	§ 63.181(b)(10) § 63.181(b)(4) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(9)	None
01FUG#001	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.167(a) § 63.167(b) § 63.167(c) § 63.167(d) § 63.167(e)	Standards: Open-ended valves or lines. § 63.167(a)-(e).	None	None	None
01FUG#001	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.165(c) § 63.165(d)(1) § 63.165(d)(2)	Standards: Pressure relief device in gas/vapor service.	None	§ 63.181(b)(2)(i) § 63.181(b)(3)(ii) [G]§ 63.181(f)	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)
01FUG#001	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.169(a) § 63.169(b) [G]§ 63.169(c) § 63.169(d)	Standards: Pressure relief devices in liquid service.	§ 63.162(f)(3) § 63.169(a) § 63.169(b) [G]§ 63.169(c)	§ 63.181(b)(10) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(9)	None
01FUG#001	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.163(e) § 63.163(e)(1) § 63.163(e)(1)(i) § 63.163(e)(1)(ii) § 63.163(e)(1)(iii) § 63.163(e)(2) § 63.163(e)(3) [G]§ 63.163(e)(4) § 63.163(e)(5) [G]§ 63.163(e)(6) § 63.163(f) § 63.163(g) § 63.163(i) [G]§ 63.171(d)	Standards: Pumps in light liquid service.	§ 63.162(f)(3)	§ 63.181(b)(10) § 63.181(b)(2)(i) § 63.181(b)(6) § 63.181(b)(6)(i) § 63.181(b)(6)(ii) § 63.181(b)(7) § 63.181(b)(7)(i) § 63.181(c) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(9) § 63.181(h) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7)	§ 63.182(d)(2)(iii) § 63.182(d)(2)(iv)
01FUG#001	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.166(a) § 63.166(b) § 63.166(b)(1) § 63.166(b)(2) § 63.166(c)	Standards: Sampling connection systems.	None	None	None
01FUG#001	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.170	Standards: Surge control vessels and bottom receivers.	None	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
01FUG#001	EU	63H-1	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.171(c) § 63.171(c)(1) § 63.171(c)(2) § 63.168(a) § 63.168(a)(1) § 63.168(a)(1)(i) § 63.168(a)(1)(i)(C) § 63.168(b) [G]§ 63.168(e) [G]§ 63.168(f) [G]§ 63.168(g) § 63.168(h) § 63.168(h)(1) [G]§ 63.168(i) § 63.171(e) [G]§ 63.175	Standards: Valves in gas/vapor service and in light liquid service.	§ 63.162(f)(2) § 63.168(b) § 63.168(b)(1) § 63.168(b)(2) § 63.168(b)(2)(iii) [G]§ 63.168(d) [G]§ 63.168(e) [G]§ 63.168(f) [G]§ 63.168(g) [G]§ 63.168(i) [G]§ 63.175	§ 63.168(h)(2) § 63.168(i)(3) § 63.181(b)(1)(ii) § 63.181(b)(10) § 63.181(b)(7) § 63.181(b)(7)(i) § 63.181(b)(7)(ii) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(9) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7)	§ 63.182(d)(2)(i) § 63.182(d)(2)(ii) § 63.182(d)(2)(xv)

### 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)
01HTR#301	EU	63DDDDD-4	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7495(b) § 63.7495(h) § 63.7499(l) § 63.7500(a) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7510(e) § 63.7510(j) § 63.7515(d) § 63.7540(a) § 63.7540(a)(11) § 63.7540(a)(13) § 63.7565	If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).	§ 63.7521(f) § 63.7521(f)(1) § 63.7521(f)(2) § 63.7521(g) § 63.7521(g)(1) § 63.7521(g)(2) § 63.7521(g)(2)(i) § 63.7521(g)(2)(ii) § 63.7521(g)(2)(iii) § 63.7521(g)(2)(iv) § 63.7521(g)(2)(v) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(c) § 63.7540(c)(4)	§ 63.7530(g) [G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) [G]§ 63.7560	§ 63.7495(d) § 63.7530(e) [G]§ 63.7540(a)(10)(vi) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(8) § 63.7545(e)(8)(i) § 63.7545(e)(8)(ii) § 63.7550(a) [G]§ 63.7550(b) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(iv) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
01RXT#301	EU	63F-48	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.107(a) § 63.107(h)(3) § 63.107(h)(5)	A process vent is the point of discharge to the atmosphere (or the point of entry into a control device, if any) of a gas stream if the gas stream has the characteristics specified in paragraphs (b) through (h) of this section, or meets the criteria specified in paragraph (i) of this section.	None	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
01RXT#303	EU	63F-49	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.107(a) § 63.107(h)(3) § 63.107(h)(5)	A process vent is the point of discharge to the atmosphere (or the point of entry into a control device, if any) of a gas stream if the gas stream has the characteristics specified in paragraphs (b) through (h) of this section, or meets the criteria specified in paragraph (i) of this section.	None	None	None
01SCB#305	EU	63F-50	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.107(a) § 63.107(h)(3) § 63.107(h)(5)	A process vent is the point of discharge to the atmosphere (or the point of entry into a control device, if any) of a gas stream if the gas stream has the characteristics specified in paragraphs (b) through (h) of this section, or meets the criteria specified in paragraph (i) of this section.	None	None	None
01SEP#304	EU	63F-51	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.107(a) § 63.107(h)(3) § 63.107(h)(5)	A process vent is the point of discharge to the atmosphere (or the point of entry into a control device, if any) of a gas stream if the gas stream has the characteristics specified in paragraphs (b) through (h) of this section, or meets the criteria specified in paragraph (i) of this section.	None	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
01TFX#020	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7) ** See CAM Summary	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
01TFX#020	EU	63G-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(5) § 63.120(e) § 63.120(e)(1) § 63.120(e)(4)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).	§ 63.120(e)(5)	§ 63.123(a) § 63.123(f) [G]§ 63.123(f)(2)	§ 63.120(e)(2) § 63.120(e)(2)(i) § 63.120(e)(2)(ii) § 63.120(e)(2)(iii) § 63.120(e)(3) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(c) § 63.122(c)(2) § 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(3) § 63.152(c)(4)(iii)
01TFX#021	EU	R5112-3	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See CAM Summary	§ 115.116(a)(4) § 115.116(a)(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
01TFX#021	EU	63G-2	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(a)(3) § 63.119(e) § 63.119(e)(1) § 63.120(e) § 63.120(e)(1) § 63.120(e)(4)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).	§ 63.120(e)(5)	§ 63.123(a) [G]§ 63.123(f)(2)	§ 63.120(e)(2) § 63.120(e)(2)(i) § 63.120(e)(2)(ii) § 63.120(e)(2)(iii) § 63.120(e)(3) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(c) § 63.122(c)(2) § 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(3) § 63.123(f) § 63.152(c)(4)(iii) § 63.152(d)(2)
01TFX#022	EU	R5112-4	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See CAM Summary	§ 115.116(a)(4) § 115.116(a)(5)	None
01TFX#022	EU	63G-3	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(5) § 63.120(e) § 63.120(e)(1) § 63.120(e)(4)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).	§ 63.120(e)(5)	§ 63.123(a) § 63.123(f) [G]§ 63.123(f)(2)	§ 63.120(e)(2) § 63.120(e)(2)(i) § 63.120(e)(2)(ii) § 63.120(e)(2)(iii) § 63.120(e)(3) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(c) § 63.122(c)(2) § 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(3) § 63.152(c)(4)(iii)



### 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)
01TFX#023	EU	R5112-5	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See CAM Summary	§ 115.116(a)(4) § 115.116(a)(5)	None
01TFX#023	EU	63G-4	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(5) § 63.120(e) § 63.120(e)(1) § 63.120(e)(4)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).	§ 63.120(e)(5)	§ 63.123(a) § 63.123(f) [G]§ 63.123(f)(2)	§ 63.120(e)(2) § 63.120(e)(2)(i) § 63.120(e)(2)(ii) § 63.120(e)(2)(iii) § 63.120(e)(3) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(c) § 63.122(c)(2) § 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(3) § 63.152(c)(4)(iii)
01TFX#104	EU	R5112-12	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7) ** See CAM Summary	§ 115.118(a)(4) § 115.118(a)(4)(F) § 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)
01TFX#104	EU	61FF-1	Benzene	40 CFR Part 61, Subpart FF	[G]§ 61.340(c) § 61.340(d) [G]§ 61.342(a) § 61.342(b) § 61.342(c) § 61.342(c)(1) § 61.342(c)(1)(i) § 61.342(c)(1)(ii) § 61.342(c)(1)(iii) § 61.342(c)(2) [G]§ 61.342(c)(3) [G]§ 61.342(f) § 61.342(g) § 61.343(a) § 61.343(a)(1) § 61.343(a)(1)(i) § 61.343(a)(1)(i)(B) § 61.343(a)(1)(ii) § 61.343(d) § 61.349(a) § 61.349(a)(1) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2) § 61.349(a)(2)(i) § 61.349(a)(2)(i)(A) § 61.349(a)(2)(ii) § 61.349(a)(2)(iii) § 61.349(b) § 61.349(c) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.349(h) § 61.354(c) § 61.354(c)(1) § 61.354(c)(3) § 61.354(e) § 61.355(a) [G]§ 61.355(a)(1) § 61.355(a)(2) § 61.355(a)(3) [G]§ 61.355(a)(4) § 61.355(a)(6) § 61.355(b) § 61.355(b)(4) § 61.355(b)(5) § 61.355(b)(6) § 61.355(b)(7) § 61.355(c) § 61.355(c)(1) § 61.355(c)(1)(i) § 61.355(c)(1)(ii) § 61.355(c)(1)(iii) § 61.355(c)(1)(iv) § 61.355(c)(1)(v) § 61.355(c)(2) [G]§ 61.355(c)(3) [G]§ 61.355(h) [G]§ 61.355(i) § 61.355(j)	§ 61.356(a) § 61.356(b) § 61.356(b)(1) § 61.356(b)(2) § 61.356(b)(2)(i) § 61.356(b)(2)(ii) § 61.356(b)(5) § 61.356(c) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(D) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(7)	[G]§ 61.357(a) § 61.357(d) § 61.357(d)(1) § 61.357(d)(2) § 61.357(d)(3) § 61.357(d)(6) § 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F) § 61.357(d)(8)

### 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)
01TFX#104	EU	63G-6	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(5) § 63.120(e) § 63.120(e)(1) § 63.120(e)(4)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).	§ 63.120(e)(5)	§ 63.123(a) § 63.123(f) [G]§ 63.123(f)(2)	§ 63.120(e)(2) § 63.120(e)(2)(i) § 63.120(e)(2)(ii) § 63.120(e)(2)(iii) § 63.120(e)(3) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(c) § 63.122(c)(2) § 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(3) § 63.152(c)(4)(iii)
01TIF#024	EU	R5112-6	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3) § 60.18	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 ** See CAM Summary	§ 115.118(a)(5) § 115.118(a)(7)	None
01TIF#024	EU	63YY-43	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100(e) § 63.1062(a) § 63.1062(a)(1) [G]§ 63.1063(a)(1)(i) § 63.1063(a)(2) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(iv) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(vii) [G]§ 63.1063(a)(2)(viii) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3)	The permit holder shall comply with the requirements of 40 CFR Part 63, Subpart WW for storage vessels that store liquid containing organic HAP.	§ 63.1063(c)(1) § 63.1063(c)(1)(i) § 63.1063(c)(1)(i)(A) § 63.1063(c)(1)(i)(B) § 63.1063(d) [G]§ 63.1063(d)(1) § 63.1063(d)(2)	§ 63.1065 § 63.1065(a) § 63.1065(b) [G]§ 63.1065(b)(1) § 63.1065(c) § 63.1065(d) § 63.1103(e)(10)(iii)	§ 63.1063(e)(2) § 63.1066(b) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.1100(e)(6)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.1063(b)(4) § 63.1063(b)(5) [G]§ 63.1063(e) § 63.1100(e)(2) [G]§ 63.1100(g)(1) § 63.1103(e)(1)(i)(A) § 63.1103(e)(10) § 63.1103(e)(10)(i) [G]§ 63.1103(e)(10)(iii)				
01TIF#025	EU	R5112-7	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(1) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7) ** See CAM Summary	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
01TIF#025	EU	R5112-8	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a) § 115.115(a)(3) § 115.115(a)(3)(A) § 115.116(a)(1) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7)	§ 115.118(a)(4) § 115.118(a)(4)(C) § 115.118(a)(4)(C)(i) § 115.118(a)(5) § 115.118(a)(7)	None
01TIF#025	EU	63G-7	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) § 63.120(d) § 63.120(d)(1)(ii) § 63.120(d)(1)(ii)(A)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).	§ 63.120(d)(5) § 63.120(d)(6)	§ 63.123(a) § 63.123(f) § 63.123(f)(1) [G]§ 63.123(f)(2)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(4) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(b) § 63.122(c) § 63.122(c)(1) § 63.122(g)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									[G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.152(c)(4)(iii)
01TVD#306	EU	63F-52	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.107(a) § 63.107(h)(3) § 63.107(h)(5)	A process vent is the point of discharge to the atmosphere (or the point of entry into a control device, if any) of a gas stream if the gas stream has the characteristics specified in paragraphs (b) through (h) of this section, or meets the criteria specified in paragraph (i) of this section.	None	None	None
01VNT_01N	EP	R5121-3	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
01VNT_01S	EP	R5121-3	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	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)
01VNT_104	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
01VNT_3536	EP	R5121-2	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(2) § 115.122(a)(2) § 115.122(a)(2)(B)	No person may allow a vent gas stream to be emitted from the processes specified in §115.121(a)(2)(A)-(E), unless the vent gas stream is controlled properly in accordance with §115.122(a)(2).	[G]§ 115.125 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(iv) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(iv) § 115.126(2)	None
01VNT_3536	EP	63G-26	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.114(e) § 63.117(f)	The owner or operator shall establish a range that indicates proper operation of the control or recovery device for each parameter monitored under paragraphs (a), (b), and (c) of this section.	§ 63.117(f)	§ 63.114(b) § 63.114(b)(3) § 63.118(f)(6) [G]§ 63.152(a)	§ 63.114(e) § 63.117(f)
02BAG_590	EP	R5121-3	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	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)
02HTR#302	EU	63DDDDD-3	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7495(b) § 63.7495(h) § 63.7499(l) § 63.7500(a) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7510(e) § 63.7510(j) § 63.7515(d) § 63.7540(a) § 63.7540(a)(12) § 63.7540(a)(13) § 63.7565	If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).	§ 63.7521(f) § 63.7521(f)(1) § 63.7521(f)(2) § 63.7521(g) § 63.7521(g)(1) § 63.7521(g)(2) § 63.7521(g)(2)(i) § 63.7521(g)(2)(ii) § 63.7521(g)(2)(iii) § 63.7521(g)(2)(iv) § 63.7521(g)(2)(v) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(c) § 63.7540(c)(4)	§ 63.7530(g) [G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) [G]§ 63.7560	§ 63.7495(d) § 63.7530(e) [G]§ 63.7540(a)(10)(vi) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(8) § 63.7545(e)(8)(i) § 63.7545(e)(8)(ii) § 63.7550(a) [G]§ 63.7550(b) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(iv) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
02HTR#500	EU	63DDDDD-3	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7495(b) § 63.7495(h) § 63.7499(l) § 63.7500(a) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7510(e) § 63.7510(j) § 63.7515(d) § 63.7540(a) § 63.7540(a)(12) § 63.7540(a)(13) § 63.7565	If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).	§ 63.7521(f) § 63.7521(f)(1) § 63.7521(f)(2) § 63.7521(g) § 63.7521(g)(1) § 63.7521(g)(2) § 63.7521(g)(2)(i) § 63.7521(g)(2)(ii) § 63.7521(g)(2)(iii) § 63.7521(g)(2)(iv) § 63.7521(g)(2)(v) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii)	§ 63.7530(g) [G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) [G]§ 63.7560	§ 63.7495(d) § 63.7530(e) [G]§ 63.7540(a)(10)(vi) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(8) § 63.7545(e)(8)(i) § 63.7545(e)(8)(ii) § 63.7550(a) [G]§ 63.7550(b) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii)

### 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)
							§ 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(c) § 63.7540(c)(4)		§ 63.7550(c)(5)(iii) § 63.7550(c)(5)(iv) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
02HTR#501	EU	63DDDDD-3	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7495(b) § 63.7495(h) § 63.7499(l) § 63.7500(a) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7510(e) § 63.7510(j) § 63.7515(d) § 63.7540(a) § 63.7540(a)(12) § 63.7540(a)(13) § 63.7565	If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).	§ 63.7521(f) § 63.7521(f)(1) § 63.7521(f)(2) § 63.7521(g) § 63.7521(g)(1) § 63.7521(g)(2) § 63.7521(g)(2)(i) § 63.7521(g)(2)(ii) § 63.7521(g)(2)(iii) § 63.7521(g)(2)(iv) § 63.7521(g)(2)(v) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(c) § 63.7540(c)(4)	§ 63.7530(g) [G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) [G]§ 63.7560	§ 63.7495(d) § 63.7530(e) [G]§ 63.7540(a)(10)(vi) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(8) § 63.7545(e)(8)(i) § 63.7545(e)(8)(ii) § 63.7550(a) [G]§ 63.7550(b) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(iv) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
02HTR#622	EU	63DDDDD-3	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7495(b) § 63.7495(h) § 63.7499(l) § 63.7500(a) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7510(e) § 63.7510(j) § 63.7515(d)	If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).	§ 63.7521(f) § 63.7521(f)(1) § 63.7521(f)(2) § 63.7521(g) § 63.7521(g)(1) § 63.7521(g)(2) § 63.7521(g)(2)(i) § 63.7521(g)(2)(ii) § 63.7521(g)(2)(iii) § 63.7521(g)(2)(iv)	§ 63.7530(g) [G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) [G]§ 63.7560	§ 63.7495(d) § 63.7530(e) [G]§ 63.7540(a)(10)(vi) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(8) § 63.7545(e)(8)(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)
					§ 63.7540(a) § 63.7540(a)(12) § 63.7540(a)(13) § 63.7565		§ 63.7521(g)(2)(v) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(c) § 63.7540(c)(4)		§ 63.7545(e)(8)(ii) § 63.7550(a) [G]§ 63.7550(b) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(iv) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
02HTR#632	EU	63DDDDD-3	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7495(b) § 63.7495(h) § 63.7499(l) § 63.7500(a) § 63.7505(a) § 63.7510(e) § 63.7510(j) § 63.7515(d) § 63.7540(a) § 63.7540(a)(12) § 63.7540(a)(13) § 63.7565	If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).	§ 63.7521(f) § 63.7521(f)(1) § 63.7521(f)(2) § 63.7521(g) § 63.7521(g)(1) § 63.7521(g)(2) § 63.7521(g)(2)(i) § 63.7521(g)(2)(ii) § 63.7521(g)(2)(iii) § 63.7521(g)(2)(iv) § 63.7521(g)(2)(v) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(c) § 63.7540(c)(4)	§ 63.7530(g) [G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) [G]§ 63.7560	§ 63.7495(d) § 63.7530(e) [G]§ 63.7540(a)(10)(vi) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(8) § 63.7545(e)(8)(i) § 63.7545(e)(8)(ii) § 63.7550(a) [G]§ 63.7550(b) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(iv) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(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)
02HTR#635	EU	63DDDDD-3	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7495(b) § 63.7495(h) § 63.7499(l) § 63.7500(a) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7510(e) § 63.7510(j) § 63.7515(d) § 63.7540(a) § 63.7540(a)(12) § 63.7540(a)(13) § 63.7565	If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).	§ 63.7521(f) § 63.7521(f)(1) § 63.7521(f)(2) § 63.7521(g) § 63.7521(g)(1) § 63.7521(g)(2) § 63.7521(g)(2)(i) § 63.7521(g)(2)(ii) § 63.7521(g)(2)(iii) § 63.7521(g)(2)(iv) § 63.7521(g)(2)(v) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(c) § 63.7540(c)(4)	§ 63.7530(g) [G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) [G]§ 63.7560	§ 63.7495(d) § 63.7530(e) [G]§ 63.7540(a)(10)(vi) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(8) § 63.7545(e)(8)(i) § 63.7545(e)(8)(ii) § 63.7550(a) [G]§ 63.7550(b) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(iv) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
02LTR#001	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B)	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(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)
02LTR#001	EU	R5211-2	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B)	Any plant, excluding gasoline bulk plants, which loads less than 20,000 gpd of VOC with a true vapor pressure of 0.5 psia or greater is exempt from the requirements of this division, except for the specified requirements.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	None
02PUM#593	EP	R5121-4	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
02SCB_3167	EP	R5121-19	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(C) § 115.126(4)	None
02SCB_3167	EP	R5121-20	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	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)
02TFX#503	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
02TFX#504	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7)	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
02TFX#505	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7)	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
02TFX#511	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7)	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
02TFX#512	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 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)
02TFX#516	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
02TFX#563	EP	R5121-5	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
02TFX#569	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7)	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
02TFX#588	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
02TFX#598	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 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)
02TOT#126	EP	R5121-6	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
02TOT#138	EP	R5121-7	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
02TOT#510	EP	R5121-8	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
02TOT#511	EP	R5121-9	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	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)
02TOT#512	EP	R5121-10	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
02TOT#513	EP	R5121-11	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
02TOT#6544	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
02TOT#6602	EP	R5121-12	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	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)
02TOT#6603	EP	R5121-13	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
02TOT#6604	EP	R5121-14	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
02TOT#6605	EP	R5121-15	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
02TOT#6606	EP	R5121-16	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	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)
02TOT#6607	EP	R5121-17	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
02TOT#6628	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
02TOT#6629	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
02VNT_257	EP	R5121-18	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	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)
02VNT_325	EP	R5121-22	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(C)	No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title.	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5) § 115.126 § 115.126(1) § 115.126(1)(C) ** See CAM Summary	§ 115.126 § 115.126(1) § 115.126(1)(C) § 115.126(2)	None
02VNT_502	EP	R5121-23	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
02VNT_520	EP	R5121-24	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
02VNT_6240	EP	R5121-25	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(A)	No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title.	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5) § 115.126 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) ** See CAM Summary	§ 115.126 § 115.126(1) § 115.126(1)(A) § 115.126(1)(A)(i) § 115.126(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)
02VNT_6340	EP	R5121-26	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(C)	No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title.	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5) § 115.126 § 115.126(1) § 115.126(1)(C) ** See CAM Summary	§ 115.126 § 115.126(1) § 115.126(1)(C) § 115.126(2)	None
02VNT_6360	EP	R5121-27	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(C)	No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title.	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5) § 115.126 § 115.126(1) § 115.126(1)(C) ** See CAM Summary	§ 115.126 § 115.126(1) § 115.126(1)(C) § 115.126(2)	None
02VNT_6370	EP	R5121-28	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(C)	No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title.	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5) § 115.126 § 115.126(1) § 115.126(1)(C) ** See CAM Summary	§ 115.126 § 115.126(1) § 115.126(1)(C) § 115.126(2)	None
03FUG#001	EU	R5352-7	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(12) § 115.357(6) § 115.357(8)	No connectors, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1)(B) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	[G]§ 115.356	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)
03FUG#001	EU	R5352-7	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	[G]§ 115.356(3)(C)	None
03FUG#001	EU	R5352-7	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) § 115.357(9)	No accessible valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(2) § 115.354(2)(C) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	[G]§ 115.356	[G]§ 115.354(7)
03FUG#001	EU	R5352-7	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8)	No difficult-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(B) § 115.354(10) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) [G]§ 115.356	[G]§ 115.354(7)

### 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)
					§ 115.357(9)				
03FUG#001	EU	R5352-7	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) [G]§ 115.357(9)	No unsafe-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(C) § 115.354(10) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	[G]§ 115.356	[G]§ 115.354(7)
03FUG#001	EU	R5352-7	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	[G]§ 115.356	None
03FUG#001	EU	R5352-7	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(2) § 115.357(6) § 115.357(8)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(2) § 115.354(2)(D) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) [G]§ 115.356	[G]§ 115.354(7)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 115.357(9)				
03FUG#001	EU	R5352-7	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(13) § 115.357(2) § 115.357(6) § 115.357(9)	No pressure relief valves (liquid service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) [G]§ 115.356	None
03FUG#001	EU	R5352-7	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	[G]§ 115.356(3)(C)	None
03FUG#001	EU	63H-2	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.171(c) § 63.171(c)(1) § 63.171(c)(2) § 63.174(d) [G]§ 63.174(f) [G]§ 63.174(g) [G]§ 63.174(h)(1) § 63.174(h)(2) § 63.174(h)(3) [G]§ 63.174(i)	Standards: Connectors in gas/vapor service and in light liquid service. §63.174(a)-(j)	§ 63.162(f)(2) [G]§ 63.174(a) § 63.174(b) § 63.174(b)(1) [G]§ 63.174(b)(3) [G]§ 63.174(c)(1) § 63.174(c)(2) § 63.174(c)(2)(i) § 63.174(c)(2)(ii) § 63.174(c)(2)(iv) § 63.174(d) [G]§ 63.174(f)	§ 63.174(f)(2) § 63.181(b)(1)(ii) § 63.181(b)(10) § 63.181(b)(5) § 63.181(b)(7) § 63.181(b)(7)(i) § 63.181(b)(7)(iii) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4)	§ 63.182(d)(2)(ix) § 63.182(d)(2)(xi) § 63.182(d)(2)(xvi)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
								[G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(7)(i) § 63.181(d)(7)(ii) § 63.181(d)(9)	
03FUG#001	EU	63H-2	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.169(a) § 63.169(b) [G]§ 63.169(c) § 63.169(d)	Standards: Instrumentation systems. §63.169(a)-(d)	§ 63.162(f)(3) § 63.169(a) § 63.169(b) [G]§ 63.169(c)	§ 63.181(b)(10) § 63.181(b)(4) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(9)	None
03FUG#001	EU	63H-2	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.167(a) § 63.167(b) § 63.167(c) § 63.167(d) § 63.167(e)	Standards: Open-ended valves or lines. §63.167(a)-(e).	None	None	None
03FUG#001	EU	63H-2	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.165(c) § 63.165(d)(1) § 63.165(d)(2)	Standards: Pressure relief device in gas/vapor service. §63.165(a)-(d)	None	§ 63.181(b)(2)(i) § 63.181(b)(3)(ii) [G]§ 63.181(f)	None
03FUG#001	EU	63H-2	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.169(a) § 63.169(b) [G]§ 63.169(c) § 63.169(d)	Standards: Pressure relief devices in liquid service. §63.169(a)-(d)	§ 63.162(f)(3) § 63.169(a) § 63.169(b) [G]§ 63.169(c)	§ 63.181(b)(10) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(9)	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)
03FUG#001	EU	63H-2	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.163(e) § 63.163(e)(1) § 63.163(e)(1)(i) § 63.163(e)(1)(ii) § 63.163(e)(1)(iii) § 63.163(e)(2) § 63.163(e)(3) [G]§ 63.163(e)(4) § 63.163(e)(5) [G]§ 63.163(e)(6) § 63.163(f) § 63.163(g) § 63.163(i) [G]§ 63.171(d)	Standards: Pumps in light liquid service. §63.163(a)-(j)	§ 63.162(f)(3)	§ 63.181(b)(10) § 63.181(b)(2)(i) § 63.181(b)(6) § 63.181(b)(6)(i) § 63.181(b)(6)(ii) § 63.181(b)(7) § 63.181(b)(7)(i) § 63.181(c) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(9) § 63.181(h) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7)	§ 63.182(d)(2)(iii) § 63.182(d)(2)(iv)
03FUG#001	EU	63H-2	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.166(a) § 63.166(b) § 63.166(b)(1) § 63.166(b)(2) § 63.166(c)	Standards: Sampling connection systems. §63.166(a)-(c)	None	None	None
03FUG#001	EU	63H-2	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.170	Standards: Surge control vessels and bottom receivers.	None	None	None
03FUG#001	EU	63H-2	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.171(c) § 63.171(c)(1) § 63.171(c)(2) § 63.168(a) § 63.168(a)(1) § 63.168(a)(1)(i) § 63.168(a)(1)(i)(C) § 63.168(b) [G]§ 63.168(e)	Standards: Valves in gas/vapor service and in light liquid service. §63.168(a)-(j)	§ 63.162(f)(2) § 63.168(b) § 63.168(b)(1) § 63.162(b)(2) § 63.168(b)(2)(iii) [G]§ 63.168(d) [G]§ 63.168(e) [G]§ 63.168(f) [G]§ 63.168(g)	§ 63.168(h)(2) § 63.168(i)(3) § 63.181(b)(1)(ii) § 63.181(b)(10) § 63.181(b)(7) § 63.181(b)(7)(i) § 63.181(b)(7)(ii) § 63.181(d) § 63.181(d)(1)	§ 63.182(d)(2)(i) § 63.182(d)(2)(ii) § 63.182(d)(2)(xv)



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 63.168(f) [G]§ 63.168(g) § 63.168(h) § 63.168(h)(1) [G]§ 63.168(i) § 63.171(e) [G]§ 63.175		[G]§ 63.168(i) [G]§ 63.175	§ 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(9) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7)	
03RXT#8400	EU	63F-53	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.107(a) § 63.107(h)(3) § 63.107(h)(5)	A process vent is the point of discharge to the atmosphere (or the point of entry into a control device, if any) of a gas stream if the gas stream has the characteristics specified in paragraphs (b) through (h) of this section, or meets the criteria specified in paragraph (i) of this section.	None	None	None
03RXT#8401	EU	63F-54	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.107(a) § 63.107(h)(3) § 63.107(h)(5)	A process vent is the point of discharge to the atmosphere (or the point of entry into a control device, if any) of a gas stream if the gas stream has the characteristics specified in paragraphs (b) through (h) of this section, or meets the criteria specified in paragraph (i) of this section.	None	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
03SEP#8413	EU	63F-55	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.107(a) § 63.107(h)(3) § 63.107(h)(5)	A process vent is the point of discharge to the atmosphere (or the point of entry into a control device, if any) of a gas stream if the gas stream has the characteristics specified in paragraphs (b) through (h) of this section, or meets the criteria specified in paragraph (i) of this section.	None	None	None
03TIF#019	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3) § 60.18	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 ** See CAM Summary	§ 115.118(a)(5) § 115.118(a)(7)	None
03TIF#019	EU	R5131-1	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(a)(3) § 115.131(a) § 115.132(a)	VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(a) of this title.	[G]§ 115.135(a) § 115.136(a)(3) § 115.136(a)(4) ** See CAM Summary	§ 115.136(a)(3) § 115.136(a)(4)	None
03TIF#019	EU	60Kb-1	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(iii).	§ 60.113b(d) § 60.116b(a) § 60.116b(b) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See CAM Summary	§ 60.115b § 60.115b(d)(2) § 60.116b(a) § 60.116b(b)	§ 60.115b § 60.115b(d)(1) § 60.115b(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)
03TIF#019	EU	63G-23	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) § 63.120(e) § 63.120(e)(1) § 63.120(e)(4) § 63.133(a) § 63.133(a)(2) § 63.133(a)(2)(i) § 63.133(b) § 63.133(b)(1) § 63.133(b)(1)(i) § 63.133(b)(1)(ii) § 63.133(h) § 63.138(a)(5) § 63.138(a)(6) § 63.138(k) § 63.138(k)(1)	A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the wastewater tank to a control device.	§ 63.120(e)(5) § 63.133(f) § 63.137(d) § 63.137(e) § 63.137(e)(1) § 63.137(e)(1)(vii) § 63.137(e)(3) § 63.143(a)	§ 63.123(a) § 63.123(f) [G]§ 63.123(f)(2) § 63.133(h)	§ 63.120(e)(2) § 63.120(e)(2)(i) § 63.120(e)(2)(ii) § 63.120(e)(2)(iii) § 63.120(e)(3) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(c) § 63.122(c)(2) § 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(3) § 63.152(c)(4)(iii)
03TIF#019	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100(e) § 63.1100(e)(2) [G]§ 63.1100(g)(1) § 63.1103(e)(1)(i)(A) § 63.1103(e)(3)-Table 7.b.1.i § 63.982(a)(1) § 63.982(b)	The permit holder shall comply with the requirements of 40 CFR Part 63, Subpart WW for storage vessels that store liquid containing organic HAP.	None	§ 63.998(d)(2) § 63.998(d)(3)(i) § 63.998(d)(3)(ii)	§ 63.1100(e)(6) § 63.999(c)(1) [G]§ 63.999(c)(4)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
03TVD#8402	EU	63F-56	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.107(a) § 63.107(h)(3) § 63.107(h)(5)	A process vent is the point of discharge to the atmosphere (or the point of entry into a control device, if any) of a gas stream if the gas stream has the characteristics specified in paragraphs (b) through (h) of this section, or meets the criteria specified in paragraph (i) of this section.	None	None	None
03TVD#8403	EU	63F-57	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.107(a) § 63.107(h)(3) § 63.107(h)(5)	A process vent is the point of discharge to the atmosphere (or the point of entry into a control device, if any) of a gas stream if the gas stream has the characteristics specified in paragraphs (b) through (h) of this section, or meets the criteria specified in paragraph (i) of this section.	None	None	None
04CAS#033	CD	63YY-01	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.g § 61.346(a)(1)(ii) § 61.349(a) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(c) § 61.349(c)(1) § 61.349(g) [G]§ 61.350 § 61.354(d) § 63.1091	The permit holder with processes that generate waste as defined in §63.1103(e)(2) shall comply with the waste requirements of 40 CFR Part 63, Subpart XX.	§ 61.349(a) § 61.349(f) § 61.349(h) § 61.354(d)	§ 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(G) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.366(j)(3)	§ 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(I) § 61.357(d)(8)

### 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)
04CAS#034	CD	63YY-01	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.g § 61.346(a)(1)(ii) § 61.349(a) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(c) § 61.349(c)(1) § 61.349(g) [G]§ 61.350 § 61.354(d) § 63.1091	The permit holder with processes that generate waste as defined in §63.1103(e)(2) shall comply with the waste requirements of 40 CFR Part 63, Subpart XX.	§ 61.349(a) § 61.349(f) § 61.349(h) § 61.354(d)	§ 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(G) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.366(j)(3)	§ 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(I) § 61.357(d)(8)
04CTL#001	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090
04CTL#030	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090

### 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)
							§ 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)		
04CTL#031	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090
04CTL#032	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090
04CTL#033	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090

### 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)
					§ 63.1087(a) [G]§ 63.1088	requirements of 40 CFR Part 63, Subpart XX.	§ 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)		
04CTL#034	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090
04CTL#035	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090

### 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)
							§ 63.1087(b)		
04CTL#036	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090
04CTL#037	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090
04CTL#038	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090



### 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)
							§ 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)		
04CTL#039	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090
04CTL#040	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090

### 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)
04CTL#041	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090
04CTL#042	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090
04CTL#043	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090

### 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)
							§ 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)		
04CTL#044	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090
04CTL#045	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090

### 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)
04CTL#046	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090
04CTL#047	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090
04CTL#048	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090

### 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)
							§ 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)		
04CTL#049	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090
04CTL#050	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090

### 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)
04CTL#051	EU	63YY-02	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.h § 63.1103(e)(1)(i)(F) § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090
04CVS#033	CD	61FF-4	Benzene	40 CFR Part 61, Subpart FF	§ 61.349(a)(1) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(c) § 61.349(c)(1) § 61.349(g) [G]§ 61.350	For each closed-vent system and control device used to comply with §§61.343-61.348, properly design, install, operate, and maintain the closed-vent system and control device.	§ 61.349(a)(1)(i) § 61.349(f) [G]§ 61.355(h)	None	None
04CVS#033	CD	63YY-03	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.g § 63.1100(b) § 63.1091 § 63.1092(a) § 63.1092(b) § 63.1092(c)	For processes that generate waste as defined in §63.1103(e)(2), the permit holder shall comply with the waste requirements of 40 CFR Part 63, Subpart XX.	None	None	None
04CVS#034	CD	61FF-5	Benzene	40 CFR Part 61, Subpart FF	§ 61.349(a)(1) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv)	For each closed-vent system and control device used to comply with §§61.343-61.348, properly design, install,	§ 61.349(a)(1)(i) § 61.349(f) [G]§ 61.355(h)	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 61.349(a)(2)(ii) § 61.349(b) § 61.349(c) § 61.349(c)(1) § 61.349(g) [G]§ 61.350	operate, and maintain the closed-vent system and control device.			
04CVS#034	CD	63YY-04	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.g § 63.1100(b) § 63.1091 § 63.1092(a) § 63.1092(b) § 63.1092(c)	For processes that generate waste as defined in §63.1103(e)(2), the permit holder shall comply with the waste requirements of 40 CFR Part 63, Subpart XX.	None	None	None
04ENG#001	EU	60III-3	CO	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039.102 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
04ENG#001	EU	60III-3	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039.102 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 75 KW but less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2013 model	None	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						year must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102.			
04ENG#001	EU	60IIII-3	PM	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039.102 § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 56 KW and less than 75 KW and a displacement of less than 10 liters per cylinder and is a 2012 model year and later must comply with a PM emission limit of 0.02 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
04ENG#001	EU	63ZZZZ-3	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c) § 63.6590(c)(7)	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	None	None	None



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						such engines under this part.			
04FUG#001	EU	R5352-1	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	[G]§ 115.356	None
04FUG#001	EU	R5352-1	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(12) § 115.357(6) § 115.357(8)	No connectors, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1)(B) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	[G]§ 115.356	None
04FUG#001	EU	R5352-1	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(1) § 115.357(11) § 115.357(12) § 115.357(13) § 115.357(6)	No connectors, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1)(B) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	[G]§ 115.356	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)
04FUG#001	EU	R5352-1	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12) § 115.357(13) § 115.357(2) § 115.357(6) § 115.357(9)	No accessible valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(2) § 115.354(2)(C) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	[G]§ 115.356	None
04FUG#001	EU	R5352-1	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12) § 115.357(13) § 115.357(2) § 115.357(6) [G]§ 115.357(9)	No difficult-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(B) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) [G]§ 115.356	None
04FUG#001	EU	R5352-1	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4)	No unsafe-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for	§ 115.354(1) § 115.354(1)(C) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	[G]§ 115.356	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12) § 115.357(13) § 115.357(2) § 115.357(6) [G]§ 115.357(9)	more than 15 days after discovery, exceeding the specified VOC concentration.			
04FUG#001	EU	R5352-1	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	[G]§ 115.356(3)(C)	None
04FUG#001	EU	R5352-1	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) § 115.357(9)	No accessible valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(2) § 115.354(2)(C) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	[G]§ 115.356	[G]§ 115.354(7)

### 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)
04FUG#001	EU	R5352-1	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) § 115.357(9)	No difficult-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(B) § 115.354(10) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) [G]§ 115.356	[G]§ 115.354(7)
04FUG#001	EU	R5352-1	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) [G]§ 115.357(9)	No unsafe-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(C) § 115.354(10) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	[G]§ 115.356	[G]§ 115.354(7)
04FUG#001	EU	R5352-1	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	[G]§ 115.356	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)
04FUG#001	EU	R5352-1	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(2) § 115.357(6) § 115.357(8) [G]§ 115.357(9)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(2) § 115.354(2)(D) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) [G]§ 115.356	[G]§ 115.354(7)
04FUG#001	EU	R5352-1	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(13) § 115.357(2) § 115.357(6) § 115.357(9)	No pressure relief valves (liquid service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) [G]§ 115.356	None
04FUG#001	EU	R5352-1	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	[G]§ 115.356(3)(C)	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)
04FUG#001	EU	63YY-05	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1024(c)(2) § 63.1024(d) § 63.1024(d)(1) § 63.1024(d)(2) § 63.1031(a) [G]§ 63.1031(b) § 63.1031(d)(1) § 63.1031(d)(2)	Standards: Compressors.	§ 63.1107(a) § 63.1031(c)	[G]§ 63.1024(f) § 63.1038(a) § 63.1038(b)(1) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(6) § 63.1038(c)(6)(i)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(v) § 63.1039(b)(2)
04FUG#001	EU	63YY-05	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(b)(1) § 63.1022(c)(1) § 63.1022(d)(1) § 63.1023(e)(1) § 63.1024(a) § 63.1024(c)(1) § 63.1024(d) § 63.1024(d)(1) § 63.1024(d)(2)	Standards: Connectors in Gas/Vapor or Light Liquid Service	§ 63.1107(a) § 63.1023(a)(1)(iii) [G]§ 63.1023(b) [G]§ 63.1023(c) § 63.1027(a) § 63.1027(b) § 63.1027(b)(1) § 63.1027(b)(2) [G]§ 63.1027(b)(3) § 63.1027(e)(1) § 63.1027(e)(2)(ii) [G]§ 63.1029(b)	§ 63.1022(c)(3) [G]§ 63.1022(c)(4) § 63.1022(d)(2) § 63.1023(e)(2) [G]§ 63.1024(f) § 63.1027(b)(3)(v) § 63.1038(a) § 63.1038(b)(1) § 63.1038(b)(2) § 63.1038(b)(3) § 63.1038(b)(4) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(3)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(iii)

### 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)
					§ 63.1024(d)(3) § 63.1024(d)(3)(i) § 63.1024(d)(3)(ii) § 63.1024(e) § 63.1027(c) § 63.1027(d) [G]§ 63.1027(e)(2)				
04FUG#001	EU	63YY-05	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(b)(1) § 63.1022(b)(4) § 63.1024(c)(2) § 63.1029(a) § 63.1029(c)	Standards: Instrumentation Systems.	§ 63.1107(a) [G]§ 63.1029(b)	[G]§ 63.1024(f) § 63.1038(a)	None
04FUG#001	EU	63YY-05	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1024(c)(2) § 63.1033(a) [G]§ 63.1033(b) § 63.1033(c)	Standards: Open ended valves or lines.	§ 63.1107(a)	§ 63.1024(f) § 63.1038(a)	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)
04FUG#001	EU	63YY-05	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1030(a) § 63.1030(d)	Standards: Pressure relief device in gas/vapor service.	§ 63.1107(a)	[G]§ 63.1024(f) § 63.1038(a)	None
04FUG#001	EU	63YY-05	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(f) § 63.1022(f)(2) § 63.1022(f)(3) § 63.1024(c)(2) § 63.1024(d)(4) § 63.1024(d)(4)(i) § 63.1024(d)(4)(i)(A) § 63.1024(d)(4)(i)(B) § 63.1024(d)(4)(i)(C) § 63.1024(d)(4)(ii) § 63.1029(a) § 63.1029(c)	Standards: Pumps in heavy liquid service.	§ 63.1107(a) [G]§ 63.1029(b)	§ 63.1022(f)(1) [G]§ 63.1024(f) § 63.1038(a) § 63.1038(b)(5) § 63.1038(b)(6) § 63.1038(b)(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)
04FUG#001	EU	63YY-05	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1024(c)(2) § 63.1024(d)(4) § 63.1024(d)(4)(i) § 63.1024(d)(4)(i)(A) § 63.1024(d)(4)(i)(B) § 63.1024(d)(4)(i)(C) § 63.1024(d)(4)(ii) § 63.1026(a) § 63.1026(b)(3) § 63.1026(b)(4)(ii) [G]§ 63.1026(c) § 63.1026(d) § 63.1026(e)(1) § 63.1026(e)(1)(i) § 63.1026(e)(1)(ii) § 63.1026(e)(1)(ii)(A) § 63.1026(e)(1)(ii)(B) § 63.1026(e)(1)(ii)(C) § 63.1026(e)(1)(iii) § 63.1026(e)(1)(v)(B) § 63.1026(e)(1)(vi) § 63.1026(e)(1)(viii) § 63.1026(e)(2) § 63.1026(e)(3) § 63.1026(e)(5) [G]§ 63.1035	Standards: Pumps in light liquid service.	§ 63.1107(a) § 63.1023(a)(1)(ii) § 63.1023(a)(2)(i) [G]§ 63.1023(b) [G]§ 63.1023(c) § 63.1023(d) § 63.1026(b) § 63.1026(b)(1) § 63.1026(b)(2) § 63.1026(b)(2)(iii) § 63.1026(b)(4) § 63.1026(b)(4)(i) § 63.1026(e)(1)(iv) § 63.1026(e)(1)(v) § 63.1026(e)(1)(v)(A) § 63.1026(e)(1)(vii)	§ 63.1022(c)(3) § 63.1022(c)(4)(i) [G]§ 63.1023(e) [G]§ 63.1024(f) § 63.1026(e)(1)(i) § 63.1038(a) § 63.1038(b)(2) § 63.1038(b)(3) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(2) § 63.1038(c)(2)(i) § 63.1038(c)(2)(ii) § 63.1038(c)(2)(iii) [G]§ 63.1038(c)(7)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(ii) § 63.1039(b)(6)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
04FUG#001	EU	63YY-05	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) [G]§ 63.1032	Standards: Sampling Connection Systems.	§ 63.1107(a)	[G]§ 63.1024(f) § 63.1038(a)	None
04FUG#001	EU	63YY-05	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(c)(1) § 63.1022(c)(2) § 63.1022(c)(2)(i)(A) § 63.1022(c)(2)(i)(B) § 63.1023(a) § 63.1023(a)(1) § 63.1024(c)(1) § 63.1024(d)(3) § 63.1024(d)(3)(i) § 63.1024(d)(3)(ii) § 63.1024(d)(5) § 63.1025(a)(1) § 63.1025(b)(2) [G]§ 63.1025(c) § 63.1025(d)(1)	Standards: Valves in gas/vapor service and in light liquid service.	§ 63.1107(a) § 63.1023(a)(1)(i) [G]§ 63.1023(b) [G]§ 63.1023(c) § 63.1025(b) § 63.1025(b)(1) [G]§ 63.1025(b)(3) § 63.1025(d)(2) § 63.1025(d)(2)(i) § 63.1025(d)(2)(ii) § 63.1025(d)(2)(iii) § 63.1025(d)(2)(iii)(A) § 63.1025(d)(2)(iii)(B) § 63.1025(e)(1) § 63.1025(e)(2)	§ 63.1022(c)(3) § 63.1022(c)(4)(i) § 63.1022(c)(4)(ii) [G]§ 63.1023(e) [G]§ 63.1024(f) § 63.1025(b)(3)(vi) § 63.1038(a) § 63.1038(b)(2) § 63.1038(b)(3) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(1) § 63.1038(c)(1)(i)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(i) § 63.1039(b)(2) § 63.1039(b)(5)

### 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)
04FUG#001	EU	63YY-05	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(f) § 63.1022(f)(2) § 63.1022(f)(3) § 63.1024(a) § 63.1024(c)(2) § 63.1024(d)(1) § 63.1024(d)(2) [G]§ 63.1024(d)(3) § 63.1024(d)(5) § 63.1029(a) § 63.1029(c)	Standards: Valves in heavy liquid service.	§ 63.1107(a) [G]§ 63.1023(b) [G]§ 63.1023(c) [G]§ 63.1029(b)	§ 63.1022(f)(1) [G]§ 63.1024(f) § 63.1038(a) § 63.1038(b)(5) § 63.1038(b)(6) § 63.1038(b)(7)	§ 63.1039(b)(2)
04FUG#003	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	[G]§ 115.356	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)
04FUG#003	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(12) § 115.357(6) § 115.357(8)	No connectors, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1)(B) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	[G]§ 115.356	None
04FUG#003	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	[G]§ 115.356(3)(C)	None
04FUG#003	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) § 115.357(9)	No accessible valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(2) § 115.354(2)(C) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	[G]§ 115.356	[G]§ 115.354(7)

### 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)
04FUG#003	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) § 115.357(9)	No difficult-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(B) § 115.354(10) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) [G]§ 115.356	[G]§ 115.354(7)
04FUG#003	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) [G]§ 115.357(9)	No unsafe-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(C) § 115.354(10) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	[G]§ 115.356	[G]§ 115.354(7)
04FUG#003	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	[G]§ 115.356	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)
04FUG#003	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(2) § 115.357(6) § 115.357(8) [G]§ 115.357(9)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(2) § 115.354(2)(D) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) [G]§ 115.356	[G]§ 115.354(7)
04FUG#003	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(13) § 115.357(2) § 115.357(6) § 115.357(9)	No pressure relief valves (liquid service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) [G]§ 115.356	None
04FUG#003	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	[G]§ 115.356(3)(C)	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)
04FUG#003	EU	63YY-06	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1024(c)(2) § 63.1024(d) § 63.1024(d)(1) § 63.1024(d)(2) § 63.1031(a) [G]§ 63.1031(b) § 63.1031(d)(1) § 63.1031(d)(2)	Standards: Compressors.	§ 63.1107(a) § 63.1031(c)	[G]§ 63.1024(f) § 63.1038(a) § 63.1038(b)(1) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(6) § 63.1038(c)(6)(i)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(v) § 63.1039(b)(2)
04FUG#003	EU	63YY-06	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(b)(1) § 63.1022(c)(1) § 63.1022(d)(1) § 63.1023(e)(1) § 63.1024(a) § 63.1024(c)(1) § 63.1024(d) § 63.1024(d)(1) § 63.1024(d)(2)	Standards: Connectors in Gas/Vapor or Light Liquid Service	§ 63.1107(a) § 63.1023(a)(1)(iii) [G]§ 63.1023(b) [G]§ 63.1023(c) § 63.1027(a) § 63.1027(b) § 63.1027(b)(1) § 63.1027(b)(2) [G]§ 63.1027(b)(3) § 63.1027(e)(1) § 63.1027(e)(2)(ii) [G]§ 63.1029(b)	§ 63.1022(c)(3) [G]§ 63.1022(c)(4) § 63.1022(d)(2) § 63.1023(e)(2) [G]§ 63.1024(f) § 63.1027(b)(3)(v) § 63.1038(a) § 63.1038(b)(1) § 63.1038(b)(2) § 63.1038(b)(3) § 63.1038(b)(4) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(3)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(iii)

### 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)
					§ 63.1024(d)(3) § 63.1024(d)(3)(i) § 63.1024(d)(3)(ii) § 63.1024(e) § 63.1027(c) § 63.1027(d) [G]§ 63.1027(e)(2)				
04FUG#003	EU	63YY-06	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(b)(1) § 63.1022(b)(4) § 63.1029(a) § 63.1029(c)	Standards: Instrumentation Systems.	§ 63.1107(a) [G]§ 63.1029(b)	[G]§ 63.1024(f) § 63.1038(a)	None
04FUG#003	EU	63YY-06	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1024(c)(2) § 63.1033(a) [G]§ 63.1033(b) § 63.1033(c)	Standards: Open ended valves or lines.	§ 63.1107(a)	§ 63.1024(f) § 63.1038(a)	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)
04FUG#003	EU	63YY-06	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1030(a) § 63.1030(d)	Standards: Pressure relief device in gas/vapor service.	§ 63.1107(a)	[G]§ 63.1024(f) § 63.1038(a)	None
04FUG#003	EU	63YY-06	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(f) § 63.1022(f)(2) § 63.1022(f)(3) § 63.1024(c)(2) § 63.1024(d)(4) § 63.1024(d)(4)(i) § 63.1024(d)(4)(i)(A) § 63.1024(d)(4)(i)(B) § 63.1024(d)(4)(i)(C) § 63.1024(d)(4)(ii) § 63.1029(a) § 63.1029(c)	Standards: Pumps in heavy liquid service.	§ 63.1107(a) [G]§ 63.1029(b)	§ 63.1022(f)(1) [G]§ 63.1024(f) § 63.1038(a) § 63.1038(b)(5) § 63.1038(b)(6) § 63.1038(b)(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)
04FUG#003	EU	63YY-06	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1024(c)(2) § 63.1024(d)(4) § 63.1024(d)(4)(i) § 63.1024(d)(4)(i)(A) § 63.1024(d)(4)(i)(B) § 63.1024(d)(4)(i)(C) § 63.1024(d)(4)(ii) § 63.1026(a) § 63.1026(b)(3) § 63.1026(b)(4)(ii) [G]§ 63.1026(c) § 63.1026(d) § 63.1026(e)(1) § 63.1026(e)(1)(i) § 63.1026(e)(1)(ii) § 63.1026(e)(1)(ii)(A) § 63.1026(e)(1)(ii)(B) § 63.1026(e)(1)(ii)(C) § 63.1026(e)(1)(iii) § 63.1026(e)(1)(v)(B) § 63.1026(e)(1)(vi) § 63.1026(e)(1)(viii) § 63.1026(e)(2) § 63.1026(e)(3) § 63.1026(e)(5) [G]§ 63.1035	Standards: Pumps in light liquid service.	§ 63.1107(a) § 63.1023(a)(1)(ii) § 63.1023(a)(2)(i) [G]§ 63.1023(b) [G]§ 63.1023(c) § 63.1023(d) § 63.1026(b) § 63.1026(b)(1) § 63.1026(b)(2) § 63.1026(b)(2)(iii) § 63.1026(b)(4) § 63.1026(b)(4)(i) § 63.1026(e)(1)(iv) § 63.1026(e)(1)(v) § 63.1026(e)(1)(v)(A) § 63.1026(e)(1)(vii)	§ 63.1022(c)(3) § 63.1022(c)(4)(i) [G]§ 63.1023(e) [G]§ 63.1024(f) § 63.1026(e)(1)(i) § 63.1038(a) § 63.1038(b)(2) § 63.1038(b)(3) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(2) § 63.1038(c)(2)(i) § 63.1038(c)(2)(ii) § 63.1038(c)(2)(iii) [G]§ 63.1038(c)(7)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(ii) § 63.1039(b)(6)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
04FUG#003	EU	63YY-06	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) [G]§ 63.1032	Standards: Sampling Connection Systems.	§ 63.1107(a)	[G]§ 63.1024(f) § 63.1038(a)	None
04FUG#003	EU	63YY-06	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(c)(1) § 63.1022(c)(2) § 63.1022(c)(2)(i)(A) § 63.1022(c)(2)(i)(B) § 63.1023(a) § 63.1023(a)(1) § 63.1024(c)(1) § 63.1024(d)(3) § 63.1024(d)(3)(i) § 63.1024(d)(3)(ii) § 63.1024(d)(5) § 63.1025(a)(1) § 63.1025(b)(2) [G]§ 63.1025(c) § 63.1025(d)(1)	Standards: Valves in gas/vapor service and in light liquid service.	§ 63.1107(a) § 63.1023(a)(1)(i) [G]§ 63.1023(b) [G]§ 63.1023(c) § 63.1025(b) § 63.1025(b)(1) [G]§ 63.1025(b)(3) § 63.1025(d)(2) § 63.1025(d)(2)(i) § 63.1025(d)(2)(ii) § 63.1025(d)(2)(iii) § 63.1025(d)(2)(iii)(A) § 63.1025(d)(2)(iii)(B) § 63.1025(e)(1) § 63.1025(e)(2)	§ 63.1022(c)(3) § 63.1022(c)(4)(i) § 63.1022(c)(4)(ii) [G]§ 63.1023(e) [G]§ 63.1024(f) § 63.1025(b)(3)(vi) § 63.1038(a) § 63.1038(b)(2) § 63.1038(b)(3) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(1) § 63.1038(c)(1)(i)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(i) § 63.1039(b)(2) § 63.1039(b)(5)

### 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)
04FUG#003	EU	63YY-06	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(f) § 63.1022(f)(2) § 63.1022(f)(3) § 63.1024(a) § 63.1024(c)(2) § 63.1024(d)(1) § 63.1024(d)(2) [G]§ 63.1024(d)(3) § 63.1024(d)(5) § 63.1029(a) § 63.1029(c)	Standards: Valves in heavy liquid service.	§ 63.1107(a) [G]§ 63.1023(b) [G]§ 63.1023(c) [G]§ 63.1029(b)	§ 63.1022(f)(1) [G]§ 63.1024(f) § 63.1038(a) § 63.1038(b)(5) § 63.1038(b)(6) § 63.1038(b)(7)	§ 63.1039(b)(2)
04HTR#201	EU	63DDDDD-3	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7495(b) § 63.7495(h) § 63.7499(l) § 63.7500(a) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7510(e) § 63.7510(j) § 63.7515(d) § 63.7540(a) § 63.7540(a)(12) § 63.7540(a)(13) § 63.7565	If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).	§ 63.7521(f) § 63.7521(f)(1) § 63.7521(f)(2) § 63.7521(g) § 63.7521(g)(1) § 63.7521(g)(2) § 63.7521(g)(2)(i) § 63.7521(g)(2)(ii) § 63.7521(g)(2)(iii) § 63.7521(g)(2)(iv) § 63.7521(g)(2)(v) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv)	§ 63.7530(g) [G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) [G]§ 63.7560	§ 63.7495(d) § 63.7530(e) [G]§ 63.7540(a)(10)(vi) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(8) § 63.7545(e)(8)(i) § 63.7545(e)(8)(ii) § 63.7550(a) [G]§ 63.7550(b) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii)

### 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)
							§ 63.7540(a)(10)(v) § 63.7540(c) § 63.7540(c)(4)		§ 63.7550(c)(5)(iv) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
04HTR#401	EU	63DDDDD-3	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7495(b) § 63.7495(h) § 63.7499(l) § 63.7500(a) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7510(e) § 63.7510(j) § 63.7515(d) § 63.7540(a) § 63.7540(a)(12) § 63.7540(a)(13) § 63.7565	If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).	§ 63.7521(f) § 63.7521(f)(1) § 63.7521(f)(2) § 63.7521(g) § 63.7521(g)(1) § 63.7521(g)(2) § 63.7521(g)(2)(i) § 63.7521(g)(2)(ii) § 63.7521(g)(2)(iii) § 63.7521(g)(2)(iv) § 63.7521(g)(2)(v) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(c) § 63.7540(c)(4)	§ 63.7530(g) [G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) [G]§ 63.7560	§ 63.7495(d) § 63.7530(e) [G]§ 63.7540(a)(10)(vi) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(8) § 63.7545(e)(8)(i) § 63.7545(e)(8)(ii) § 63.7550(a) [G]§ 63.7550(b) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(iv) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
04HTR#403	EU	63DDDDD-4	112(B)	40 CFR Part 63, Subpart DDDDD	§ 63.7495(b) § 63.7495(h) § 63.7499(l) § 63.7500(a) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7510(e) § 63.7510(j) § 63.7515(d) § 63.7540(a)	If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).	§ 63.7521(f) § 63.7521(f)(1) § 63.7521(f)(2) § 63.7521(g) § 63.7521(g)(1) § 63.7521(g)(2) § 63.7521(g)(2)(i) § 63.7521(g)(2)(ii) § 63.7521(g)(2)(iii) § 63.7521(g)(2)(iv) § 63.7521(g)(2)(v)	§ 63.7530(g) [G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) [G]§ 63.7560	§ 63.7495(d) § 63.7530(e) [G]§ 63.7540(a)(10)(vi) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(8) § 63.7545(e)(8)(i) § 63.7545(e)(8)(ii)

### 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)
					§ 63.7540(a)(11) § 63.7540(a)(13) § 63.7565		§ 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(c) § 63.7540(c)(4)		§ 63.7550(a) [G]§ 63.7550(b) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(iv) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
04TFX#010	EU	R5112-16	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7) ** See CAM Summary	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
04TFX#010	EU	63YY-07	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100(e) § 63.1100(e)(2) [G]§ 63.1100(g)(1) § 63.1103(e)(1)(i)(A) § 63.1103(e)(3)-Table 7.b.1.i § 63.982(a)(1) § 63.982(b)	The permit holder shall comply with the requirements of 40 CFR Part 63, Subpart WW for storage vessels that store liquid containing organic HAP.	None	§ 63.998(d)(2) § 63.998(d)(3)(i) § 63.998(d)(3)(ii)	§ 63.1100(e)(6) § 63.999(c)(1) [G]§ 63.999(c)(4)
04TFX#012	EU	R5112-17	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7) ** See CAM Summary	§ 115.118(a)(4) § 115.118(a)(4)(F) § 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)
04TFX#012	EU	63YY-8	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100(e) § 63.1100(e)(2) [G]§ 63.1100(g)(1) § 63.1103(e)(1)(i)(A) § 63.1103(e)(3)-Table 7.b.1.i § 63.982(a)(1) § 63.982(b)	The permit holder shall comply with the requirements of 40 CFR Part 63, Subpart WW for storage vessels that store liquid containing organic HAP.	None	§ 63.998(d)(2) § 63.998(d)(3)(i) § 63.998(d)(3)(ii)	§ 63.1100(e)(6) § 63.999(c)(1) [G]§ 63.999(c)(4)
04TFX#304	EU	63YY-8	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.a.1.i	For storage vessels that store liquid containing organic HAP, the permit holder shall fill the vessel through a submerged fill pipe.	None	None	None
04TFX#3269	EU	63YY-8	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.a.1.i	For storage vessels that store liquid containing organic HAP, the permit holder shall fill the vessel through a submerged fill pipe.	None	None	None
04VNT_103	EP	R5121-29	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
05DEG#001	EU	R5412	VOC	30 TAC Chapter 115, Degreasing Processes	§ 115.412(1) § 115.411(1) [G]§ 115.412(1)(A) § 115.412(1)(C) § 115.412(1)(D) [G]§ 115.412(1)(F)	Cold solvent cleaning. No person shall own or operate a system utilizing a VOC for the cold solvent cleaning of objects without the controls listed in §115.412(1)(A)-(F).	[G]§ 115.415(1) § 115.415(3) ** See Periodic Monitoring Summary	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
05LFS#002	EU	R5131	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(a)(2) [G]§ 115.132(a)(4)	Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure of VOC < .5 psia obtained from any equipment is exempt from §115.132(a).	§ 115.135(a) § 115.135(a)(5) § 115.135(a)(6)	§ 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	None
05LRA#001	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B)	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(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
05LTK#615	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B)	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(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	None
05LTK#615	EU	R5211-2	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) [G]§ 115.212(a)(7) § 115.214(a)(1)(B)	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(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	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)
05TCS#614	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
05TCS#614	EU	R5131	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(a)(2) [G]§ 115.132(a)(4)	Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure of VOC < .5 psia obtained from any equipment is exempt from §115.132(a).	§ 115.135(a) § 115.135(a)(5) § 115.135(a)(6)	§ 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	None
05TFX#102	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
05TFX#411	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
05TFX#415	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 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)
05TFX#430	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
05TFX#442	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
05TFX#606	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
05TFX#606	EU	R5131	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(a)(2) [G]§ 115.132(a)(4)	Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure of VOC < .5 psia obtained from any equipment is exempt from §115.132(a).	§ 115.135(a) § 115.135(a)(5) § 115.135(a)(6)	§ 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	None
05TFX#611	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 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)
05TFX#611	EU	R5131	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(a)(2) [G]§ 115.132(a)(4)	Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure of VOC < .5 psia obtained from any equipment is exempt from §115.132(a).	§ 115.135(a) § 115.135(a)(5) § 115.135(a)(6)	§ 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	None
05TOT#120	EP	R5121-30	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
05VSL#123	EP	R5121-31	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
06TFX#076	EU	R5112-23	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7) ** See CAM Summary	§ 115.118(a)(4) § 115.118(a)(4)(F) § 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)
06TFX#076	EU	63G-22	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.133(a) § 63.138(a)(6) § 63.133(a)(2) § 63.133(a)(2)(i) § 63.133(b) § 63.133(b)(1) § 63.133(b)(1)(i) § 63.133(b)(1)(ii) § 63.133(h) § 63.137(a) § 63.137(a)(1) § 63.137(b) § 63.137(b)(1) § 63.137(b)(1)(i) § 63.137(b)(1)(ii) § 63.137(b)(2) § 63.137(b)(3) § 63.137(f) § 63.138(k) § 63.138(k)(1) § 63.139(a) § 63.139(b) § 63.139(c) § 63.139(c)(3) § 63.139(d) § 63.139(d)(1) § 63.143(e) § 63.145(a)(3)	A fixed roof and a closed-vent system that routes the organic hazardous air pollutants vapors vented from the wastewater tank to a control device.	§ 63.133(f) § 63.137(d) § 63.137(e) § 63.137(e)(1) § 63.137(e)(1)(vii) § 63.137(e)(3) § 63.143(a) § 63.143(e)(1) § 63.143(f) § 63.145(a)(2) § 63.145(a)(4)(i) § 63.145(a)(4)(ii) § 63.145(a)(5) [G]§ 63.145(a)(6) § 63.145(j) § 63.145(j)(1) § 63.145(j)(2) § 63.145(j)(3)	§ 63.133(h) § 63.145(a)(3)	None
06TFX#076	EU	63YY-41	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100(a)(2) § 63.1103(e)(3)-Table 7.g § 61.342(c)(1)(ii) § 61.343(a) § 61.343(a)(1) § 61.343(a)(1)(i)(B) § 61.343(d) § 61.349(a)(2)(iii) § 61.349(b) § 61.349(d) [G]§ 61.350	For processes that generate waste as defined in § 63.1103(e)(2), the permit holder shall comply with the waste requirements of 40 CFR Part 63, Subpart XX.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(2)(iii) § 61.349(d) § 61.349(e) § 61.349(h)	§ 61.356(a) § 61.356(d)	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)
					§ 63.1095(a)(1)(ii) [G]§ 63.1100(g)(6)				
06TFX#4051	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
06TFX#4052	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
06TPR#009	EU	R5112-15	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7) ** See CAM Summary	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
06TPR#028	EU	R5112-18	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See CAM Summary	§ 115.116(a)(4) § 115.116(a)(5)	None
06TPR#028	EU	63YY-9	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100(a)(2) § 63.1103(e)(3)-Table 7.g § 61.342(c)(1)(ii) § 61.343(a) § 61.343(a)(1) § 61.343(a)(1)(i)	For processes that generate waste as defined in § 63.1103(e)(2), the permit holder shall comply with the waste requirements of 40 CFR Part 63, Subpart	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(2)(iii) § 61.349(d) § 61.349(e) § 61.349(h)	§ 61.356(a) § 61.356(d)	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)
					§ 61.343(a)(1)(i)(B) § 61.343(d) § 61.349(a)(2)(iii) § 61.349(b) § 61.349(d) [G]§ 61.350 § 63.1095(a)(1)(ii) [G]§ 63.1100(g)(6)	XX.			
06TPR#029	EU	R5112-19	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See CAM Summary	§ 115.116(a)(4) § 115.116(a)(5)	None
06TPR#029	EU	63YY-39	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100(a)(2) § 63.1103(e)(3)-Table 7.g § 61.342(c)(1)(ii) § 61.343(a) § 61.343(a)(1) § 61.343(a)(1)(i) § 61.343(a)(1)(i)(B) § 61.343(d) § 61.349(a)(2)(iii) § 61.349(b) § 61.349(d) [G]§ 61.350 § 63.1095(a)(1)(ii) [G]§ 63.1100(g)(6)	For processes that generate waste as defined in § 63.1103(e)(2), the permit holder shall comply with the waste requirements of 40 CFR Part 63, Subpart XX.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(2)(iii) § 61.349(d) § 61.349(e) § 61.349(h)	§ 61.356(a) § 61.356(d)	None
06TPR#030	EU	R5112-20	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See CAM Summary	§ 115.116(a)(4) § 115.116(a)(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
06TPR#030	EU	63YY-40	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100(a)(2) § 63.1103(e)(3)-Table 7.g § 61.342(c)(1)(ii) § 61.343(a) § 61.343(a)(1) § 61.343(a)(1)(i) § 61.343(a)(1)(i)(B) § 61.343(d) § 61.349(a)(2)(iii) § 61.349(b) § 61.349(d) [G]§ 61.350 § 63.1095(a)(1)(ii) [G]§ 63.1100(g)(6)	For processes that generate waste as defined in § 63.1103(e)(2), the permit holder shall comply with the waste requirements of 40 CFR Part 63, Subpart XX.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(2)(iii) § 61.349(d) § 61.349(e) § 61.349(h)	§ 61.356(a) § 61.356(d)	None
06TPR#049	EU	R5112-21	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See CAM Summary	§ 115.116(a)(4) § 115.116(a)(5)	None
06TPR#049	EU	63YY-40	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100(a)(2) § 63.1103(e)(3)-Table 7.g § 61.342(c)(1)(ii) § 61.343(a)(1) § 61.343(a)(1)(i) § 61.343(a)(1)(i)(B) § 61.343(d) § 61.349(a)(2)(iii) § 61.349(b) § 61.349(d) [G]§ 61.350 § 63.1095(a)(1)(ii) [G]§ 63.1100(g)(6)	For processes that generate waste as defined in § 63.1103(e)(2), the permit holder shall comply with the waste requirements of 40 CFR Part 63, Subpart XX.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(2)(iii) § 61.349(d) § 61.349(e) § 61.349(h)	§ 61.356(a) § 61.356(d)	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)
06TPR#063	EU	R5112-22	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7)	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
06TPR#063	EU	63YY-41	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100(a)(2) § 63.1103(e)(3)-Table 7.g § 61.342(c)(1)(ii) § 61.343(a) § 61.343(a)(1) § 61.343(a)(1)(i) § 61.343(a)(1)(i)(B) § 61.343(d) § 61.349(a)(2)(iii) § 61.349(b) § 61.349(d) [G]§ 61.350 § 63.1095(a)(1)(ii) [G]§ 63.1100(g)(6)	For processes that generate waste as defined in § 63.1103(e)(2), the permit holder shall comply with the waste requirements of 40 CFR Part 63, Subpart XX.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(2)(iii) § 61.349(d) § 61.349(e) § 61.349(h)	§ 61.356(a) § 61.356(d)	None
06TSP#001	EU	R5112-13	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See CAM Summary	§ 115.116(a)(4) § 115.116(a)(5)	None
06TSP#001	EU	63YY-38	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100(a)(2) § 63.1103(e)(3)-Table 7.g § 61.342(c)(1)(ii) § 61.343(a) § 61.343(a)(1) § 61.343(a)(1)(i) § 61.343(a)(1)(i)(B) § 61.343(d)	For processes that generate waste as defined in § 63.1103(e)(2), the permit holder shall comply with the waste requirements of 40 CFR Part 63, Subpart XX.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(2)(iii) § 61.349(d) § 61.349(e) § 61.349(h)	§ 61.356(a) § 61.356(d)	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)
					§ 61.349(a)(2)(iii) § 61.349(b) § 61.349(d) [G]§ 61.350 § 63.1095(a)(1)(ii) [G]§ 63.1100(g)(6)				
06TSP#002	EU	R5112-14	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7) ** See CAM Summary	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
06WWT#101	EU	115-1	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.147(2) [G]§ 115.142(4) [G]§ 115.148	An owner or operator may exempt from control requirements of §115.142 one or more affected VOC wastewater streams for which the total annual VOC loading is less than or equal to 10 Mg (11.03 tons).	[G]§ 115.145 [G]§ 115.148	§ 115.146(1) § 115.146(3) § 115.146(4)	[G]§ 115.142(4)
06WWT#108A	EU	115-2	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) § 115.142(1)(H) [G]§ 115.148	The wastewater component shall meet the specified control requirements.	[G]§ 115.144(1) § 115.144(3)(D) [G]§ 115.145 [G]§ 115.148	§ 115.144(3)(D) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4)	None
06WWT#108B	EU	115-3	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E)	The wastewater component shall meet the specified control requirements.	[G]§ 115.144(1) § 115.144(3)(H) [G]§ 115.145 [G]§ 115.148	§ 115.144(3)(H) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.142(1)(G) § 115.142(1)(H) [G]§ 115.148				
06WWT#109	EU	115-4	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.147(2) [G]§ 115.142(4) [G]§ 115.148	An owner or operator may exempt from control requirements of §115.142 one or more affected VOC wastewater streams for which the total annual VOC loading is less than or equal to 10 Mg (11.03 tons).	[G]§ 115.145 [G]§ 115.148	§ 115.146(1) § 115.146(3) § 115.146(4)	[G]§ 115.142(4)
07CTL#001	EU	63FFFF-12	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2445(b) § 63.2450(a) § 63.2450(p) § 63.2490(a) § 63.2490(b) § 63.2490(c) § 63.2525(j) § 63.2540 § 63.104(a) § 63.104(a)(5)	You must comply with each requirement in Table 10 to this subpart that applies to your heat exchange systems, except as specified in paragraphs (b) and (c) of this section.	None	§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(f)	§ 63.2445(c) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b) § 63.2520(a) [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.2520(e) § 63.2520(e)(1) § 63.2520(e)(10) § 63.2520(e)(10)(i) § 63.2520(e)(10)(i)(A) § 63.2520(e)(10)(i)(B) § 63.2520(e)(10)(i)(C) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.2520(e)(5) § 63.2520(e)(5)(i) § 63.2520(e)(5)(ii) § 63.2520(e)(5)(iii)(A) § 63.2520(e)(5)(ii)(B) § 63.2520(e)(7) § 63.2520(e)(9)
07CTL#002	EU	63FFFF-13	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2445(b) § 63.2450(a) § 63.2450(p) § 63.2490(a) § 63.2490(b) § 63.2490(c) § 63.2525(j) § 63.2540 § 63.104(a) § 63.104(a)(5)	You must comply with each requirement in Table 10 to this subpart that applies to your heat exchange systems, except as specified in paragraphs (b) and (c) of this section.	None	§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(f)	§ 63.2445(c) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b) § 63.2520(a) [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.2520(e) § 63.2520(e)(1) § 63.2520(e)(10) § 63.2520(e)(10)(i) § 63.2520(e)(10)(i)(A) § 63.2520(e)(10)(i)(B) § 63.2520(e)(10)(i)(C) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) § 63.2520(e)(5)(ii) § 63.2520(e)(5)(ii)(A) § 63.2520(e)(5)(ii)(B) § 63.2520(e)(7)

### 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)
									§ 63.2520(e)(9)
07CVS#613	EU	63FFFF-15	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2450(e) § 63.2450(e)(2) § 63.2450(m)(3) § 63.2450(p) § 63.2525(j) § 63.2540 § 63.982(b) § 63.983(a) § 63.983(a)(1) § 63.983(a)(2) § 63.983(a)(3) § 63.983(a)(3)(ii) § 63.983(d) [G]§ 63.983(d)(1) [G]§ 63.983(d)(2) § 63.983(d)(3)	Except when complying with §63.2485, if you reduce organic HAP emissions by venting emissions through a closed-vent system to a flare, you must meet the requirements of §63.982(b) and the requirements referenced therein.	§ 63.983(b) § 63.983(b)(1) § 63.983(b)(1)(i) § 63.983(b)(1)(i)(A) § 63.983(b)(1)(i)(B) [G]§ 63.983(b)(3) § 63.983(b)(4) § 63.983(b)(4)(ii) § 63.983(c) [G]§ 63.983(c)(1) § 63.983(c)(2) § 63.983(c)(3)	§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(f) § 63.983(b) § 63.983(b)(3)(ii) § 63.983(d)(2) § 63.998(a)(4) § 63.998(d) § 63.998(d)(1) § 63.998(d)(1)(i) § 63.998(d)(1)(ii) § 63.998(d)(1)(ii)(B) [G]§ 63.998(d)(1)(iii) § 63.998(d)(1)(iv) [G]§ 63.998(d)(3)	§ 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b) § 63.2520(a) [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.999(c) § 63.999(c)(1) § 63.999(c)(2) § 63.999(c)(2)(i) § 63.999(c)(2)(iii)
07DTC_7103	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07FUG#001	EU	63FFFF-06	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2445(b) § 63.2450(a) § 63.2450(p) § 63.2480(a) § 63.2480(b) § 63.2480(b)(1) § 63.2480(b)(2) § 63.2480(b)(3) § 63.2480(b)(4)	Standards: Connectors in gas/vapor service and in light liquid service.	[G]§ 63.1021 § 63.1023(a) § 63.1023(a)(1)(iii) § 63.1023(b) § 63.1023(b)(1) [G]§ 63.1023(b)(2) § 63.1023(b)(3) [G]§ 63.1023(b)(4) § 63.1023(b)(5)	§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(f) [G]§ 63.1021 § 63.1023(e)(2) § 63.1024(d) § 63.1027(b)(3)(v) § 63.1038(a) § 63.1038(b)	§ 63.2445(c) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b) § 63.2520(a) [G]§ 63.2520(b) § 63.2520(d)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.2480(d) § 63.2525(j) § 63.2540 [G]§ 63.1021 § 63.1022(a) § 63.1022(b) § 63.1022(b)(1) § 63.1024(a) § 63.1024(c) § 63.1024(c)(1) § 63.1024(d) § 63.1024(d)(1) § 63.1024(d)(2) [G]§ 63.1024(d)(3) § 63.1027(d) § 63.1027(e) [G]§ 63.1027(e)(2)		§ 63.1023(b)(6) [G]§ 63.1023(c) § 63.1023(e) § 63.1023(e)(1) § 63.1027(a) [G]§ 63.1027(b) § 63.1027(c) § 63.1027(e) § 63.1027(e)(2) § 63.1027(e)(2)(ii)	§ 63.1038(b)(1) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c) § 63.1038(c)(3)	§ 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.2520(e) § 63.2520(e)(1) § 63.2520(e)(10) § 63.2520(e)(10)(i) § 63.2520(e)(10)(i)(A) § 63.2520(e)(10)(i)(B) § 63.2520(e)(10)(i)(C) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) § 63.2520(e)(5)(ii) § 63.2520(e)(5)(ii)(A) § 63.2520(e)(5)(ii)(B) § 63.2520(e)(7) § 63.2520(e)(9) [G]§ 63.1021 § 63.1039(a) [G]§ 63.1039(a)(1) § 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(iii) § 63.1039(b)(2) § 63.1039(b)(8)
07FUG#001	EU	63FFFF-06	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2445(b) § 63.2450(a) § 63.2450(p) § 63.2480(a) § 63.2480(b) § 63.2480(b)(1) § 63.2480(b)(2)	Standards: Closed-vent systems.	[G]§ 63.1021 § 63.1023(a) § 63.1023(b) § 63.1023(b)(1) [G]§ 63.1023(b)(2) § 63.1023(b)(3) [G]§ 63.1023(b)(4)	§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(f) [G]§ 63.1021 § 63.1023(e)(2) § 63.1024(d) [G]§ 63.1024(f)	§ 63.2445(c) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b) § 63.2520(a)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.2480(b)(3) § 63.2480(b)(4) § 63.2480(d) § 63.2525(j) § 63.2540 [G]§ 63.1021 § 63.1022(a) § 63.1022(b) § 63.1022(b)(1) § 63.1024(a) § 63.1024(c)(2) § 63.1024(d) § 63.1024(d)(1) § 63.1024(d)(2) § 63.1034(a) § 63.1034(b) § 63.1034(b)(2) § 63.1034(b)(2)(iii) § 63.982(b) § 63.983(a) § 63.983(a)(1) § 63.983(a)(2) § 63.983(a)(3) § 63.983(a)(3)(ii) § 63.983(d) [G]§ 63.983(d)(1) [G]§ 63.983(d)(2) § 63.983(d)(3)		§ 63.1023(b)(5) [G]§ 63.1023(c) § 63.1023(e) § 63.1023(e)(1) § 63.983(b) § 63.983(b)(1) § 63.983(b)(1)(i) § 63.983(b)(1)(i)(A) § 63.983(b)(1)(i)(B) [G]§ 63.983(b)(3) § 63.983(b)(4) § 63.983(b)(4)(ii) § 63.983(c) [G]§ 63.983(c)(1) § 63.983(c)(2) § 63.983(c)(3)	§ 63.1038(a) § 63.1038(b) § 63.1038(b)(1) § 63.1038(b)(6) § 63.1038(b)(7) § 63.983(b) § 63.983(b)(3) § 63.983(b)(3)(ii) § 63.983(d)(2) § 63.998(d) § 63.998(d)(1) § 63.998(d)(1)(i) § 63.998(d)(1)(ii) § 63.998(d)(1)(ii)(B) [G]§ 63.998(d)(1)(iii) § 63.998(d)(1)(iv) [G]§ 63.998(d)(3)	[G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.2520(e) § 63.2520(e)(1) § 63.2520(e)(10) § 63.2520(e)(10)(i) § 63.2520(e)(10)(i)(A) § 63.2520(e)(10)(i)(B) § 63.2520(e)(10)(i)(C) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) § 63.2520(e)(5)(ii) § 63.2520(e)(5)(ii)(A) § 63.2520(e)(5)(ii)(B) § 63.2520(e)(7) § 63.2520(e)(9) § 63.999(c)(2)(i) § 63.999(c)(2)(iii) [G]§ 63.1021 § 63.1039(a) [G]§ 63.1039(a)(1) § 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(2) § 63.1039(b)(8) § 63.999(c) § 63.999(c)(1) § 63.999(c)(2)
07FUG#001	EU	63FFFF-06	112(B)	40 CFR Part 63,	§ 63.2445(b)	Standards:	[G]§ 63.1021	§ 63.2525(a)	§ 63.2445(c)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			HAPS	Subpart FFFF	§ 63.2450(a) § 63.2450(p) § 63.2480(a) § 63.2480(b) § 63.2480(b)(1) § 63.2480(b)(2) § 63.2480(b)(3) § 63.2480(b)(4) § 63.2480(d) § 63.2525(j) § 63.2540 [G]§ 63.1021 § 63.1022(a) § 63.1022(b) § 63.1022(b)(4) § 63.1024(a) § 63.1024(c)(2) § 63.1024(d) § 63.1024(d)(1) § 63.1024(d)(2) § 63.1029(a) § 63.1029(c)	Instrumentation systems.	§ 63.1023(a) § 63.1023(b) § 63.1023(b)(1) [G]§ 63.1023(b)(2) § 63.1023(b)(3) [G]§ 63.1023(b)(4) § 63.1023(b)(5) [G]§ 63.1023(c) § 63.1023(e) § 63.1023(e)(1) [G]§ 63.1029(b) § 63.1029(b)(1) § 63.1029(b)(2)	[G]§ 63.2525(b) § 63.2525(f) [G]§ 63.1021 § 63.1023(e)(2) § 63.1024(d) [G]§ 63.1024(f) § 63.1038(a) § 63.1038(b) § 63.1038(b)(1) § 63.1038(b)(6) § 63.1038(b)(7)	§ 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b) § 63.2520(a) [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.2520(e) § 63.2520(e)(1) § 63.2520(e)(10) § 63.2520(e)(10)(i) § 63.2520(e)(10)(i)(A) § 63.2520(e)(10)(i)(B) § 63.2520(e)(10)(i)(C) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) § 63.2520(e)(5)(ii) § 63.2520(e)(5)(ii)(A) § 63.2520(e)(5)(ii)(B) § 63.2520(e)(7) § 63.2520(e)(9) [G]§ 63.1021 § 63.1039(a) [G]§ 63.1039(a)(1) § 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(2) § 63.1039(b)(8)

### 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)
07FUG#001	EU	63FFFF-06	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2445(b) § 63.2450(a) § 63.2450(p) § 63.2480(a) § 63.2480(b) § 63.2480(b)(1) § 63.2480(b)(2) § 63.2480(b)(3) § 63.2480(b)(4) § 63.2480(d) § 63.2525(j) § 63.2540 [G]§ 63.1021 § 63.1022(a) § 63.1024(a) § 63.1024(c)(2) § 63.1024(d) § 63.1024(d)(1) § 63.1024(d)(2) § 63.1033(a) [G]§ 63.1033(b) § 63.1033(c) § 63.1033(d)	Standards: Open-ended valves or lines.	[G]§ 63.1021 § 63.1023(a) § 63.1023(b) § 63.1023(b)(1) [G]§ 63.1023(b)(2) § 63.1023(b)(3) [G]§ 63.1023(b)(4) § 63.1023(b)(5) [G]§ 63.1023(c) § 63.1023(e) § 63.1023(e)(1)	§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(f) [G]§ 63.1021 § 63.1023(e)(2) § 63.1024(d) [G]§ 63.1024(f) § 63.1038(a) § 63.1038(b) § 63.1038(b)(1) § 63.1038(b)(6) § 63.1038(b)(7)	§ 63.2445(c) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b) § 63.2520(a) [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.2520(e) § 63.2520(e)(1) § 63.2520(e)(10) § 63.2520(e)(10)(i) § 63.2520(e)(10)(i)(A) § 63.2520(e)(10)(i)(B) § 63.2520(e)(10)(i)(C) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) § 63.2520(e)(5)(ii) § 63.2520(e)(5)(ii)(A) § 63.2520(e)(5)(ii)(B) § 63.2520(e)(7) § 63.2520(e)(9) [G]§ 63.1021 § 63.1039(a) [G]§ 63.1039(a)(1) § 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(2) § 63.1039(b)(8)



### 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)
07FUG#001	EU	63FFFF-06	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2445(b) § 63.2450(a) § 63.2450(p) § 63.2480(a) § 63.2480(b) § 63.2480(b)(1) § 63.2480(b)(2) § 63.2480(b)(3) § 63.2480(b)(4) § 63.2480(d) § 63.2525(j) § 63.2540 [G]§ 63.1021 § 63.1022(a) § 63.1022(b) § 63.1022(b)(2) § 63.1022(b)(3) § 63.1024(a) § 63.1024(b) § 63.1024(c) § 63.1024(c)(2) § 63.1024(d) § 63.1024(d)(1) § 63.1024(d)(2)	Standards: Pressure relief device in gas/vapor service.	[G]§ 63.1021 § 63.1023(a) § 63.1023(a)(1)(v) § 63.1023(b) § 63.1023(b)(1) [G]§ 63.1023(b)(2) § 63.1023(b)(3) [G]§ 63.1023(b)(4) § 63.1023(b)(5) [G]§ 63.1023(c) § 63.1023(e) § 63.1023(e)(1) § 63.1030(c) § 63.1030(c)(1) § 63.1030(c)(2)	§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(f) [G]§ 63.1021 § 63.1023(e)(2) § 63.1024(d) [G]§ 63.1024(f) § 63.1030(c)(3) § 63.1038(a) § 63.1038(b) § 63.1038(b)(1) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c) § 63.1038(c)(5)	§ 63.2445(c) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b) § 63.2520(a) [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.2520(e) § 63.2520(e)(1) § 63.2520(e)(10) § 63.2520(e)(10)(i) § 63.2520(e)(10)(i)(A) § 63.2520(e)(10)(i)(B) § 63.2520(e)(10)(i)(C) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) § 63.2520(e)(5)(ii) § 63.2520(e)(5)(ii)(A) § 63.2520(e)(5)(ii)(B) § 63.2520(e)(7) § 63.2520(e)(9) [G]§ 63.1021 § 63.1039(a) [G]§ 63.1039(a)(1) § 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(2) § 63.1039(b)(4)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.1039(b)(8)
07FUG#001	EU	63FFFF-06	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2445(b) § 63.2450(a) § 63.2450(p) § 63.2480(a) § 63.2480(b) § 63.2480(b)(1) § 63.2480(b)(2) § 63.2480(b)(3) § 63.2480(b)(4) § 63.2480(d) § 63.2525(j) § 63.2540 [G]§ 63.1021 § 63.1022(a) § 63.1022(b) § 63.1022(b)(3) § 63.1024(a) § 63.1024(c)(2) § 63.1024(d) § 63.1024(d)(1) § 63.1024(d)(2) § 63.1029(a) § 63.1029(c)	Standards: Pressure relief devices in liquid service.	[G]§ 63.1021 § 63.1023(a) § 63.1023(b) § 63.1023(b)(1) [G]§ 63.1023(b)(2) § 63.1023(b)(3) [G]§ 63.1023(b)(4) § 63.1023(b)(5) [G]§ 63.1023(c) § 63.1023(e) § 63.1023(e)(1) [G]§ 63.1029(b)	§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(f) [G]§ 63.1021 § 63.1023(e)(2) § 63.1024(d) [G]§ 63.1024(f) § 63.1038(a) § 63.1038(b) § 63.1038(b)(1) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c) § 63.1038(c)(5)	§ 63.2445(c) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b) § 63.2520(a) [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.2520(e) § 63.2520(e)(1) § 63.2520(e)(10) § 63.2520(e)(10)(i) § 63.2520(e)(10)(i)(A) § 63.2520(e)(10)(i)(B) § 63.2520(e)(10)(i)(C) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) § 63.2520(e)(5)(ii) § 63.2520(e)(5)(ii)(A) § 63.2520(e)(5)(ii)(B) § 63.2520(e)(7) § 63.2520(e)(9) [G]§ 63.1021 § 63.1039(a) [G]§ 63.1039(a)(1) § 63.1039(b) § 63.1039(b)(1)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.1039(b)(2) § 63.1039(b)(8)
07FUG#001	EU	63FFFF-06	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2445(b) § 63.2450(a) § 63.2450(p) § 63.2480(a) § 63.2480(b) § 63.2480(b)(1) § 63.2480(b)(2) § 63.2480(b)(3) § 63.2480(b)(4) § 63.2480(d) § 63.2525(j) § 63.2540 [G]§ 63.1021 § 63.1022(a) § 63.1022(b) § 63.1022(b)(2) § 63.1024(a) § 63.1024(c)(2) § 63.1024(d) § 63.1024(d)(1) § 63.1024(d)(2) [G]§ 63.1024(d)(4) § 63.1026(a) § 63.1026(b)(3) § 63.1026(b)(4)(ii) [G]§ 63.1026(c) § 63.1026(d) § 63.1026(e) § 63.1026(e)(1) § 63.1026(e)(1)(i) § 63.1026(e)(1)(ii) § 63.1026(e)(1)(ii)(A) § 63.1026(e)(1)(ii)(B) § 63.1026(e)(1)(ii)(C) § 63.1026(e)(1)(iii) § 63.1026(e)(1)(v)(B) § 63.1026(e)(1)(vi) § 63.1026(e)(1)(viii)	Standards: Pumps in light liquid service.	[G]§ 63.1021 § 63.1023(a) § 63.1023(a)(1)(ii) § 63.1023(a)(2) § 63.1023(b) § 63.1023(b)(1) [G]§ 63.1023(b)(2) § 63.1023(b)(3) [G]§ 63.1023(b)(4) § 63.1023(b)(5) [G]§ 63.1023(c) § 63.1023(d) § 63.1023(e) § 63.1023(e)(1) § 63.1026(b) § 63.1026(b)(1) § 63.1026(b)(2) § 63.1026(b)(2)(iii) § 63.1026(b)(4)(i) § 63.1026(e)(1)(iv) § 63.1026(e)(1)(v) § 63.1026(e)(1)(v)(A) § 63.1026(e)(1)(vii)	§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(f) [G]§ 63.1021 § 63.1023(e)(2) § 63.1024(d) [G]§ 63.1024(f) § 63.1026(e)(1)(i) § 63.1038(a) § 63.1038(b) § 63.1038(b)(1) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(2) § 63.1038(c)(2)(ii) [G]§ 63.1038(c)(7)	§ 63.2445(c) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b) § 63.2520(a) [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.2520(e) § 63.2520(e)(1) § 63.2520(e)(10) § 63.2520(e)(10)(i) § 63.2520(e)(10)(i)(A) § 63.2520(e)(10)(i)(B) § 63.2520(e)(10)(i)(C) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) § 63.2520(e)(5)(ii) § 63.2520(e)(5)(ii)(A) § 63.2520(e)(5)(ii)(B) § 63.2520(e)(7) § 63.2520(e)(9) [G]§ 63.1021 § 63.1039(a) [G]§ 63.1039(a)(1) § 63.1039(b)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.1026(e)(2) § 63.1026(e)(3) § 63.1026(e)(5) [G]§ 63.1035				§ 63.1039(b)(1) § 63.1039(b)(1)(iii) § 63.1039(b)(2) § 63.1039(b)(8)
07FUG#001	EU	63FFFF-06	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2445(b) § 63.2450(a) § 63.2450(p) § 63.2480(a) § 63.2480(b) § 63.2480(b)(1) § 63.2480(b)(2) § 63.2480(b)(3) § 63.2480(b)(4) § 63.2480(d) § 63.2525(j) § 63.2540 [G]§ 63.1021 § 63.1022(a) § 63.1024(a) § 63.1024(c)(2) § 63.1024(d) § 63.1024(d)(1) § 63.1024(d)(2) § 63.1032(a) § 63.1032(b) § 63.1032(c) § 63.1032(c)(1) § 63.1032(c)(3) [G]§ 63.1032(c)(4) § 63.1032(c)(5) § 63.1032(c)(6)	Standards: Sampling connection systems.	[G]§ 63.1021 § 63.1023(a) § 63.1023(b) § 63.1023(b)(1) [G]§ 63.1023(b)(2) § 63.1023(b)(3) [G]§ 63.1023(b)(4) § 63.1023(b)(5) [G]§ 63.1023(c) § 63.1023(e) § 63.1023(e)(1)	§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(f) [G]§ 63.1021 § 63.1023(e)(2) § 63.1024(d) [G]§ 63.1024(f) § 63.1038(a) § 63.1038(b) § 63.1038(b)(1) § 63.1038(b)(6) § 63.1038(b)(7)	§ 63.2445(c) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b) § 63.2520(a) [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.2520(e) § 63.2520(e)(1) § 63.2520(e)(10) § 63.2520(e)(10)(i) § 63.2520(e)(10)(i)(A) § 63.2520(e)(10)(i)(B) § 63.2520(e)(10)(i)(C) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) § 63.2520(e)(5)(ii) § 63.2520(e)(5)(ii)(A) § 63.2520(e)(5)(ii)(B) § 63.2520(e)(7) § 63.2520(e)(9) [G]§ 63.1021 § 63.1039(a)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									[G]§ 63.1039(a)(1) § 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(2) § 63.1039(b)(8)
07FUG#001	EU	63FFFF-06	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2445(b) § 63.2450(a) § 63.2450(p) § 63.2480(a) § 63.2480(b) § 63.2480(b)(1) § 63.2480(b)(2) § 63.2480(b)(3) § 63.2480(b)(4) § 63.2480(d) § 63.2525(j) § 63.2540 [G]§ 63.1021 § 63.1022(a) § 63.1022(c) § 63.1022(c)(2) [G]§ 63.1022(c)(2)(i) § 63.1022(e) § 63.1022(e)(2) § 63.1024(a) § 63.1024(c) § 63.1024(c)(1) § 63.1024(d) § 63.1024(d)(1) § 63.1024(d)(2) [G]§ 63.1024(d)(3) § 63.1024(d)(5) [G]§ 63.1025(a) § 63.1025(b)(2) [G]§ 63.1025(c) § 63.1025(d) § 63.1025(d)(1)	Standards: Valves in gas/vapor service and in light liquid service.	[G]§ 63.1021 § 63.1023(a) § 63.1023(a)(1) § 63.1023(a)(1)(i) § 63.1023(b) § 63.1023(b)(1) [G]§ 63.1023(b)(2) § 63.1023(b)(3) [G]§ 63.1023(b)(4) § 63.1023(b)(5) § 63.1023(b)(6) [G]§ 63.1023(c) § 63.1023(e) § 63.1023(e)(1) § 63.1025(b) § 63.1025(b)(1) § 63.1025(b)(3) § 63.1025(b)(3)(i) § 63.1025(b)(3)(ii) § 63.1025(b)(3)(iii) § 63.1025(b)(3)(iv) § 63.1025(b)(3)(v) [G]§ 63.1025(d)(2)	§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(f) [G]§ 63.1021 § 63.1022(c)(3) § 63.1022(c)(4) § 63.1024(c)(4)(ii) § 63.1023(e)(2) § 63.1024(d) [G]§ 63.1024(f) § 63.1025(b)(3)(vi) § 63.1038(a) § 63.1038(b) § 63.1038(b)(1) § 63.1038(b)(2) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c) § 63.1038(c)(1) § 63.1038(c)(1)(i)	§ 63.2445(c) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b) § 63.2520(a) [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.2520(e) § 63.2520(e)(1) § 63.2520(e)(10) § 63.2520(e)(10)(i) § 63.2520(e)(10)(i)(A) § 63.2520(e)(10)(i)(B) § 63.2520(e)(10)(i)(C) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) § 63.2520(e)(5)(ii) § 63.2520(e)(5)(ii)(A) § 63.2520(e)(5)(ii)(B) § 63.2520(e)(7) § 63.2520(e)(9) [G]§ 63.1021

### 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)
									§ 63.1039(a) [G]§ 63.1039(a)(1) § 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(i) § 63.1039(b)(2) § 63.1039(b)(5) § 63.1039(b)(8)
07HTR#7701	EU	60Dc	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	Except as provided in paragraphs (d), (e), (f), and (g) of this section, the affected facility to which this subpart applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/h)) or less, but greater than or equal to 2.9 MW (10 MMBtu/h).	None	[G]§ 60.48c(g) § 60.48c(i)	§ 60.48c(a) § 60.48c(a)(1) § 60.48c(a)(3)
07HTR#7701	EU	60Dc	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	Except as provided in paragraphs (d), (e), (f), and (g) of this section, the affected facility to which this subpart applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat	None	[G]§ 60.48c(g) § 60.48c(i)	§ 60.48c(a) § 60.48c(a)(1) § 60.48c(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)
						input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/h)) or less, but greater than or equal to 2.9 MW (10 MMBtu/h).			
07HTR#7701	EU	60Dc	SO <sub>2</sub>	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	Except as provided in paragraphs (d), (e), (f), and (g) of this section, the affected facility to which this subpart applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/h)) or less, but greater than or equal to 2.9 MW (10 MMBtu/h).	None	[G]§ 60.48c(g) § 60.48c(i)	§ 60.48c(a) § 60.48c(a)(1) § 60.48c(a)(3)
07HTR#7701	EU	63DDDDD-1	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7495(b) § 63.7495(h) § 63.7499(l) § 63.7500(a) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7510(e) § 63.7510(j) § 63.7515(d) § 63.7540(a) § 63.7540(a)(10) § 63.7540(a)(13)	If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).	§ 63.7521(f) § 63.7521(f)(1) § 63.7521(f)(2) § 63.7521(g) § 63.7521(g)(1) § 63.7521(g)(2) § 63.7521(g)(2)(i) § 63.7521(g)(2)(ii) § 63.7521(g)(2)(iii) § 63.7521(g)(2)(iv) § 63.7521(g)(2)(v) § 63.7521(h) § 63.7521(i)	§ 63.7530(g) [G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) [G]§ 63.7560	§ 63.7495(d) § 63.7530(e) [G]§ 63.7540(a)(10)(vi) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(8) § 63.7545(e)(8)(i) § 63.7545(e)(8)(ii) § 63.7550(a) [G]§ 63.7550(b)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.7565		§ 63.7530(g) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(c) § 63.7540(c)(4)		§ 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(iv) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
07HTR#7708	EU	60Dc	PM (Opacity)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	Except as provided in paragraphs (d), (e), (f), and (g) of this section, the affected facility to which this subpart applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/h)) or less, but greater than or equal to 2.9 MW (10 MMBtu/h).	None	[G]§ 60.48c(g) § 60.48c(i)	§ 60.48c(a) § 60.48c(a)(1) § 60.48c(a)(3)
07HTR#7708	EU	60Dc	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	Except as provided in paragraphs (d), (e), (f), and (g) of this section, the affected facility to which this subpart applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9,	None	[G]§ 60.48c(g) § 60.48c(i)	§ 60.48c(a) § 60.48c(a)(1) § 60.48c(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)
						1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/h)) or less, but greater than or equal to 2.9 MW (10 MMBtu/h).			
07HTR#7708	EU	60Dc	SO <sub>2</sub>	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	Except as provided in paragraphs (d), (e), (f), and (g) of this section, the affected facility to which this subpart applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/h)) or less, but greater than or equal to 2.9 MW (10 MMBtu/h).	None	[G]§ 60.48c(g) § 60.48c(i)	§ 60.48c(a) § 60.48c(a)(1) § 60.48c(a)(3)
07HTR#7708	EU	63DDDDD-3	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7495(b) § 63.7495(h) § 63.7499(l) § 63.7500(a) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7510(e) § 63.7510(j) § 63.7515(d) § 63.7540(a)	If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).	§ 63.7521(f) § 63.7521(f)(1) § 63.7521(f)(2) § 63.7521(g) § 63.7521(g)(1) § 63.7521(g)(2) § 63.7521(g)(2)(i) § 63.7521(g)(2)(ii) § 63.7521(g)(2)(iii) § 63.7521(g)(2)(iv) § 63.7521(g)(2)(v)	§ 63.7530(g) [G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) [G]§ 63.7560	§ 63.7495(d) § 63.7530(e) [G]§ 63.7540(a)(10)(vi) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(8) § 63.7545(e)(8)(i) § 63.7545(e)(8)(ii)

### 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)
					§ 63.7540(a)(12) § 63.7540(a)(13) § 63.7565		§ 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(c) § 63.7540(c)(4)		§ 63.7550(a) [G]§ 63.7550(b) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(iv) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
07LRC#001	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B)	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(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	None
07LRC#001	EU	63FFFF-10	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2445(b) § 63.2445(d) § 63.2450(p) § 63.2525(j) § 63.2540	If you have an existing source on November 10, 2003, you must comply with the requirements for existing sources in this subpart no later than May 10, 2008.	None	§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(f)	§ 63.2445(c) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b) § 63.2520(a) [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.2520(e)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.2520(e)(1) § 63.2520(e)(10) § 63.2520(e)(10)(i) § 63.2520(e)(10)(i)(A) § 63.2520(e)(10)(i)(B) § 63.2520(e)(10)(i)(C) § 63.2520(e)(10)(ii) § 63.2520(e)(10)(ii)(C) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) § 63.2520(e)(5)(ii) § 63.2520(e)(5)(ii)(A) § 63.2520(e)(5)(ii)(B) § 63.2520(e)(7) § 63.2520(e)(9)
07LTR#001	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B)	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(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	None
07LTR#001	EU	63FFFF-11	112(b) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2445(b) § 63.2445(d) § 63.2450(p) § 63.2525(j) § 63.2540	If you have an existing source on November 10, 2003, you must comply with the requirements for existing sources in this subpart no later than May 10, 2008.	None	§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(f)	§ 63.2445(c) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b) § 63.2520(a) [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(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)
									§ 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.2520(e) § 63.2520(e)(1) § 63.2520(e)(10) § 63.2520(e)(10)(i) § 63.2520(e)(10)(i)(A) § 63.2520(e)(10)(i)(B) § 63.2520(e)(10)(i)(C) § 63.2520(e)(10)(ii) § 63.2520(e)(10)(ii)(C) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) § 63.2520(e)(5)(ii) § 63.2520(e)(5)(ii)(A) § 63.2520(e)(5)(ii)(B) § 63.2520(e)(7) § 63.2520(e)(9)
07SCB#207	EP	R5121-32	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125 § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
07SCB#7612	EU	63FFFF-14	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2450(e) § 63.2450(e)(3) § 63.2450(k) § 63.2450(k)(2) § 63.2450(m)(3) § 63.2450(p)	If collective uncontrolled hydrogen halide and halogen HAP emissions from the process vents within a process are greater than or equal to	§ 63.2450(k)(3) § 63.994(c) § 63.994(c)(1) § 63.994(c)(1)(i) § 63.994(c)(1)(ii) § 63.994(c)(1)(ii)(A)	[G]§ 63.1111(a) § 63.2450(k)(1) § 63.2450(k)(3) § 63.2525(a) [G]§ 63.2525(b) § 63.2525(f)	§ 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b) § 63.2515(c)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.2465(c)(1) § 63.2540 § 63.994(a) § 63.994(a)(1) § 63.994(a)(2) § 63.994(c)(1)(ii)(D)	1,000 pounds per year (lb/yr), you must comply with §63.994 and the requirements referenced therein, except as specified in paragraphs (c)(1) through (3) of this section.	§ 63.994(c)(1)(ii)(B)	§ 63.2525(g) § 63.2525(j) § 63.994(c)(1)(ii)(D) § 63.998(b) § 63.998(b)(1) § 63.998(b)(1)(i) § 63.998(b)(1)(ii) § 63.998(b)(1)(iii) [G]§ 63.998(b)(2) [G]§ 63.998(b)(3) [G]§ 63.998(b)(5) § 63.998(c) [G]§ 63.998(c)(1) [G]§ 63.998(d)(3)	§ 63.2520(a) [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.996(c)(6) § 63.999(b) [G]§ 63.999(b)(3) § 63.999(b)(4) § 63.999(b)(5) § 63.999(c) § 63.999(c)(1) [G]§ 63.999(c)(6) § 63.999(d) § 63.999(d)(2)
07TFX#107R	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#113	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 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)
07TFX#115R	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#137R	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#180	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#401	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#425	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 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)
07TFX#426	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#428	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#431	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#432	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#433	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 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)
07TFX#434	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#435	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#436	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#443	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#444	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 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)
07TFX#445	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#446	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#446	EU	63FFFF-09	112(b) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2445(b) § 63.2445(d) § 63.2450(p) § 63.2525(j) § 63.2540	If you have an existing source on November 10, 2003, you must comply with the requirements for existing sources in this subpart no later than May 10, 2008.	None	§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(f)	§ 63.2445(c) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b) § 63.2520(a) [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.2520(e) § 63.2520(e)(1) § 63.2520(e)(10) § 63.2520(e)(10)(i) § 63.2520(e)(10)(i)(A) § 63.2520(e)(10)(i)(B) § 63.2520(e)(10)(i)(C) § 63.2520(e)(10)(ii)

### 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)
									§ 63.2520(e)(10)(ii)(C) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) § 63.2520(e)(5)(ii) § 63.2520(e)(5)(iii)(A) § 63.2520(e)(5)(iii)(B) § 63.2520(e)(7) § 63.2520(e)(9)
07TFX#447	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#448	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#521	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#527	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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	None	§ 115.118(a) § 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)
						the requirements of this division.			
07TFX#600	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#601R	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#602	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#603R	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#604	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 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)
07TFX#605	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#607	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#615	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#615	EU	R5131	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(a) § 115.132(a)(1)	VOC water separators must have each compartment totally enclosed with all openings sealed. Gauging and sampling devices shall be vapor-tight except during use.	[G]§ 115.135(a) ** See Periodic Monitoring Summary	§ 115.136(a)(3) § 115.136(a)(4)	None
07TFX#625	EP	R5121-33	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of §	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						115.121(a)(1).			
07TFX#7129	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#7129	EU	R5131	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(a)(2) [G]§ 115.132(a)(4)	Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure of VOC < .5 psia obtained from any equipment is exempt from §115.132(a).	§ 115.135(a) § 115.135(a)(5) § 115.135(a)(6)	§ 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	None
07TFX#7598	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#7599	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#7600	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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	None	§ 115.118(a) § 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)
						division.			
07TFX#7701	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#7801	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#8061	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TFX#8061	EU	R5131	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(a)(2) [G]§ 115.132(a)(4)	Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure of VOC < .5 psia obtained from any equipment is exempt from §115.132(a).	§ 115.135(a) § 115.135(a)(5) § 115.135(a)(6)	§ 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	None
07TIF#7502	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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	None	§ 115.118(a) § 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)
						division.			
07TIF#7800	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
07TOT#103	EP	R5121-34	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
07TOT#148	EP	R5121-35	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
07TOT#149	EP	R5121-36	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	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)
07TOT#151	EP	R5121-37	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
07TOT#7570	EP	R5121-38	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B) § 115.126(4)	None
07VNT_7601	EP	63FFFF-02	112(b) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2445(b) § 63.2450(a) § 63.2450(p) § 63.2455(a) § 63.2455(b) § 63.2455(b)(3) § 63.2525(j) § 63.2540	You must meet each emission limit in Table 1 to this subpart that applies to your continuous process vents, and you must meet each applicable requirement specified in paragraphs (b) through (c) of this section.	None	§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(f) [G]§ 63.998(d)(3)	§ 63.2445(c) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b) § 63.2520(a) [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.2520(e) § 63.2520(e)(1) § 63.2520(e)(10) § 63.2520(e)(10)(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)
									§ 63.2520(e)(10)(i)(A) § 63.2520(e)(10)(i)(B) § 63.2520(e)(10)(i)(C) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) § 63.2520(e)(5)(iii) § 63.2520(e)(5)(iii)(A) § 63.2520(e)(5)(iii)(C) § 63.2520(e)(5)(iii)(D) § 63.2520(e)(5)(iii)(E) § 63.2520(e)(5)(iii)(F) § 63.2520(e)(5)(iii)(G) § 63.2520(e)(5)(iii)(H) § 63.2520(e)(5)(iii)(I) § 63.2520(e)(5)(iii)(J) § 63.2520(e)(5)(iii)(L) § 63.2520(e)(7) § 63.2520(e)(9)
07VNT_7610	EP	63FFFF-04	112(b) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2445(b) § 63.2445(e) § 63.2450(a) § 63.2450(b) § 63.2450(o) § 63.2450(p) § 63.2455(a) § 63.2445(b) § 63.2445(b)(3) § 63.2465(a) § 63.2465(b) § 63.2465(c) § 63.2465(c)(1) § 63.2465(c)(2) § 63.2465(c)(3) § 63.2525(j) § 63.2540	You must meet each emission limit in Table 1 to this subpart that applies to your continuous process vents, and you must meet each applicable requirement specified in paragraphs (b) through (c) of this section.	§ 63.2445(e)	§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(f) [G]§ 63.998(d)(3)	§ 63.2445(c) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2465(b) § 63.2515(a) § 63.2515(b) § 63.2520(a) [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.2520(e)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.2520(e)(1) § 63.2520(e)(10) § 63.2520(e)(10)(i) § 63.2520(e)(10)(i)(A) § 63.2520(e)(10)(i)(B) § 63.2520(e)(10)(i)(C) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) § 63.2520(e)(5)(iii) § 63.2520(e)(5)(iii)(A) § 63.2520(e)(5)(iii)(C) § 63.2520(e)(5)(iii)(D) § 63.2520(e)(5)(iii)(E) § 63.2520(e)(5)(iii)(F) § 63.2520(e)(5)(iii)(G) § 63.2520(e)(5)(iii)(H) § 63.2520(e)(5)(iii)(I) § 63.2520(e)(5)(iii)(J) § 63.2520(e)(5)(iii)(L) § 63.2520(e)(7) § 63.2520(e)(9)
07VNT_7611	EP	63FFFF-05	112(b) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2445(b) § 63.2445(e) § 63.2450(a) § 63.2450(b) § 63.2450(o) § 63.2450(p) § 63.2455(a) § 63.2445(b) § 63.2445(b)(3) § 63.2465(a) § 63.2465(b) § 63.2465(c) § 63.2465(c)(1) § 63.2465(c)(2) § 63.2465(c)(3) § 63.2525(j)	You must meet each emission limit in Table 1 to this subpart that applies to your continuous process vents, and you must meet each applicable requirement specified in paragraphs (b) through (c) of this section.	§ 63.2445(e)	§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(f) [G]§ 63.998(d)(3)	§ 63.2445(c) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2465(b) § 63.2515(a) § 63.2515(b) § 63.2520(a) [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv)

### 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)
					§ 63.2540				§ 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.2520(e) § 63.2520(e)(1) § 63.2520(e)(10) § 63.2520(e)(10)(i) § 63.2520(e)(10)(i)(A) § 63.2520(e)(10)(i)(B) § 63.2520(e)(10)(i)(C) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) § 63.2520(e)(5)(iii) § 63.2520(e)(5)(iii)(A) § 63.2520(e)(5)(iii)(C) § 63.2520(e)(5)(iii)(D) § 63.2520(e)(5)(iii)(E) § 63.2520(e)(5)(iii)(F) § 63.2520(e)(5)(iii)(G) § 63.2520(e)(5)(iii)(H) § 63.2520(e)(5)(iii)(I) § 63.2520(e)(5)(iii)(J) § 63.2520(e)(5)(iii)(L) § 63.2520(e)(7) § 63.2520(e)(9)
07VNT_7626	EP	63FFFF-03	112(b) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2445(b) § 63.2450(a) § 63.2450(p) § 63.2455(a) § 63.2455(b) § 63.2455(b)(3) § 63.2525(j) § 63.2540	You must meet each emission limit in Table 1 to this subpart that applies to your continuous process vents, and you must meet each applicable requirement specified in paragraphs (b) through (c) of this section.	None	§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(f) [G]§ 63.998(d)(3)	§ 63.2445(c) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b) § 63.2520(a) [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii)

### 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)
									§ 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.2520(e) § 63.2520(e)(1) § 63.2520(e)(10) § 63.2520(e)(10)(i) § 63.2520(e)(10)(i)(A) § 63.2520(e)(10)(i)(B) § 63.2520(e)(10)(i)(C) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) § 63.2520(e)(5)(iii) § 63.2520(e)(5)(iii)(A) § 63.2520(e)(5)(iii)(C) § 63.2520(e)(5)(iii)(D) § 63.2520(e)(5)(iii)(E) § 63.2520(e)(5)(iii)(F) § 63.2520(e)(5)(iii)(G) § 63.2520(e)(5)(iii)(H) § 63.2520(e)(5)(iii)(I) § 63.2520(e)(5)(iii)(J) § 63.2520(e)(5)(iii)(L) § 63.2520(e)(7) § 63.2520(e)(9)
07WWS#001	EU	63FFFF-01	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2445(b) § 63.2445(d) § 63.2450(a) § 63.2450(p) § 63.2485(a) § 63.2485(b) § 63.2485(j) § 63.2485(m) § 63.2525(j) § 63.2540 § 63.105	You must meet each requirement in table 7 to this subpart that applies to your wastewater streams and liquid streams in open systems within an MCPU, except as specified in paragraphs (b) through (o) of this section.	§ 63.2485(h) § 63.2485(h)(1) § 63.2485(h)(2) § 63.2485(h)(3) § 63.2485(j)	§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(f) [G]§ 63.105(b) § 63.105(c) § 63.144(b)(5)(ii) § 63.146(b) [G]§ 63.146(b)(8)	§ 63.2445(c) § 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b) § 63.2520(a) [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(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)
					§ 63.132(a) § 63.132(a)(1) § 63.132(a)(1)(i) § 63.132(a)(1)(iii) § 63.132(a)(3) § 63.132(c) [G]§ 63.132(c)(1) § 63.132(c)(2) § 63.132(c)(3) [G]§ 63.132(f) § 63.144(a) § 63.144(a)(1) § 63.144(b) § 63.144(b)(1) § 63.144(b)(3) § 63.144(b)(5) [G]§ 63.144(b)(5)(i) § 63.144(b)(5)(ii) [G]§ 63.144(b)(5)(iii) § 63.144(b)(5)(iv) § 63.144(b)(6) [G]§ 63.144(c)			§ 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.2520(e) § 63.2520(e)(1) § 63.2520(e)(10) § 63.2520(e)(10)(i) § 63.2520(e)(10)(i)(A) § 63.2520(e)(10)(i)(B) § 63.2520(e)(10)(i)(C) § 63.2520(e)(10)(ii) § 63.2520(e)(10)(ii)(C) § 63.2520(e)(2) § 63.2520(e)(3) § 63.2520(e)(4) § 63.2520(e)(5) § 63.2520(e)(5)(i) § 63.2520(e)(5)(ii) § 63.2520(e)(5)(ii)(A) § 63.2520(e)(5)(ii)(B) § 63.2520(e)(7) § 63.2520(e)(9) § 63.146(b) [G]§ 63.146(b)(1) § 63.146(b)(2)	
08BLR#9201	EU	63DDDDD-1	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7495(b) § 63.7495(h) § 63.7499(l) § 63.7500(a) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7510(e) § 63.7510(j) § 63.7515(d) § 63.7540(a) § 63.7540(a)(10)	If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).	§ 63.7521(f) § 63.7521(f)(1) § 63.7521(f)(2) § 63.7521(g) § 63.7521(g)(1) § 63.7521(g)(2) § 63.7521(g)(2)(i) § 63.7521(g)(2)(ii) § 63.7521(g)(2)(iii) § 63.7521(g)(2)(iv) § 63.7521(g)(2)(v) § 63.7521(h)	§ 63.7530(g) [G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) [G]§ 63.7560	§ 63.7495(d) § 63.7530(e) [G]§ 63.7540(a)(10)(vi) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(8) § 63.7545(e)(8)(i) § 63.7545(e)(8)(ii) § 63.7550(a)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.7540(a)(13) § 63.7565		§ 63.7521(i) § 63.7530(g) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(c) § 63.7540(c)(4)		[G]§ 63.7550(b) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(iv) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
08BLR#9400	EU	63DDDDD-1	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7495(b) § 63.7495(h) § 63.7499(l) § 63.7500(a) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7510(e) § 63.7510(j) § 63.7515(d) § 63.7540(a) § 63.7540(a)(10) § 63.7540(a)(13) § 63.7565	If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).	§ 63.7521(f) § 63.7521(f)(1) § 63.7521(f)(2) § 63.7521(g) § 63.7521(g)(1) § 63.7521(g)(2) § 63.7521(g)(2)(i) § 63.7521(g)(2)(ii) § 63.7521(g)(2)(iii) § 63.7521(g)(2)(iv) § 63.7521(g)(2)(v) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(c) § 63.7540(c)(4)	§ 63.7530(g) [G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) [G]§ 63.7560	§ 63.7495(d) § 63.7530(e) [G]§ 63.7540(a)(10)(vi) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(8) § 63.7545(e)(8)(i) § 63.7545(e)(8)(ii) § 63.7550(a) [G]§ 63.7550(b) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(iv) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
08BLR#9401	EU	63DDDDD-1	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7495(b) § 63.7495(h) § 63.7499(l) § 63.7500(a) § 63.7500(a)(3)	If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except	§ 63.7521(f) § 63.7521(f)(1) § 63.7521(f)(2) § 63.7521(g) § 63.7521(g)(1)	§ 63.7530(g) [G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) [G]§ 63.7560	§ 63.7495(d) § 63.7530(e) [G]§ 63.7540(a)(10)(vi) § 63.7545(a)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.7500(e) § 63.7505(a) § 63.7510(e) § 63.7510(j) § 63.7515(d) § 63.7540(a) § 63.7540(a)(10) § 63.7540(a)(13) § 63.7565	as provided in §63.6(i).	§ 63.7521(g)(2) § 63.7521(g)(2)(i) § 63.7521(g)(2)(ii) § 63.7521(g)(2)(iii) § 63.7521(g)(2)(iv) § 63.7521(g)(2)(v) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(c) § 63.7540(c)(4)		§ 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(8) § 63.7545(e)(8)(i) § 63.7545(e)(8)(ii) § 63.7550(a) [G]§ 63.7550(b) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(iv) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
08BLR#9402	EU	63DDDDD-1	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7495(b) § 63.7495(h) § 63.7499(l) § 63.7500(a) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7510(e) § 63.7510(j) § 63.7515(d) § 63.7540(a) § 63.7540(a)(10) § 63.7540(a)(13) § 63.7565	If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).	§ 63.7521(f) § 63.7521(f)(1) § 63.7521(f)(2) § 63.7521(g) § 63.7521(g)(1) § 63.7521(g)(2) § 63.7521(g)(2)(i) § 63.7521(g)(2)(ii) § 63.7521(g)(2)(iii) § 63.7521(g)(2)(iv) § 63.7521(g)(2)(v) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(c) § 63.7540(c)(4)	§ 63.7530(g) [G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) [G]§ 63.7560	§ 63.7495(d) § 63.7530(e) [G]§ § 63.7540(a)(10)(vi) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(8) § 63.7545(e)(8)(i) § 63.7545(e)(8)(ii) § 63.7550(a) [G]§ 63.7550(b) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(iv) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h)

### 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)
									§ 63.7550(h)(3)
08CTL#9601	PRO	63F-2	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.104(a) [G]§ 63.104(d) [G]§ 63.104(e)	Except as provided in paragraphs (b)(4) and (c) of this section, the provisions of subparts F, G, and H apply to chemical manufacturing process units that meet the criteria.	§ 63.104(a) § 63.104(b) § 63.104(b)(1) § 63.104(b)(2)(i) § 63.104(b)(3) § 63.104(b)(4) § 63.104(b)(4)(i) § 63.104(b)(5) § 63.104(b)(6) § 63.104(c) § 63.104(c)(1) § 63.104(c)(1)(i) § 63.104(c)(1)(ii) § 63.104(c)(1)(iii) § 63.104(c)(2) § 63.104(d)(2)	§ 63.104(c)(1) § 63.104(c)(1)(i) § 63.104(c)(1)(ii) § 63.104(c)(1)(iv) § 63.104(c)(3) [G]§ 63.104(e)(2) [G]§ 63.104(f)(1)	[G]§ 63.104(f)(2)
08ENG#001	EU	60III-2	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4211(f) § 60.4211(f)(1) § 60.4211(f)(2) § 60.4211(f)(2)(i) § 60.4211(f)(3) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	None
08ENG#001	EU	60III-2	NMHC and NOx	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4202(a) § 60.4202(a)(2) § 60.4206 § 60.4207(b)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power	None	None	None



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.4211(a) § 60.4211(c) § 60.4211(f) § 60.4211(f)(1) § 60.4211(f)(2) § 60.4211(f)(2)(i) § 60.4211(f)(3) § 60.4218 § 89.112(a)	greater than or equal to 37 KW and less than 75 KW and a displacement of less than 10 liters per cylinder and is a 2008 model year and later, must comply with an NMHC+NOx emission limit of 4.7 g/KW hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
08ENG#001	EU	60III-2	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4202(a) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4211(f) § 60.4211(f)(1) § 60.4211(f)(2) § 60.4211(f)(2)(i) § 60.4211(f)(3) § 60.4218 § 89.113(a) § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1) (2), (b)(2) and §89.113(a)(1) (3) and §1039.105(b)(1) (3).	None	None	None
08ENG#001	EU	60III-2	PM	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4202(a) § 60.4202(a)(2) § 60.4206 § 60.4207(b)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power	None	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.4211(a) § 60.4211(c) § 60.4211(f) § 60.4211(f)(1) § 60.4211(f)(2) § 60.4211(f)(2)(i) § 60.4211(f)(3) § 60.4218 § 89.112(a)	greater than or equal to 37 KW and less than 75 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.40 g/KW hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).			
08ENG#001	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c) § 63.6590(c)(7)	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
08FUG#001	EU	R5352-8	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	[G]§ 115.356	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(8)				
08FUG#001	EU	R5352-8	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(6) § 115.357(8)	No compressor seals, contacting a process fluid with a TVP >0.044 psia, not in hydrogen service or not equipped with a shaft seal, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(2) § 115.354(2)(A) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	[G]§ 115.356	None
08FUG#001	EU	R5352-8	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(12) § 115.357(6) § 115.357(8)	No connectors, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1)(B) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	[G]§ 115.356	None
08FUG#001	EU	R5352-8	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	[G]§ 115.356(3)(C)	None
08FUG#001	EU	R5352-8	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A)	No accessible valves, rated less than or equal to 10,000 psig and contacting a process fluid	§ 115.354(10) § 115.354(2) § 115.354(2)(C) § 115.354(5)	[G]§ 115.356	[G]§ 115.354(7)

### 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)
					§ 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) § 115.357(9)	with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355		
08FUG#001	EU	R5352-8	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) § 115.357(9)	No difficult-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(B) § 115.354(10) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) [G]§ 115.356	[G]§ 115.354(7)
08FUG#001	EU	R5352-8	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6)	No unsafe-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(C) § 115.354(10) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	[G]§ 115.356	[G]§ 115.354(7)

### 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)
					§ 115.357(8) [G]§ 115.357(9)				
08FUG#001	EU	R5352-8	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	[G]§ 115.356	None
08FUG#001	EU	R5352-8	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(2) § 115.357(6) § 115.357(8) [G]§ 115.357(9)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(2) § 115.354(2)(D) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) [G]§ 115.356	[G]§ 115.354(7)
08FUG#001	EU	R5352-8	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(13) § 115.357(2) § 115.357(6)	No pressure relief valves (liquid service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) [G]§ 115.356	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(9)				
08FUG#001	EU	R5352-8	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	[G]§ 115.356(3)(C)	None
08FUG#001	EU	63H-3	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.171(c)	Standards: Agitators in gas/vapor service and in liquid service.	§ 63.162(f)(3) § 63.173(a)(1) § 63.173(a)(2)	None	§ 63.182(d)(2)(vii) § 63.182(d)(2)(viii)
08FUG#001	EU	63H-3	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.171(c) § 63.171(c)(1) § 63.171(c)(2) § 63.174(d) [G]§ 63.174(f) [G]§ 63.174(g) [G]§ 63.174(h)(1) § 63.174(h)(2) § 63.174(h)(3) [G]§ 63.174(i)	Standards: Connectors in gas/vapor service and in light liquid service. §63.174(a)-(j)	§ 63.162(f)(2) [G]§ 63.174(a) § 63.174(b) § 63.174(b)(1) [G]§ 63.174(b)(3) [G]§ 63.174(c)(1) § 63.174(c)(2) § 63.174(c)(2)(i) § 63.174(c)(2)(ii) § 63.174(c)(2)(iv) § 63.174(d) [G]§ 63.174(f)	§ 63.174(f)(2) § 63.181(b)(1)(ii) § 63.181(b)(10) § 63.181(b)(5) § 63.181(b)(7) § 63.181(b)(7)(i) § 63.181(b)(7)(iii) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(7)(i) § 63.181(d)(7)(ii) § 63.181(d)(9)	§ 63.182(d)(2)(ix) § 63.182(d)(2)(xi) § 63.182(d)(2)(xvi)
08FUG#001	EU	63H-3	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.169(a) § 63.169(b) [G]§ 63.169(c) § 63.169(d)	Standards: Instrumentation systems. §63.169(a)-(d)	§ 63.162(f)(3) § 63.169(a) § 63.169(b) [G]§ 63.169(c)	§ 63.181(b)(10) § 63.181(b)(4) § 63.181(d) § 63.181(d)(1) § 63.181(d)(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)
								§ 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(9)	
08FUG#001	EU	63H-3	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.167(a) § 63.167(b) § 63.167(c) § 63.167(d) § 63.167(e)	Standards: Open-ended valves or lines. §63.167(a)-(e).	None	None	None
08FUG#001	EU	63H-3	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.165(c) § 63.165(d)(1) § 63.165(d)(2)	Standards: Pressure relief device in gas/vapor service. §63.165(a)-(d)	None	§ 63.181(b)(2)(i) § 63.181(b)(3)(ii) [G]§ 63.181(f)	None
08FUG#001	EU	63H-3	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.169(a) § 63.169(b) [G]§ 63.169(c) § 63.169(d)	Standards: Pressure relief devices in liquid service. §63.169(a)-(d)	§ 63.162(f)(3) § 63.169(a) § 63.169(b) [G]§ 63.169(c)	§ 63.181(b)(10) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(9)	None
08FUG#001	EU	63H-3	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.163(e) § 63.163(e)(1) § 63.163(e)(1)(i) § 63.163(e)(1)(ii) § 63.163(e)(1)(iii) § 63.163(e)(2) § 63.163(e)(3) [G]§ 63.163(e)(4) § 63.163(e)(5) [G]§ 63.163(e)(6) § 63.163(f) § 63.163(g) § 63.163(i) [G]§ 63.171(d)	Standards: Pumps in light liquid service. §63.163(a)-(j)	§ 63.162(f)(3)	§ 63.181(b)(10) § 63.181(b)(2)(i) § 63.181(b)(6) § 63.181(b)(6)(i) § 63.181(b)(6)(ii) § 63.181(b)(7) § 63.181(b)(7)(i) § 63.181(c) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5)	§ 63.182(d)(2)(iii) § 63.182(d)(2)(iv)

### 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)
								§ 63.181(d)(6) § 63.181(d)(9) § 63.181(h) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7)	
08FUG#001	EU	63H-3	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.166(a) § 63.166(b) § 63.166(b)(1) § 63.166(b)(2) § 63.166(c)	Standards: Sampling connection systems. §63.166(a)-(c)	None	None	None
08FUG#001	EU	63H-3	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.170	Standards: Surge control vessels and bottom receivers.	None	None	None
08FUG#001	EU	63H-3	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.171(c) § 63.171(c)(1) § 63.171(c)(2) § 63.168(a) § 63.168(a)(1) § 63.168(a)(1)(i) § 63.168(a)(1)(i)(C) § 63.168(b) [G]§ 63.168(e) [G]§ 63.168(f) [G]§ 63.168(g) § 63.168(h) § 63.168(h)(1) [G]§ 63.168(i) § 63.171(e) [G]§ 63.175	Standards: Valves in gas/vapor service and in light liquid service. §63.168(a)-(j)	§ 63.162(f)(2) § 63.168(b) § 63.168(b)(1) § 63.162(b)(2) § 63.168(b)(2)(iii) [G]§ 63.168(d) [G]§ 63.168(e) [G]§ 63.168(f) [G]§ 63.168(g) [G]§ 63.168(i) [G]§ 63.175	§ 63.168(h)(2) § 63.168(i)(3) § 63.181(b)(1)(ii) § 63.181(b)(10) § 63.181(b)(7) § 63.181(b)(7)(i) § 63.181(b)(7)(ii) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(9) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7)	§ 63.182(d)(2)(i) § 63.182(d)(2)(ii) § 63.182(d)(2)(xv)



### 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)
08HTR#9301	EU	63DDDDD-1	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7495(b) § 63.7495(h) § 63.7499(l) § 63.7500(a) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7510(e) § 63.7510(j) § 63.7515(d) § 63.7540(a) § 63.7540(a)(10) § 63.7540(a)(13) § 63.7565	If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).	§ 63.7521(f) § 63.7521(f)(1) § 63.7521(f)(2) § 63.7521(g) § 63.7521(g)(1) § 63.7521(g)(2) § 63.7521(g)(2)(i) § 63.7521(g)(2)(ii) § 63.7521(g)(2)(iii) § 63.7521(g)(2)(iv) § 63.7521(g)(2)(v) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(c) § 63.7540(c)(4)	§ 63.7530(g) [G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) [G]§ 63.7560	§ 63.7495(d) § 63.7530(e) [G]§ 63.7540(a)(10)(vi) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(8) § 63.7545(e)(8)(i) § 63.7545(e)(8)(ii) § 63.7550(a) [G]§ 63.7550(b) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(iv) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
08LWF#001	EU	61BB-1	Benzene	40 CFR Part 61, Subpart BB	[G]§ 61.302(a) § 61.302(b) § 61.302(e) § 61.302(e)(3) § 61.302(f) § 61.302(g) § 61.302(j) § 61.302(k) [G]§ 61.304(f)	Equip each loading rack with vapor collection system to collect all displaced benzene vapors and prevent it from passing from one loading rack through another to the atmosphere. § 61.302(a)(1)-(2)	§ 61.302(k) § 61.303(a) § 61.303(a)(1) § 61.304(a) § 61.304(a)(1) § 61.304(a)(2) § 61.304(a)(4) § 61.304(a)(4)(i) § 61.304(a)(4)(ii) § 61.304(a)(4)(iii) § 61.304(a)(4)(iv) § 61.304(a)(5) § 61.304(a)(6) § 61.304(a)(7) § 61.304(d) § 61.304(d)(1) § 61.304(d)(2)	§ 61.304(a)(4)(i) § 61.304(d)(3) § 61.305(a) [G]§ 61.305(a)(1) § 61.305(b) § 61.305(b)(1) § 61.305(g) [G]§ 61.305(h)	§ 61.305(a) § 61.305(a)(5) § 61.305(b) § 61.305(b)(1) § 61.305(f) § 61.305(f)(1)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 61.304(d)(3) § 61.304(e) ** See CAM Summary		
08LWF#001	EU	61BB-2	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)
08LWF#001	EU	63Y-3	112(B) HAPS	40 CFR Part 63, Subpart Y	§ 63.562(b) § 63.560(d)(1) § 63.560(d)(4) § 63.560(d)(5) § 63.560(e)(1)(i) § 63.562(a) [G]§ 63.562(b)(1) § 63.562(b)(2) [G]§ 63.562(b)(6) [G]§ 63.562(e) § 63.563(a) [G]§ 63.563(a)(1) § 63.563(a)(2) § 63.563(a)(3) [G]§ 63.566	Marine tank vessel loading operations shall apply MACT standards, except for the VMT source.	[G]§ 63.562(b)(6) § 63.563(a)(4) § 63.563(a)(4)(i) § 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)(1) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4) § 63.564(b) § 63.564(b)(3) § 63.564(c) § 63.564(e) § 63.564(e)(2) § 63.564(e)(4) § 63.565(a) [G]§ 63.565(b) § 63.565(d) § 63.565(d)(1) § 63.565(d)(10) § 63.565(d)(2) [G]§ 63.565(d)(3) § 63.565(d)(4)	[G]§ 63.562(b)(6) § 63.562(e)(5) § 63.564(b)(3) § 63.564(e)(2) § 63.565(d) § 63.565(d)(1) § 63.565(d)(10) § 63.565(d)(2) [G]§ 63.565(d)(3) § 63.565(d)(4) § 63.565(d)(6) § 63.565(d)(7) § 63.565(d)(8) § 63.565(d)(9) [G]§ 63.565(m) [G]§ 63.567(a) § 63.567(f) § 63.567(g) § 63.567(g)(2) § 63.567(h) [G]§ 63.567(j) [G]§ 63.567(k) § 63.567(m)	[G]§ 63.562(b)(6) [G]§ 63.567(a) § 63.567(b) [G]§ 63.567(b)(2) [G]§ 63.567(b)(4) § 63.567(b)(5)(ii) § 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) [G]§ 63.567(n)

### 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(d)(6) § 63.565(d)(7) § 63.565(d)(8) § 63.565(d)(9) § 63.565(f) § 63.565(f)(1) § 63.565(l)		
08RXT#9301	EP	63G-27	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(1) § 63.113(a)(1)(i) § 63.113(a)(1)(ii) § 63.113(h) § 63.114(e) § 63.116(a) § 63.116(a)(2) § 63.116(a)(3) § 63.116(b) § 63.116(b)(3) § 63.117(f)	Reduce emissions of organic HAP using a flare. § 63.113(a)(1)(i)-(ii)	§ 63.114(a) § 63.114(a)(2) § 63.116(a) § 63.116(a)(1) § 63.117(f)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.117(f) § 63.118(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(f)(5) § 63.118(k) § 63.118(k)(1)
08SEP#9302	EP	63G-28	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(1) § 63.113(a)(1)(i) § 63.113(a)(1)(ii) § 63.113(h) § 63.114(e) § 63.116(a) § 63.116(a)(2) § 63.116(a)(3) § 63.116(b) § 63.116(b)(3) § 63.117(f)	Reduce emissions of organic HAP using a flare. § 63.113(a)(1)(i)-(ii)	§ 63.114(a) § 63.114(a)(2) § 63.116(a) § 63.116(a)(1) § 63.117(f)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.117(f) § 63.118(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(f)(5) § 63.118(k) § 63.118(k)(1)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
08TFX#037	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
08TFX#037	EU	63G-8	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) § 63.120(d) § 63.120(d)(1)(ii) § 63.120(d)(1)(ii)(A)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).	§ 63.120(d)(5) § 63.120(d)(6)	§ 63.123(a) § 63.123(f) § 63.123(f)(1) [G] § 63.123(f)(2)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G] § 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(4) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(b) § 63.122(c) § 63.122(c)(1) § 63.122(g) [G] § 63.122(g)(1) [G] § 63.122(g)(2) § 63.152(c)(4)(iii)
08TFX#038	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 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)
08TFX#038	EU	63G-9	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) § 63.120(d) § 63.120(d)(1)(ii) § 63.120(d)(1)(iii)(A)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).	§ 63.120(d)(5) § 63.120(d)(6)	§ 63.123(a) § 63.123(f) § 63.123(f)(1) [G]§ 63.123(f)(2)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(4) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(b) § 63.122(c) § 63.122(c)(1) § 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.152(c)(4)(iii)
08TFX#9601	EU	R5112-24	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(1) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7) ** See CAM Summary	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
08TFX#9601	EU	63G-10	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) § 63.120(d) § 63.120(d)(1)(ii) § 63.120(d)(1)(iii)(A)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).	§ 63.120(d)(5) § 63.120(d)(6)	§ 63.123(a) § 63.123(f) § 63.123(f)(1) [G]§ 63.123(f)(2)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(4) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(b) § 63.122(c) § 63.122(c)(1)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.152(c)(4)(iii)
08TFX#9602	EU	R5112-25	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(1) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7) ** See CAM Summary	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
08TFX#9602	EU	63G-11	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) § 63.120(d) § 63.120(d)(1)(ii) § 63.120(d)(1)(ii)(A)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).	§ 63.120(d)(5) § 63.120(d)(6)	§ 63.123(a) § 63.123(f) § 63.123(f)(1) [G]§ 63.123(f)(2)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(4) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(b) § 63.122(c) § 63.122(c)(1) § 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.152(c)(4)(iii)
08TFX#9607	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 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)
08TFX#9607	EU	63G-12	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) § 63.120(d) § 63.120(d)(1)(ii) § 63.120(d)(1)(iii)(A)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).	§ 63.120(d)(5) § 63.120(d)(6)	§ 63.123(a) § 63.123(f) § 63.123(f)(1) [G]§ 63.123(f)(2)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(4) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(b) § 63.122(c) § 63.122(c)(1) § 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.152(c)(4)(iii)
08TFX#9608	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
08TFX#9608	EU	63G-13	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) § 63.120(d) § 63.120(d)(1)(ii) § 63.120(d)(1)(iii)(A)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).	§ 63.120(d)(5) § 63.120(d)(6)	§ 63.123(a) § 63.123(f) § 63.123(f)(1) [G]§ 63.123(f)(2)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(4) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(b) § 63.122(c) § 63.122(c)(1)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.152(c)(4)(iii)
08TFX#9609	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
08TFX#9609	EU	63G-14	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) § 63.120(d) § 63.120(d)(1)(ii) § 63.120(d)(1)(ii)(A)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).	§ 63.120(d)(5) § 63.120(d)(6)	§ 63.123(a) § 63.123(f) § 63.123(f)(1) [G]§ 63.123(f)(2)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(4) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(b) § 63.122(c) § 63.122(c)(1) § 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.152(c)(4)(iii)
08TFX#9610	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
08TFX#9610	EU	63G-15	112(B)	40 CFR Part 63,	§ 63.119(e)	The owner or operator	§ 63.120(d)(5)	§ 63.123(a)	§ 63.120(d)(1)(ii)(B)



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			HAPS	Subpart G	§ 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) § 63.120(d) § 63.120(d)(1)(ii) § 63.120(d)(1)(ii)(A)	who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).	§ 63.120(d)(6)	§ 63.123(f) § 63.123(f)(1) [G]§ 63.123(f)(2)	§ 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(4) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(b) § 63.122(c) § 63.122(c)(1) § 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.152(c)(4)(iii)
08TIF#032	EU	R5112-10	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7) ** See CAM Summary	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
08TIF#032	EU	R5112-9	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(1) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7) ** See CAM Summary	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
08TIF#032	EU	63G-17	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) § 63.120(d) § 63.120(d)(1)(ii)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with	§ 63.120(d)(5) § 63.120(d)(6)	§ 63.123(a) § 63.123(f) § 63.123(f)(1) [G]§ 63.123(f)(2)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(4)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.120(d)(1)(ii)(A)	§63.119(e)(1)-(5).			§ 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(b) § 63.122(c) § 63.122(c)(1) § 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.152(c)(4)(iii)
08TIF#032	EU	63G-18	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(5) § 63.120(e) § 63.120(e)(1) § 63.120(e)(4)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with §63.119(a)(1) or (a)(2) shall comply with §63.119(e)(1)-(5).	§ 63.120(e)(5)	§ 63.123(a) § 63.123(f) [G]§ 63.123(f)(2)	§ 63.120(e)(2) § 63.120(e)(2)(i) § 63.120(e)(2)(ii) § 63.120(e)(2)(iii) § 63.120(e)(3) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(c) § 63.122(c)(2) § 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(3) § 63.152(c)(4)(iii)
08TIF#9620	EU	R5112-26	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(1) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7) ** See CAM Summary	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
08TIF#9620	EU	63G-16	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply	§ 63.120(d)(5) § 63.120(d)(6)	§ 63.123(a) § 63.123(f) § 63.123(f)(1) [G]§ 63.123(f)(2)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.120(d) § 63.120(d)(1)(ii) § 63.120(d)(1)(ii)(A)	with§63.119(a)(1) or (a)(2) shall comply with §63.119(e)(1)-(5).			§ 63.120(d)(3)(i) § 63.120(d)(4) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(b) § 63.122(c) § 63.122(c)(1) § 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.152(c)(4)(iii)
08TVD#9203	EP	63G-29	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(1) § 63.113(a)(1)(i) § 63.113(a)(1)(ii) § 63.113(h) § 63.114(e) § 63.116(a) § 63.116(a)(2) § 63.116(a)(3) § 63.116(b) § 63.116(b)(3) § 63.117(f)	Reduce emissions of organic HAP using a flare. §63.113(a)(1)(i)-(ii)	§ 63.114(a) § 63.114(a)(2) § 63.116(a) § 63.116(a)(1) § 63.117(f)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(f)(5) § 63.118(k) § 63.118(k)(1)
08TVD#9404	EU	63F-58	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.107(a) § 63.107(h)(3) § 63.107(h)(5)	A process vent is the point of discharge to the atmosphere (or the point of entry into a control device, if any) of a gas stream if the gas stream has the characteristics specified in paragraphs (b) through (h) of this section, or meets the criteria specified in paragraph (i) of this	None	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						section.			
08TVD#9405	EP	63G-31	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(1) § 63.113(a)(1)(i) § 63.113(a)(1)(ii) § 63.113(h) § 63.114(e) § 63.116(a) § 63.116(a)(2) § 63.116(a)(3) § 63.116(b) § 63.116(b)(3) § 63.117(f)	Reduce emissions of organic HAP using a flare. §63.113(a)(1)(i)-(ii)	§ 63.114(a) § 63.114(a)(2) § 63.116(a) § 63.116(a)(1) § 63.117(f)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(f)(5) § 63.118(k) § 63.118(k)(1)
08TVD#9406	EP	63G-32	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(1) § 63.113(a)(1)(i) § 63.113(a)(1)(ii) § 63.113(h) § 63.114(e) § 63.116(a) § 63.116(a)(2) § 63.116(a)(3) § 63.116(b) § 63.116(b)(3) § 63.117(f)	Reduce emissions of organic HAP using a flare. §63.113(a)(1)(i)-(ii)	§ 63.114(a) § 63.114(a)(2) § 63.116(a) § 63.116(a)(1) § 63.117(f)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(f)(5) § 63.118(k) § 63.118(k)(1)
08TVD#9407	EP	63G-33	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(1) § 63.113(a)(1)(i) § 63.113(a)(1)(ii) § 63.113(h) § 63.114(e) § 63.116(a) § 63.116(a)(2) § 63.116(a)(3)	Reduce emissions of organic HAP using a flare. §63.113(a)(1)(i)-(ii)	§ 63.114(a) § 63.114(a)(2) § 63.116(a) § 63.116(a)(1) § 63.117(f)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.117(f) § 63.118(f)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.116(b) § 63.116(b)(3) § 63.117(f)				§ 63.118(f)(1) § 63.118(f)(2) § 63.118(f)(5) § 63.118(k) § 63.118(k)(1)
08VSL#9300	EP	63G-27	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(1) § 63.113(a)(1)(i) § 63.113(a)(1)(ii) § 63.113(h) § 63.114(e) § 63.116(a) § 63.116(a)(2) § 63.116(a)(3) § 63.116(b) § 63.116(b)(3) § 63.117(f)	Reduce emissions of organic HAP using a flare. § 63.113(a)(1)(i)-(ii)	§ 63.114(a) § 63.114(a)(2) § 63.116(a) § 63.116(a)(1) § 63.117(f)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.117(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(f)(5) § 63.118(k) § 63.118(k)(1)
08VSL#9411	EP	63G-27	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(1) § 63.113(a)(1)(i) § 63.113(a)(1)(ii) § 63.113(h) § 63.114(e) § 63.116(a) § 63.116(a)(2) § 63.116(a)(3) § 63.116(b) § 63.116(b)(3) § 63.117(f)	Reduce emissions of organic HAP using a flare. § 63.113(a)(1)(i)-(ii)	§ 63.114(a) § 63.114(a)(2) § 63.116(a) § 63.116(a)(1) § 63.117(f)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.117(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(f)(5) § 63.118(k) § 63.118(k)(1)
08VSL#9501	EP	63G-35	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(2) § 63.113(a)(2)(i) § 63.113(h) § 63.114(e)	Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20 ppm by volume; whichever is less stringent	§ 63.114(a) § 63.114(a)(1) § 63.114(a)(1)(i) § 63.116(c) § 63.116(c)(1)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(4) § 63.117(a)(4)(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)
					§ 63.117(f)	or as specified. §63.113(a)(2)(i)-(ii)	§ 63.116(c)(1)(i) § 63.116(c)(1)(i)(A) § 63.116(c)(1)(ii) § 63.116(c)(2) § 63.116(c)(4) § 63.116(c)(4)(i) [G]§ 63.116(c)(4)(ii) § 63.116(c)(4)(iii) § 63.117(f)	§ 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(f) § 63.118(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(k) § 63.118(k)(1)
08VSL#9502	EP	63G-35	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(2) § 63.113(a)(2)(i) § 63.113(h) § 63.114(e) § 63.117(f)	Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20 ppm by volume; whichever is less stringent or as specified. §63.113(a)(2)(i)-(ii)	§ 63.114(a) § 63.114(a)(1) § 63.114(a)(1)(i) § 63.116(c) § 63.116(c)(1) § 63.116(c)(1)(i) § 63.116(c)(1)(i)(A) § 63.116(c)(1)(ii) § 63.116(c)(2) § 63.116(c)(4) § 63.116(c)(4)(i) [G]§ 63.116(c)(4)(ii) § 63.116(c)(4)(iii) § 63.117(f)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(f) § 63.118(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(k) § 63.118(k)(1)
08VSL#9503	EP	63G-35	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(2) § 63.113(a)(2)(i) § 63.113(h) § 63.114(e) § 63.117(f)	Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20 ppm by volume; whichever is less stringent or as specified. §63.113(a)(2)(i)-(ii)	§ 63.114(a) § 63.114(a)(1) § 63.114(a)(1)(i) § 63.116(c) § 63.116(c)(1) § 63.116(c)(1)(i) § 63.116(c)(1)(i)(A) § 63.116(c)(1)(ii) § 63.116(c)(2) § 63.116(c)(4) § 63.116(c)(4)(i) [G]§ 63.116(c)(4)(ii) § 63.116(c)(4)(iii) § 63.117(f)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(f) § 63.118(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(k) § 63.118(k)(1)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
08VSL#9504	EP	63G-35	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(2) § 63.113(a)(2)(i) § 63.113(h) § 63.114(e) § 63.117(f)	Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20 ppm by volume; whichever is less stringent or as specified. §63.113(a)(2)(i)-(ii)	§ 63.114(a) § 63.114(a)(1) § 63.114(a)(1)(i) § 63.116(c) § 63.116(c)(1) § 63.116(c)(1)(i) § 63.116(c)(1)(i)(A) § 63.116(c)(1)(ii) § 63.116(c)(2) § 63.116(c)(4) § 63.116(c)(4)(i) [G]§ 63.116(c)(4)(ii) § 63.116(c)(4)(iii) § 63.117(f)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(f) § 63.118(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(k) § 63.118(k)(1)
08VSL#9505	EP	63G-35	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(2) § 63.113(a)(2)(i) § 63.113(h) § 63.114(e) § 63.117(f)	Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20 ppm by volume; whichever is less stringent or as specified. §63.113(a)(2)(i)-(ii)	§ 63.114(a) § 63.114(a)(1) § 63.114(a)(1)(i) § 63.116(c) § 63.116(c)(1) § 63.116(c)(1)(i) § 63.116(c)(1)(i)(A) § 63.116(c)(1)(ii) § 63.116(c)(2) § 63.116(c)(4) § 63.116(c)(4)(i) [G]§ 63.116(c)(4)(ii) § 63.116(c)(4)(iii) § 63.117(f)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(f) § 63.118(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(k) § 63.118(k)(1)
08VSL#9512	EP	63G-35	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(2) § 63.113(a)(2)(i) § 63.113(h) § 63.114(e) § 63.117(f)	Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20 ppm by volume; whichever is less stringent or as specified. §63.113(a)(2)(i)-(ii)	§ 63.114(a) § 63.114(a)(1) § 63.114(a)(1)(i) § 63.116(c) § 63.116(c)(1) § 63.116(c)(1)(i) § 63.116(c)(1)(i)(A) § 63.116(c)(1)(ii) § 63.116(c)(2) § 63.116(c)(4) § 63.116(c)(4)(i) § 63.116(c)(4)(i)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(f) § 63.118(f) § 63.118(f)(1) § 63.118(f)(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)
							[G]§ 63.116(c)(4)(ii) § 63.116(c)(4)(iii) § 63.117(f)	§ 63.118(a)(2)	§ 63.118(k) § 63.118(k)(1)
08VSL#9513	EP	63G-35	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(2) § 63.113(a)(2)(i) § 63.113(h) § 63.114(e) § 63.117(f)	Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20 ppm by volume; whichever is less stringent or as specified. §63.113(a)(2)(i)-(ii)	§ 63.114(a) § 63.114(a)(1) § 63.114(a)(1)(i) § 63.116(c) § 63.116(c)(1) § 63.116(c)(1)(i) § 63.116(c)(1)(i)(A) § 63.116(c)(1)(ii) § 63.116(c)(2) § 63.116(c)(4) § 63.116(c)(4)(i) [G]§ 63.116(c)(4)(ii) § 63.116(c)(4)(iii) § 63.117(f)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(f) § 63.118(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(k) § 63.118(k)(1)
08VSL#9520	EP	63G-27	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(1) § 63.113(a)(1)(i) § 63.113(a)(1)(ii) § 63.113(h) § 63.114(e) § 63.116(a) § 63.116(a)(2) § 63.116(a)(3) § 63.116(b) § 63.116(b)(3) § 63.117(f)	Reduce emissions of organic HAP using a flare. §63.113(a)(1)(i)-(ii)	§ 63.114(a) § 63.114(a)(2) § 63.116(a) § 63.116(a)(1) § 63.117(f)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.117(f) § 63.118(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(f)(5) § 63.118(k) § 63.118(k)(1)
08VSL#L501	EP	63G-35	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(2) § 63.113(a)(2)(i) § 63.113(h) § 63.114(e) § 63.117(f)	Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20 ppm by volume; whichever is less stringent or as specified. §63.113(a)(2)(i)-(ii)	§ 63.114(a) § 63.114(a)(1) § 63.114(a)(1)(i) § 63.116(c) § 63.116(c)(1) § 63.116(c)(1)(i) § 63.116(c)(1)(i)(A)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(a)(5)(i)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5)



### 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)
							§ 63.116(c)(1)(ii) § 63.116(c)(2) § 63.116(c)(4) § 63.116(c)(4)(i) [G]§ 63.116(c)(4)(ii) § 63.116(c)(4)(iii) § 63.117(f)	§ 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.117(f) § 63.118(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(k) § 63.118(k)(1)
08VSL#L502	EP	63G-35	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(2) § 63.113(a)(2)(i) § 63.113(h) § 63.114(e) § 63.117(f)	Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20 ppm by volume; whichever is less stringent or as specified. §63.113(a)(2)(i)-(ii)	§ 63.114(a) § 63.114(a)(1) § 63.114(a)(1)(i) § 63.116(c) § 63.116(c)(1) § 63.116(c)(1)(i) § 63.116(c)(1)(i)(A) § 63.116(c)(1)(ii) § 63.116(c)(2) § 63.116(c)(4) § 63.116(c)(4)(i) [G]§ 63.116(c)(4)(ii) § 63.116(c)(4)(iii) § 63.117(f)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(f) § 63.118(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(k) § 63.118(k)(1)
08VSL#L503	EP	63G-35	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(2) § 63.113(a)(2)(i) § 63.113(h) § 63.114(e) § 63.117(f)	Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20 ppm by volume; whichever is less stringent or as specified. §63.113(a)(2)(i)-(ii)	§ 63.114(a) § 63.114(a)(1) § 63.114(a)(1)(i) § 63.116(c) § 63.116(c)(1) § 63.116(c)(1)(i) § 63.116(c)(1)(i)(A) § 63.116(c)(1)(ii) § 63.116(c)(2) § 63.116(c)(4) § 63.116(c)(4)(i) [G]§ 63.116(c)(4)(ii) § 63.116(c)(4)(iii) § 63.117(f)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(f) § 63.118(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(k) § 63.118(k)(1)
08VSL#L504	EP	63G-35	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(2) § 63.113(a)(2)(i)	Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20	§ 63.114(a) § 63.114(a)(1) § 63.114(a)(1)(i)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(4)	§ 63.114(e) § 63.117(a) § 63.117(a)(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)
					§ 63.113(h) § 63.114(e) § 63.117(f)	ppm by volume; whichever is less stringent or as specified. §63.113(a)(2)(i)-(ii)	§ 63.116(c) § 63.116(c)(1) § 63.116(c)(1)(i) § 63.116(c)(1)(i)(A) § 63.116(c)(1)(ii) § 63.116(c)(2) § 63.116(c)(4) § 63.116(c)(4)(i) [G]§ 63.116(c)(4)(ii) § 63.116(c)(4)(iii) § 63.117(f)	§ 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(f) § 63.118(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(k) § 63.118(k)(1)
08VSL#L505	EP	63G-35	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(2) § 63.113(a)(2)(i) § 63.113(h) § 63.114(e) § 63.117(f)	Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20 ppm by volume; whichever is less stringent or as specified. §63.113(a)(2)(i)-(ii)	§ 63.114(a) § 63.114(a)(1) § 63.114(a)(1)(i) § 63.116(c) § 63.116(c)(1) § 63.116(c)(1)(i) § 63.116(c)(1)(i)(A) § 63.116(c)(1)(ii) § 63.116(c)(2) § 63.116(c)(4) § 63.116(c)(4)(i) [G]§ 63.116(c)(4)(ii) § 63.116(c)(4)(iii) § 63.117(f)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii) § 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(f) § 63.118(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(k) § 63.118(k)(1)
09CAS#031	EU	63YY-16	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)-Table 7.g § 61.346(a)(1)(ii) § 61.349(a) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(c) § 61.349(c)(1) § 61.349(g) [G]§ 61.350 § 61.354(d) § 63.1091	For processes that generate waste as defined in §63.1103(e)(2), the permit holder shall comply with the waste requirements of 40 CFR Part 63, Subpart XX.	§ 61.349(a) § 61.349(f) § 61.349(h) § 61.354(d)	§ 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(G) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.356(j)(3)	§ 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(I) § 61.357(d)(8)

### 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)
09CTL#003	EU	63YY-17	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(F) § 63.1103(e)(3)-Table 7.h § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090
09CVS#031	CD	61FF-7	Benzene	40 CFR Part 61, Subpart FF	§ 61.349(a)(2) § 61.349(a)(2)(i) § 61.349(a)(2)(i)(A) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(c) § 61.349(c)(1) § 61.349(g)	For each closed-vent system and control device used to comply with §§61.343-61.348, properly design, install, operate, and maintain the closed-vent system and control device.	§ 61.349(c)(2) § 61.349(d) § 61.349(e) § 61.349(f) § 61.349(h)	None	None
09CVS#031	CD	63YY-18	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.1100(b) § 63.1103(e)(3)-Table 7.g § 63.1091 § 63.1092(a) § 63.1092(b) § 63.1092(c)	For processes that generate waste as defined in §63.1103(e)(2), the permit holder shall comply with the waste requirements of 40 CFR Part 63, Subpart XX.	None	None	None
09FRN#210A	EU	R7ICI-4	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.110(a) § 117.110(a)(2) § 117.110(b)(2) § 117.110(d)(1) § 117.110(d)(1)(A) § 117.115(a) § 117.115(b) § 117.115(b)(2)	Compliance with the NO <sub>x</sub> emission specifications of § 117.110 may be achieved by equivalent NO <sub>x</sub> emission reductions with a plant-wide emission specification. The plant-wide emission	§ 117.135(a)(1) § 117.135(a)(3)(A) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(a)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) [G]§ 117.8010(2) [G]§ 117.8010(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)
					§ 117.115(g) § 117.115(g)(1) § 117.115(i) § 117.130(b) § 117.130(d)	specification shall reduce emissions of NO <sub>x</sub> from affected units so that if all such units were operated at their maximum rated capacity, the plant-wide emission rate of NO <sub>x</sub> from these units would not exceed the plant-wide emission specification as defined in § 117.10 of this title.	§ 117.140(a)(1) § 117.140(a)(1)(A) § 117.140(a)(1)(A)(ii) § 117.140(b)(1) § 117.140(b)(1)(B) § 117.140(b)(3) § 117.140(e) § 117.140(k) § 117.8000(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6)		§ 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
09FRN#210A	EU	R7ICI-4	CO	30 TAC Chapter 117, Subchapter B	§ 117.110(c)(1) § 117.110(c) § 117.110(c)(1)(B) § 117.110(c)(3)	No person shall allow the discharge into the atmosphere from any process heater subject to NO <sub>x</sub> emission specifications in § 117.110(a) CO in excess of 400 ppmv at 3.0% oxygen, dry basis, except as provided in § 117.125 or § 117.110(c)(3).	§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(k) § 117.8000(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)	§ 117.145(a) § 117.145(f) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(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)

### 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)
							§ 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6) § 117.8120 § 117.8120(2) § 117.8120(2)(A) § 117.8120(2)(A)(i)		
09FRN#210A	EU	63YY-42	112(B) HAPS	40 CFR Part 63, Subpart YY	[G]§ 63.1111(a)	The owner or operator of an affected source shall develop a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the affected source during periods of startup, shutdown, and malfunction.	§ 63.1111(a)(2)	[G]§ 63.1111(b)	[G]§ 63.1111(b)
09FRN#210B	EU	R7ICI-4	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.110(a) § 117.110(a)(2) § 117.110(b)(2) § 117.110(d)(1) § 117.110(d)(1)(A) § 117.115(a) § 117.115(b) § 117.115(b)(2) § 117.115(g) § 117.115(g)(1) § 117.115(i) § 117.130(b) § 117.130(d)	Compliance with the NO <sub>x</sub> emission specifications of § 117.110 may be achieved by equivalent NO <sub>x</sub> emission reductions with a plant-wide emission specification. The plant-wide emission specification shall reduce emissions of NO <sub>x</sub> from affected units so that if all such units were operated at their maximum rated capacity, the plant-wide	§ 117.135(a)(1) § 117.135(a)(3)(A) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(a) § 117.140(a)(1) § 117.140(a)(1)(A) § 117.140(a)(1)(A)(ii) § 117.140(b)(1) § 117.140(b)(1)(B) § 117.140(b)(3)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) [G]§ 117.8010(2) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)

### 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)
						emission rate of NO <sub>x</sub> from these units would not exceed the plant-wide emission specification as defined in § 117.10 of this title.	§ 117.140(e) § 117.140(k) § 117.8000(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6)		
09FRN#210B	EU	R7ICI-4	CO	30 TAC Chapter 117, Subchapter B	§ 117.110(c)(1) § 117.110(c) § 117.110(c)(1)(B) § 117.110(c)(3)	No person shall allow the discharge into the atmosphere from any process heater subject to NO <sub>x</sub> emission specifications in § 117.110(a) CO in excess of 400 ppmv at 3.0% oxygen, dry basis, except as provided in § 117.125 or § 117.110(c)(3).	§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(k) § 117.8000(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) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii)	§ 117.145(a) § 117.145(f) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(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)

### 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)
							§ 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6) § 117.8120 § 117.8120(2) § 117.8120(2)(A) § 117.8120(2)(A)(i)		
09FRN#210B	EU	63YY-42	112(B) HAPS	40 CFR Part 63, Subpart YY	[G]§ 63.1111(a)	The owner or operator of an affected source shall develop a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the affected source during periods of startup, shutdown, and malfunction.	§ 63.1111(a)(2)	[G]§ 63.1111(b)	[G]§ 63.1111(b)
09FRN#210C	EU	R7ICI-4	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.110(a) § 117.110(a)(2) § 117.110(b)(2) § 117.110(d)(1) § 117.110(d)(1)(A) § 117.115(a) § 117.115(b) § 117.115(b)(2) § 117.115(g) § 117.115(g)(1) § 117.115(i) § 117.130(b) § 117.130(d)	Compliance with the NO <sub>x</sub> emission specifications of § 117.110 may be achieved by equivalent NO <sub>x</sub> emission reductions with a plant-wide emission specification. The plant-wide emission specification shall reduce emissions of NO <sub>x</sub> from affected units so that if all such units were operated at their maximum rated capacity, the plant-wide emission rate of NO <sub>x</sub> from these units would not exceed the plant-wide emission specification as defined in § 117.10 of this title.	§ 117.135(a)(1) § 117.135(a)(3)(A) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(a) § 117.140(a)(1) § 117.140(a)(1)(A) § 117.140(a)(1)(A)(ii) § 117.140(b)(1) § 117.140(b)(1)(B) § 117.140(b)(3) § 117.140(e) § 117.140(k) § 117.8000(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) [G]§ 117.8010(2) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)

### 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)
							§ 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6)		
09FRN#210C	EU	R7ICI-4	CO	30 TAC Chapter 117, Subchapter B	§ 117.110(c)(1) § 117.110(c) § 117.110(c)(1)(B) § 117.110(c)(3)	No person shall allow the discharge into the atmosphere from any process heater subject to NO <sub>x</sub> emission specifications in § 117.110(a) CO in excess of 400 ppmv at 3.0% oxygen, dry basis, except as provided in § 117.125 or § 117.110(c)(3).	§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(k) § 117.8000(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) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6) § 117.8120 § 117.8120(2) § 117.8120(2)(A)	§ 117.145(a) § 117.145(f) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(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)



### 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)
							§ 117.8120(2)(A)(i)		
09FRN#210C	EU	63YY-42	112(B) HAPS	40 CFR Part 63, Subpart YY	[G]§ 63.1111(a)	The owner or operator of an affected source shall develop a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the affected source during periods of startup, shutdown, and malfunction.	§ 63.1111(a)(2)	[G]§ 63.1111(b)	[G]§ 63.1111(b)
09FRN#210D	EU	R7ICI-4	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.110(a) § 117.110(a)(2) § 117.110(b)(2) § 117.110(d)(1) § 117.110(d)(1)(A) § 117.115(a) § 117.115(b) § 117.115(b)(2) § 117.115(g) § 117.115(g)(1) § 117.115(i) § 117.130(b) § 117.130(d)	Compliance with the NO <sub>x</sub> emission specifications of § 117.110 may be achieved by equivalent NO <sub>x</sub> emission reductions with a plant-wide emission specification. The plant-wide emission specification shall reduce emissions of NO <sub>x</sub> from affected units so that if all such units were operated at their maximum rated capacity, the plant-wide emission rate of NO <sub>x</sub> from these units would not exceed the plant-wide emission specification as defined in § 117.10 of this title.	§ 117.135(a)(1) § 117.135(a)(3)(A) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(a) § 117.140(a)(1) § 117.140(a)(1)(A) § 117.140(a)(1)(A)(iii) § 117.140(b)(1) § 117.140(b)(1)(B) § 117.140(b)(3) § 117.140(e) § 117.140(k) § 117.8000(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8100(a) § 117.8100(a)(1)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) [G]§ 117.8010(2) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)

### 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)
							§ 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6)		
09FRN#210D	EU	R7ICI-4	CO	30 TAC Chapter 117, Subchapter B	§ 117.110(c)(1) § 117.110(c) § 117.110(c)(1)(B) § 117.110(c)(3)	No person shall allow the discharge into the atmosphere from any process heater subject to NO <sub>x</sub> emission specifications in § 117.110(a) CO in excess of 400 ppmv at 3.0% oxygen, dry basis, except as provided in § 117.125 or § 117.110(c)(3).	§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(k) § 117.8000(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) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6) § 117.8120 § 117.8120(2) § 117.8120(2)(A) § 117.8120(2)(A)(i)	§ 117.145(a) § 117.145(f) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(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)
09FRN#210D	EU	63YY-42	112(B) HAPS	40 CFR Part 63, Subpart YY	[G]§ 63.1111(a)	The owner or operator of an affected source shall develop a written startup, shutdown, and	§ 63.1111(a)(2)	[G]§ 63.1111(b)	[G]§ 63.1111(b)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						malfunction plan that describes, in detail, procedures for operating and maintaining the affected source during periods of startup, shutdown, and malfunction.			
09FRN#210E	EU	R7ICI-4	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.110(a) § 117.110(a)(2) § 117.110(b)(2) § 117.110(d)(1) § 117.110(d)(1)(A) § 117.115(a) § 117.115(b) § 117.115(b)(2) § 117.115(g) § 117.115(g)(1) § 117.115(i) § 117.130(b) § 117.130(d)	Compliance with the NO <sub>x</sub> emission specifications of § 117.110 may be achieved by equivalent NO <sub>x</sub> emission reductions with a plant-wide emission specification. The plant-wide emission specification shall reduce emissions of NO <sub>x</sub> from affected units so that if all such units were operated at their maximum rated capacity, the plant-wide emission rate of NO <sub>x</sub> from these units would not exceed the plant-wide emission specification as defined in § 117.10 of this title.	§ 117.135(a)(1) § 117.135(a)(3)(A) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(a) § 117.140(a)(1) § 117.140(a)(1)(A) § 117.140(a)(1)(A)(ii) § 117.140(b)(1) § 117.140(b)(1)(B) § 117.140(b)(3) § 117.140(e) § 117.140(k) § 117.8000(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) [G]§ 117.8010(2) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)

### 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)
							§ 117.8100(a)(6)		
09FRN#210E	EU	R7ICI-4	CO	30 TAC Chapter 117, Subchapter B	§ 117.110(c)(1) § 117.110(c) § 117.110(c)(1)(B) § 117.110(c)(3)	No person shall allow the discharge into the atmosphere from any process heater subject to NO <sub>x</sub> emission specifications in § 117.110(a) CO in excess of 400 ppmv at 3.0% oxygen, dry basis, except as provided in § 117.125 or § 117.110(c)(3).	§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(k) § 117.8000(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) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6) § 117.8120 § 117.8120(2) § 117.8120(2)(A) § 117.8120(2)(A)(i)	§ 117.145(a) § 117.145(f) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(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)
09FRN#210E	EU	63YY-42	112(B) HAPS	40 CFR Part 63, Subpart YY	[G]§ 63.1111(a)	The owner or operator of an affected source shall develop a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the affected source during periods of startup,	§ 63.1111(a)(2)	[G]§ 63.1111(b)	[G]§ 63.1111(b)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						shutdown, and malfunction.			
09FRN#210F	EU	R7ICI-4	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.110(a) § 117.110(a)(2) § 117.110(b)(2) § 117.110(d)(1) § 117.110(d)(1)(A) § 117.115(a) § 117.115(b) § 117.115(b)(2) § 117.115(g) § 117.115(g)(1) § 117.115(i) § 117.130(b) § 117.130(d)	Compliance with the NO <sub>x</sub> emission specifications of § 117.110 may be achieved by equivalent NO <sub>x</sub> emission reductions with a plant-wide emission specification. The plant-wide emission specification shall reduce emissions of NO <sub>x</sub> from affected units so that if all such units were operated at their maximum rated capacity, the plant-wide emission rate of NO <sub>x</sub> from these units would not exceed the plant-wide emission specification as defined in § 117.10 of this title.	§ 117.135(a)(1) § 117.135(a)(3)(A) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(a) § 117.140(a)(1) § 117.140(a)(1)(A) § 117.140(a)(1)(A)(ii) § 117.140(b)(1) § 117.140(b)(1)(B) § 117.140(b)(3) § 117.140(e) § 117.140(k) § 117.8000(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) [G]§ 117.8010(2) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
09FRN#210F	EU	R7ICI-4	CO	30 TAC Chapter 117, Subchapter B	§ 117.110(c)(1) § 117.110(c) § 117.110(c)(1)(B) § 117.110(c)(3)	No person shall allow the discharge into the atmosphere from any process heater subject to	§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d)	§ 117.145(a) § 117.145(f) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(c)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						NO <sub>x</sub> emission specifications in § 117.110(a) CO in excess of 400 ppmv at 3.0% oxygen, dry basis, except as provided in § 117.125 or § 117.110(c)(3).	§ 117.135(e) § 117.135(g) § 117.140(k) § 117.8000(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) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6) § 117.8120 § 117.8120(2) § 117.8120(2)(A) § 117.8120(2)(A)(i)		§ 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)
09FRN#210F	EU	63YY-42	112(B) HAPS	40 CFR Part 63, Subpart YY	[G]§ 63.1111(a)	The owner or operator of an affected source shall develop a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the affected source during periods of startup, shutdown, and malfunction.	§ 63.1111(a)(2)	[G]§ 63.1111(b)	[G]§ 63.1111(b)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
09FUG#001	EU	R5352-4	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2)(A) § 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	[G]§ 115.356	None
09FUG#001	EU	R5352-4	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(12) § 115.357(6) § 115.357(8)	No connectors, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1)(B) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	[G]§ 115.356	None
09FUG#001	EU	R5352-4	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(1) § 115.357(11) § 115.357(12) § 115.357(13) § 115.357(6)	No connectors, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1)(B) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	[G]§ 115.356	None
09FUG#001	EU	R5352-4	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A)	No accessible valves, rated less than or equal to 10,000 psig and contacting a process fluid	§ 115.354(2) § 115.354(2)(C) § 115.354(5) § 115.354(6)	[G]§ 115.356	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12) § 115.357(13) § 115.357(2) § 115.357(6) § 115.357(9)	with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(9) [G]§ 115.355 § 115.357(1)		
09FUG#001	EU	R5352-4	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12) § 115.357(13) § 115.357(2) § 115.357(6) [G]§ 115.357(9)	No difficult-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(B) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) [G]§ 115.356	None
09FUG#001	EU	R5352-4	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1)	No unsafe-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(C) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	[G]§ 115.356	None



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(12) § 115.357(13) § 115.357(2) § 115.357(6) [G]§ 115.357(9)				
09FUG#001	EU	R5352-4	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	[G]§ 115.356(3)(C)	None
09FUG#001	EU	R5352-4	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) § 115.357(9)	No accessible valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(2) § 115.354(2)(C) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	[G]§ 115.356	[G]§ 115.354(7)
09FUG#001	EU	R5352-4	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5)	No difficult-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15	§ 115.354(1) § 115.354(1)(B) § 115.354(10) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) [G]§ 115.356	[G]§ 115.354(7)

### 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)
					§ 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) § 115.357(9)	days after discovery, exceeding the specified VOC concentration.			
09FUG#001	EU	R5352-4	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) [G]§ 115.357(9)	No unsafe-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(C) § 115.354(10) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	[G]§ 115.356	[G]§ 115.354(7)
09FUG#001	EU	R5352-4	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	[G]§ 115.356	None
09FUG#001	EU	R5352-4	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days	§ 115.354(10) § 115.354(2) § 115.354(2)(D) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7)	§ 115.352(7) [G]§ 115.356	[G]§ 115.354(7)

### 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)
					§ 115.352(6) § 115.352(7) § 115.352(9) § 115.357(2) § 115.357(6) § 115.357(8) [G]§ 115.357(9)	after discovery, exceeding the specified VOC concentration.	§ 115.354(9) [G]§ 115.355		
09FUG#001	EU	R5352-4	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(13) § 115.357(2) § 115.357(6) § 115.357(9)	No pressure relief valves (liquid service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) [G]§ 115.356	None
09FUG#001	EU	R5352-4	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	[G]§ 115.356(3)(C)	None
09FUG#001	EU	63YY-20	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a)	Standards: Compressors.	§ 63.1107(a) § 63.1031(c)	[G]§ 63.1024(f) § 63.1038(a) § 63.1038(b)(1) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(6)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(v) § 63.1039(b)(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)
					§ 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1024(c)(2) § 63.1024(d) § 63.1024(d)(1) § 63.1024(d)(2) § 63.1031(a) [G]§ 63.1031(b) § 63.1031(d)(1) § 63.1031(d)(2)			§ 63.1038(c)(6)(i)	
09FUG#001	EU	63YY-20	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(b) § 63.1022(b)(1) § 63.1022(c)(1) § 63.1022(d)(1) § 63.1023(e)(1) § 63.1024(a) § 63.1024(c)(1) § 63.1024(d) § 63.1024(d)(1) § 63.1024(d)(2) § 63.1024(d)(3) § 63.1024(d)(3)(i) § 63.1024(d)(3)(ii) § 63.1024(e) § 63.1027(c) § 63.1027(d)	Standards: Connectors in Gas/Vapor or Light Liquid Service	§ 63.1107(a) § 63.1023(a)(1)(iii) [G]§ 63.1023(b) [G]§ 63.1023(c) § 63.1027(a) § 63.1027(b) § 63.1027(b)(1) § 63.1027(b)(2) [G]§ 63.1027(b)(3) § 63.1027(e)(1) § 63.1027(e)(2)(ii) [G]§ 63.1029(b)	§ 63.1022(c)(3) [G]§ 63.1022(c)(4) § 63.1022(d)(2) § 63.1023(e)(2) [G]§ 63.1024(f) § 63.1027(b)(3)(v) § 63.1038(a) § 63.1038(b)(1) § 63.1038(b)(2) § 63.1038(b)(3) § 63.1038(b)(4) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(3)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(iii)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 63.1027(e)(2)				
09FUG#001	EU	63YY-20	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(b)(1) § 63.1022(b)(4) § 63.1024(c)(2) § 63.1029(a) § 63.1029(c)	Standards: Instrumentation Systems.	§ 63.1107(a) [G]§ 63.1029(b)	[G]§ 63.1024(f) § 63.1038(a)	None
09FUG#001	EU	63YY-20	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1024(c)(2) § 63.1033(a) [G]§ 63.1033(b) § 63.1033(c)	Standards: Open ended valves or lines.	§ 63.1107(a)	§ 63.1024(f) § 63.1038(a)	None
09FUG#001	EU	63YY-20	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2)	Standards: Pressure relief device in gas/vapor service.	§ 63.1107(a)	[G]§ 63.1024(f) § 63.1038(a)	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)
					§ 63.1022(a) § 63.1030(a) § 63.1030(d)				
09FUG#001	EU	63YY-20	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(f) § 63.1022(f)(2) § 63.1022(f)(3) § 63.1024(c)(2) § 63.1024(d)(4) § 63.1024(d)(4)(i) § 63.1024(d)(4)(i)(A) § 63.1024(d)(4)(i)(B) § 63.1024(d)(4)(i)(C) § 63.1024(d)(4)(ii) § 63.1029(a) § 63.1029(c)	Standards: Pumps in heavy liquid service.	§ 63.1107(a) [G]§ 63.1029(b)	§ 63.1022(f)(1) [G]§ 63.1024(f) § 63.1038(a) § 63.1038(b)(5) § 63.1038(b)(6) § 63.1038(b)(7)	None
09FUG#001	EU	63YY-20	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1024(c)(2) § 63.1024(d)(4)	Standards: Pumps in light liquid service.	§ 63.1107(a) § 63.1023(a)(1)(ii) § 63.1023(a)(2)(i) [G]§ 63.1023(b) [G]§ 63.1023(c) § 63.1023(d) § 63.1026(b) § 63.1026(b)(1) § 63.1026(b)(2) § 63.1026(b)(2)(iii) § 63.1026(b)(4) § 63.1026(b)(4)(i) § 63.1026(e)(1)(iv)	§ 63.1022(c)(3) § 63.1022(c)(4)(i) [G]§ 63.1023(e) [G]§ 63.1024(f) § 63.1026(e)(1)(i) § 63.1038(a) § 63.1038(b)(2) § 63.1038(b)(3) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(2) § 63.1038(c)(2)(i) § 63.1038(c)(2)(ii)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(ii) § 63.1039(b)(6)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.1024(d)(4)(i) § 63.1024(d)(4)(i)(A) § 63.1024(d)(4)(i)(B) § 63.1024(d)(4)(i)(C) § 63.1024(d)(4)(ii) § 63.1026(a) § 63.1026(b)(3) § 63.1026(b)(4)(ii) [G]§ 63.1026(c) § 63.1026(d) § 63.1026(e)(1) § 63.1026(e)(1)(i) § 63.1026(e)(1)(ii) § 63.1026(e)(1)(ii)(A) § 63.1026(e)(1)(ii)(B) § 63.1026(e)(1)(ii)(C) § 63.1026(e)(1)(iii) § 63.1026(e)(1)(v)(B) § 63.1026(e)(1)(vi) § 63.1026(e)(1)(viii) § 63.1026(e)(2) § 63.1026(e)(3) § 63.1026(e)(5) [G]§ 63.1035		§ 63.1026(e)(1)(v) § 63.1026(e)(1)(v)(A) § 63.1026(e)(1)(vii)	§ 63.1038(c)(2)(iii) [G]§ 63.1038(c)(7)	
09FUG#001	EU	63YY-20	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) [G]§ 63.1032	Standards: Sampling Connection Systems.	§ 63.1107(a)	[G]§ 63.1024(f) § 63.1038(a)	None
09FUG#001	EU	63YY-20	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii)	Standards: Valves in gas/vapor service and in light liquid service.	§ 63.1107(a) § 63.1023(a)(1)(i) [G]§ 63.1023(b)	§ 63.1022(c)(3) § 63.1022(c)(4)(i) § 63.1022(c)(4)(ii)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(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)
					§ 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(c)(1) § 63.1022(c)(2) § 63.1022(c)(2)(i)(A) § 63.1022(c)(2)(i)(B) § 63.1023(a) § 63.1023(a)(1) § 63.1024(c)(1) § 63.1024(d)(3) § 63.1024(d)(3)(i) § 63.1024(d)(3)(ii) § 63.1024(d)(5) § 63.1025(a)(1) § 63.1025(b)(2) [G]§ 63.1025(c) § 63.1025(d)(1)		[G]§ 63.1023(c) § 63.1025(b) § 63.1025(b)(1) [G]§ 63.1025(b)(3) § 63.1025(d)(2) § 63.1025(d)(2)(i) § 63.1025(d)(2)(ii) § 63.1025(d)(2)(iii) § 63.1025(d)(2)(iii)(A) § 63.1025(d)(2)(iii)(B) § 63.1025(e)(1) § 63.1025(e)(2)	[G]§ 63.1023(e) [G]§ 63.1024(f) § 63.1025(b)(3)(vi) § 63.1038(a) § 63.1038(b)(2) § 63.1038(b)(3) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(1) § 63.1038(c)(1)(i)	§ 63.1039(b)(2) § 63.1039(b)(5)
09FUG#001	EU	63YY-20	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(f) § 63.1022(f)(2) § 63.1022(f)(3) § 63.1024(a) § 63.1024(c)(2) § 63.1024(d)(1)	Standards: Valves in heavy liquid service.	§ 63.1107(a) [G]§ 63.1023(b) [G]§ 63.1023(c) [G]§ 63.1029(b)	§ 63.1022(f)(1) [G]§ 63.1024(f) § 63.1038(a) § 63.1038(b)(5) § 63.1038(b)(6) § 63.1038(b)(7)	§ 63.1039(b)(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)
					§ 63.1024(d)(2) [G]§ 63.1024(d)(3) § 63.1024(d)(5) § 63.1029(a) § 63.1029(c)				
09TFX#2110	EU	R5112-27	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7) ** See CAM Summary	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
10BLR#690A	EU	R7ICI-24	CO	30 TAC Chapter 117, Subchapter B	§ 117.110(c)(1) § 117.110(c) § 117.110(c)(1)(A) § 117.110(c)(3)	No person shall allow the discharge into the atmosphere from any boiler subject to NO <sub>x</sub> emission specifications in § 117.110(a) CO in excess of 400 ppmv at 3.0% oxygen, dry basis, except as provided in § 117.125 or § 117.110(c)(3).	§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(3) § 117.140(d) § 117.140(e) § 117.140(k) § 117.8000(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) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6)	§ 117.145(a) § 117.145(f) [G]§ 117.145(f)(2) § 117.145(f)(7) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) [G]§ 117.145(b) [G]§ 117.145(c) § 117.145(d) § 117.145(d)(1) § 117.145(d)(2) § 117.145(d)(3) § 117.145(d)(4) § 117.145(d)(5) § 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)

### 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)
							§ 117.8120 § 117.8120(1) § 117.8120(1)(A) § 117.8120(2) § 117.8120(2)(A) § 117.8120(2)(A)(ii) § 117.8120(2)(B)		
10BLR#690A	EU	R7ICI-24	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.110(a) § 117.110(a)(1) § 117.110(b)(1) § 117.110(b)(1)(B) § 117.110(d)(1) § 117.110(d)(1)(A) § 117.115(a) § 117.115(b) § 117.115(b)(1) § 117.115(f) § 117.115(f)(1) § 117.115(g) § 117.115(g)(1) § 117.115(i) § 117.130(b) § 117.130(d) § 117.130(d)(1)	Compliance with the NO <sub>x</sub> emission specifications of § 117.110 may be achieved by equivalent NO <sub>x</sub> emission reductions with a plant-wide emission specification. The plant-wide emission specification shall reduce emissions of NO <sub>x</sub> from affected units so that if all such units were operated at their maximum rated capacity, the plant-wide emission rate of NO <sub>x</sub> from these units would not exceed the plant-wide emission specification as defined in § 117.10 of this title.	§ 117.135(a)(1) § 117.135(a)(3)(A) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(2) § 117.135(g) § 117.140(a) § 117.140(a)(1) § 117.140(a)(1)(A) § 117.140(a)(1)(A)(i) § 117.140(b)(1) § 117.140(b)(1)(A) § 117.140(b)(3) § 117.140(c)(1) § 117.140(c)(1)(A) § 117.140(c)(1)(C) § 117.140(c)(3) [G]§ 117.140(c)(3)(A) § 117.140(c)(3)(B) § 117.140(c)(3)(D) § 117.140(e) § 117.140(k) § 117.8000(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) [G]§ 117.145(b) [G]§ 117.145(c) § 117.145(d) § 117.145(d)(1) § 117.145(d)(2) § 117.145(d)(3) § 117.145(d)(4) § 117.145(d)(5) § 117.8010 [G]§ 117.8010(1) [G]§ 117.8010(2) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)

### 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)
							§ 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6)		
10BLR#690A	EU	63DDDDD-1	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7495(b) § 63.7495(h) § 63.7499(l) § 63.7500(a) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7510(e) § 63.7510(j) § 63.7515(d) § 63.7540(a) § 63.7540(a)(10) § 63.7540(a)(13) § 63.7565	If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).	§ 63.7521(f) § 63.7521(f)(1) § 63.7521(f)(2) § 63.7521(g) § 63.7521(g)(1) § 63.7521(g)(2) § 63.7521(g)(2)(i) § 63.7521(g)(2)(ii) § 63.7521(g)(2)(iii) § 63.7521(g)(2)(iv) § 63.7521(g)(2)(v) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(c) § 63.7540(c)(4)	§ 63.7530(g) [G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) [G]§ 63.7560	§ 63.7495(d) § 63.7530(e) [G]§ 63.7540(a)(10)(vi) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(8) § 63.7545(e)(8)(i) § 63.7545(e)(8)(ii) § 63.7550(a) [G]§ 63.7550(b) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(iv) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
10BLR#690B	EU	R7ICI-25	CO	30 TAC Chapter 117, Subchapter B	§ 117.110(c)(1) § 117.110(c) § 117.110(c)(1)(A) § 117.110(c)(3)	No person shall allow the discharge into the atmosphere from any boiler subject to NO <sub>x</sub> emission specifications in § 117.110(a) CO in excess of 400 ppmv at	§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(3)	§ 117.145(a) § 117.145(f) [G]§ 117.145(f)(2) § 117.145(f)(7) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) [G]§ 117.145(b) [G]§ 117.145(c) § 117.145(d) § 117.145(d)(1) § 117.145(d)(2) § 117.145(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)
						3.0% oxygen, dry basis, except as provided in § 117.125 or § 117.110(c)(3).	§ 117.140(d) § 117.140(e) § 117.140(k) § 117.8000(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) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6) § 117.8120 § 117.8120(1) § 117.8120(1)(A) § 117.8120(2) § 117.8120(2)(A) § 117.8120(2)(A)(ii) § 117.8120(2)(B)		§ 117.145(d)(4) § 117.145(d)(5) § 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)
10BLR#690B	EU	R7ICI-25	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.110(a) § 117.110(a)(1) § 117.110(b)(1) § 117.110(b)(1)(B) § 117.110(d)(1) § 117.110(d)(1)(A) § 117.115(a) § 117.115(b) § 117.115(b)(1) § 117.115(f) § 117.115(f)(1) § 117.115(g) § 117.115(g)(1)	Compliance with the NO <sub>x</sub> emission specifications of § 117.110 may be achieved by equivalent NO <sub>x</sub> emission reductions with a plant-wide emission specification. The plant-wide emission specification shall reduce emissions of NO <sub>x</sub> from affected units so that if all such units were operated at their maximum rated	§ 117.135(a)(1) § 117.135(a)(3)(A) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(2) § 117.135(g) § 117.140(a) § 117.140(a)(1) § 117.140(a)(1)(A) § 117.140(a)(1)(A)(i)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) [G]§ 117.145(b) [G]§ 117.145(c) § 117.145(d) § 117.145(d)(1) § 117.145(d)(2) § 117.145(d)(3) § 117.145(d)(4) § 117.145(d)(5) § 117.8010 [G]§ 117.8010(1) [G]§ 117.8010(2) [G]§ 117.8010(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)
					§ 117.115(i) § 117.130(b) § 117.130(d) § 117.130(d)(1)	capacity, the plant-wide emission rate of NO <sub>x</sub> from these units would not exceed the plant-wide emission specification as defined in § 117.10 of this title.	§ 117.140(b)(1) § 117.140(b)(1)(A) § 117.140(b)(3) § 117.140(c)(1) § 117.140(c)(1)(A) § 117.140(c)(1)(C) § 117.140(c)(3) [G]§ 117.140(c)(3)(A) § 117.140(c)(3)(B) § 117.140(c)(3)(D) § 117.140(e) § 117.140(k) § 117.8000(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6)		§ 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
10BLR#690B	EU	63DDDDD-1	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7495(b) § 63.7495(h) § 63.7499(l) § 63.7500(a) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7510(e) § 63.7510(j) § 63.7515(d) § 63.7540(a)	If you have an existing boiler or process heater, you must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).	§ 63.7521(f) § 63.7521(f)(1) § 63.7521(f)(2) § 63.7521(g) § 63.7521(g)(1) § 63.7521(g)(2) § 63.7521(g)(2)(i) § 63.7521(g)(2)(ii) § 63.7521(g)(2)(iii) § 63.7521(g)(2)(iv) § 63.7521(g)(2)(v)	§ 63.7530(g) [G]§ 63.7540(a)(10)(vi) § 63.7555(a) § 63.7555(a)(1) [G]§ 63.7560	§ 63.7495(d) § 63.7530(e) [G]§ 63.7540(a)(10)(vi) § 63.7545(a) § 63.7545(b) § 63.7545(e) § 63.7545(e)(1) § 63.7545(e)(8) § 63.7545(e)(8)(i) § 63.7545(e)(8)(ii)

### 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)
					§ 63.7540(a)(10) § 63.7540(a)(13) § 63.7565		§ 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a)(10)(i) § 63.7540(a)(10)(ii) § 63.7540(a)(10)(iii) § 63.7540(a)(10)(iv) § 63.7540(a)(10)(v) § 63.7540(c) § 63.7540(c)(4)		§ 63.7550(a) [G]§ 63.7550(b) § 63.7550(c) § 63.7550(c)(1) § 63.7550(c)(5)(i) § 63.7550(c)(5)(ii) § 63.7550(c)(5)(iii) § 63.7550(c)(5)(iv) § 63.7550(c)(5)(xiv) § 63.7550(c)(5)(xvii) § 63.7550(h) § 63.7550(h)(3)
10CAS#032	EU	63YY-25	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(3)-Table 7.g § 61.346(a)(1)(ii) § 61.349(a) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(c) § 61.349(c)(1) § 61.349(g) [G]§ 61.350 § 61.354(d) § 63.1091	For processes that generate waste as defined in §63.1103(e)(2), the permit holder shall comply with the waste requirements of 40 CFR Part 63, Subpart XX.	§ 61.349(a) § 61.349(f) § 61.349(h) § 61.354(d)	§ 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(G) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.356(j)(3)	§ 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(I) § 61.357(d)(8)
10CTL#004	EU	63YY-25	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(F) § 63.1103(e)(3)-Table 7.h § 63.1085(b) § 63.1087 § 63.1087(a) [G]§ 63.1088	For a heat exchange system as defined in §63.1103(e)(2), the permit holder shall comply with the heat exchange system requirements of 40 CFR Part 63, Subpart XX.	§ 63.1085(a) § 63.1086 § 63.1086(c) § 63.1086(c)(1) § 63.1086(c)(1)(i) § 63.1086(c)(1)(ii) § 63.1086(c)(1)(iii) § 63.1086(c)(1)(iii)(A) § 63.1086(c)(1)(iii)(A)(1) § 63.1086(c)(1)(iii)(A)(2) § 63.1086(c)(1)(iii)(B) § 63.1086(c)(1)(iv) § 63.1086(c)(2) § 63.1086(c)(3) § 63.1087(b)	§ 63.1085(c) § 63.1088(b) § 63.1088(c) [G]§ 63.1089	§ 63.1085(d) [G]§ 63.1090

### 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)
10CVS#032	CD	61FF-8	Benzene	40 CFR Part 61, Subpart FF	§ 61.349(a)(2) § 61.349(a)(2)(i) § 61.349(a)(2)(i)(A) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(c) § 61.349(c)(1) § 61.349(g)	For each closed-vent system and control device used to comply with §§61.343-61.348, properly design, install, operate, and maintain the closed-vent system and control device.	§ 61.349(c)(2) § 61.349(d) § 61.349(e) § 61.349(f) § 61.349(h)	None	None
10CVS#032	CD	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100(b) § 63.1103(e)(3)-Table 7.g § 63.1091 § 63.1092(a) § 63.1092(b) § 63.1092(c)	For processes that generate waste as defined in §63.1103(e)(2), the permit holder shall comply with the waste requirements of 40 CFR Part 63, Subpart XX.	None	None	None
10ENG#113	EU	60IIII-2	CO	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 1039.102	Owners and operators of non emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
10ENG#113	EU	60IIII-2	NOx	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c)	Owners and operators of non emergency stationary CI ICE with a maximum engine power greater than or equal to 56 KW but less than 560 KW and a	None	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4218 § 1039.102	displacement of less than 10 liters per cylinder and is a 2014 model year and later must comply with a NOx emission limit of 0.40 g/KW hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039.102 and 40 CFR 1039.101.			
10ENG#113	EU	60III-2	NMHC	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 1039.102	Owners and operators of non emergency stationary CI ICE with a maximum engine power greater than or equal to 56 KW but less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2014 model year and later must comply with an NMHC emission limit of 0.19 g/KW hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
10ENG#113	EU	60III-2	PM	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 1039.102	Owners and operators of non emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2011 model year and later must comply with a PM emission limit of 0.02 g/KW hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
10ENG#113	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c) § 63.6590(c)(7)	A new/reconstructed stationary RICE located at an area source, or located at a major source of HAP emissions and is a spark ignition (SI) 2SLB < 500 HP, SI 4 SLB < 250 HP, or 4SRB, compression ignition (CI), emergency or limited use, or which combusts landfill or digester gas at > 10% of the gross heat input < 500 HP must meet the requirements of this part by meeting the requirements of 40 CFR Part 60, Subpart IIII, for CI engines or 40 CFR Part 60, Subpart JJJJ, for SI engines.	None	None	None
10ENG#116	EU	60IIII-2	CO	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4201(a) § 60.206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 1039.102	Owners and operators of non emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
10ENG#116	EU	60III-2	NOx	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 1039.102	Owners and operators of non emergency stationary CI ICE with a maximum engine power greater than or equal to 56 KW but less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2014 model year and later must comply with a NOx emission limit of 0.40 g/KW hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
10ENG#116	EU	60III-2	NMHC	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 1039.102	Owners and operators of non emergency stationary CI ICE with a maximum engine power greater than or equal to 56 KW but less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2014 model year and later must comply with an NMHC emission limit of 0.19 g/KW hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
10ENG#116	EU	60III-2	PM	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 1039.102	Owners and operators of non emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2011 model year and	None	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						later must comply with a PM emission limit of 0.02 g/KW hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039.102 and 40 CFR 1039.101.			
10ENG#116	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c) § 63.6590(c)(7)	A new/reconstructed stationary RICE located at an area source, or located at a major source of HAP emissions and is a spark ignition (SI) 2SLB < 500 HP, SI 4 SLB < 250 HP, or 4SRB, compression ignition (CI), emergency or limited use, or which combusts landfill or digester gas at > 10% of the gross heat input < 500 HP must meet the requirements of this part by meeting the requirements of 40 CFR Part 60, Subpart IIII, for CI engines or 40 CFR Part 60, Subpart JJJJ, for SI engines.	None	None	None
10FRN#610A	EU	R7ICI-4	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.110(a) § 117.110(a)(2) § 117.110(b)(2) § 117.110(d)(1) § 117.110(d)(1)(A) § 117.115(a) § 117.115(b) § 117.115(b)(2) § 117.115(f) § 117.115(f)(1) § 117.115(g) § 117.115(g)(1)	Compliance with the NO <sub>x</sub> emission specifications of § 117.110 may be achieved by equivalent NO <sub>x</sub> emission reductions with a plant-wide emission specification. The plant-wide emission specification shall reduce emissions of NO <sub>x</sub> from affected units so that if all such units were operated	§ 117.135(a)(1) § 117.135(a)(3)(A) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(a) § 117.140(a)(1) § 117.140(a)(1)(A) § 117.140(a)(1)(A)(ii) § 117.140(b)(1)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) [G]§ 117.8010(2) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)

### 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)
					§ 117.115(i) § 117.130(b) § 117.130(d)	at their maximum rated capacity, the plant-wide emission rate of NO <sub>x</sub> from these units would not exceed the plant-wide emission specification as defined in § 117.10 of this title.	§ 117.140(b)(1)(B) § 117.140(b)(3) § 117.140(e) § 117.140(k) § 117.8000(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6)		[G]§ 117.8010(8)
10FRN#610A	EU	R7ICI-4	CO	30 TAC Chapter 117, Subchapter B	§ 117.110(c)(1) § 117.110(c) § 117.110(c)(1)(B) § 117.110(c)(3)	No person shall allow the discharge into the atmosphere from any process heater subject to NO <sub>x</sub> emission specifications in § 117.110(a) CO in excess of 400 ppmv at 3.0% oxygen, dry basis, except as provided in § 117.125 or § 117.110(c)(3).	§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(k) § 117.8000(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) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B)	§ 117.145(a) § 117.145(f) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(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)

### 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)
							§ 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6) § 117.8120 § 117.8120(2) § 117.8120(2)(A) § 117.8120(2)(A)(i)		
10FRN#610A	EU	63YY-42	112(B) HAPS	40 CFR Part 63, Subpart YY	[G]§ 63.1111(a)	The owner or operator of an affected source shall develop a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the affected source during periods of startup, shutdown, and malfunction.	§ 63.1111(a)(2)	[G]§ 63.1111(b)	[G]§ 63.1111(b)
10FRN#610B	EU	R7ICI-4	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.110(a) § 117.110(a)(2) § 117.110(b)(2) § 117.110(d)(1) § 117.110(d)(1)(A) § 117.115(a) § 117.115(b) § 117.115(b)(2) § 117.115(g) § 117.115(g)(1) § 117.115(i) § 117.130(b) § 117.130(d)	Compliance with the NO <sub>x</sub> emission specifications of § 117.110 may be achieved by equivalent NO <sub>x</sub> emission reductions with a plant-wide emission specification. The plant-wide emission specification shall reduce emissions of NO <sub>x</sub> from affected units so that if all such units were operated at their maximum rated capacity, the plant-wide emission rate of NO <sub>x</sub> from these units would not exceed the plant-wide emission specification as	§ 117.135(a)(1) § 117.135(a)(3)(A) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(a) § 117.140(a)(1) § 117.140(a)(1)(A) § 117.140(a)(1)(A)(ii) § 117.140(b)(1) § 117.140(b)(1)(B) § 117.140(b)(3) § 117.140(e) § 117.140(k) § 117.8000(a) § 117.8000(b)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) [G]§ 117.8010(2) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)

### 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)
						defined in § 117.10 of this title.	§ 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6)		
10FRN#610B	EU	R7ICI-4	CO	30 TAC Chapter 117, Subchapter B	§ 117.110(c)(1) § 117.110(c) § 117.110(c)(1)(B) § 117.110(c)(3)	No person shall allow the discharge into the atmosphere from any process heater subject to NO <sub>x</sub> emission specifications in § 117.110(a) CO in excess of 400 ppmv at 3.0% oxygen, dry basis, except as provided in § 117.125 or § 117.110(c)(3).	§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(k) § 117.8000(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) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6) § 117.8120	§ 117.145(a) § 117.145(f) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(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)

### 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)
							§ 117.8120(2) § 117.8120(2)(A) § 117.8120(2)(A)(i)		
10FRN#610B	EU	63YY-42	112(B) HAPS	40 CFR Part 63, Subpart YY	[G]§ 63.1111(a)	The owner or operator of an affected source shall develop a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the affected source during periods of startup, shutdown, and malfunction.	§ 63.1111(a)(2)	[G]§ 63.1111(b)	[G]§ 63.1111(b)
10FRN#610C	EU	R7ICI-4	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.110(a) § 117.110(a)(2) § 117.110(b)(2) § 117.110(d)(1) § 117.110(d)(1)(A) § 117.115(a) § 117.115(b) § 117.115(b)(2) § 117.115(g) § 117.115(g)(1) § 117.115(i) § 117.130(b) § 117.130(d)	Compliance with the NO <sub>x</sub> emission specifications of § 117.110 may be achieved by equivalent NO <sub>x</sub> emission reductions with a plant-wide emission specification. The plant-wide emission specification shall reduce emissions of NO <sub>x</sub> from affected units so that if all such units were operated at their maximum rated capacity, the plant-wide emission rate of NO <sub>x</sub> from these units would not exceed the plant-wide emission specification as defined in § 117.10 of this title.	§ 117.135(a)(1) § 117.135(a)(3)(A) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(a) § 117.140(a)(1) § 117.140(a)(1)(A) § 117.140(a)(1)(A)(ii) § 117.140(b)(1) § 117.140(b)(1)(B) § 117.140(b)(3) § 117.140(e) § 117.140(k) § 117.8000(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) [G]§ 117.8010(2) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)

### 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)
							§ 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6)		
10FRN#610C	EU	R7ICI-4	CO	30 TAC Chapter 117, Subchapter B	§ 117.110(c)(1) § 117.110(c) § 117.110(c)(1)(B) § 117.110(c)(3)	No person shall allow the discharge into the atmosphere from any process heater subject to NO <sub>x</sub> emission specifications in § 117.110(a) CO in excess of 400 ppmv at 3.0% oxygen, dry basis, except as provided in § 117.125 or § 117.110(c)(3).	§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(k) § 117.8000(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) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6) § 117.8120 § 117.8120(2) § 117.8120(2)(A) § 117.8120(2)(A)(i)	§ 117.145(a) § 117.145(f) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(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)



### 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)
10FRN#610C	EU	63YY-42	112(B) HAPS	40 CFR Part 63, Subpart YY	[G]§ 63.1111(a)	The owner or operator of an affected source shall develop a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the affected source during periods of startup, shutdown, and malfunction.	§ 63.1111(a)(2)	[G]§ 63.1111(b)	[G]§ 63.1111(b)
10FRN#610D	EU	R7ICI-4	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.110(a) § 117.110(a)(2) § 117.110(b)(2) § 117.110(d)(1) § 117.110(d)(1)(A) § 117.115(a) § 117.115(b) § 117.115(b)(2) § 117.115(g) § 117.115(g)(1) § 117.115(i) § 117.130(b) § 117.130(d)	Compliance with the NO <sub>x</sub> emission specifications of § 117.110 may be achieved by equivalent NO <sub>x</sub> emission reductions with a plant-wide emission specification. The plant-wide emission specification shall reduce emissions of NO <sub>x</sub> from affected units so that if all such units were operated at their maximum rated capacity, the plant-wide emission rate of NO <sub>x</sub> from these units would not exceed the plant-wide emission specification as defined in § 117.10 of this title.	§ 117.135(a)(1) § 117.135(a)(3)(A) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(a) § 117.140(a)(1) § 117.140(a)(1)(A) § 117.140(a)(1)(A)(ii) § 117.140(b)(1) § 117.140(b)(1)(B) § 117.140(b)(3) § 117.140(e) § 117.140(k) § 117.8000(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) [G]§ 117.8010(2) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)

### 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)
							§ 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6)		
10FRN#610D	EU	R7ICI-4	CO	30 TAC Chapter 117, Subchapter B	§ 117.110(c)(1) § 117.110(c) § 117.110(c)(1)(B) § 117.110(c)(3)	No person shall allow the discharge into the atmosphere from any process heater subject to NO <sub>x</sub> emission specifications in § 117.110(a) CO in excess of 400 ppmv at 3.0% oxygen, dry basis, except as provided in § 117.125 or § 117.110(c)(3).	§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(k) § 117.8000(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) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6) § 117.8120 § 117.8120(2) § 117.8120(2)(A) § 117.8120(2)(A)(i)	§ 117.145(a) § 117.145(f) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(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)

### 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)
10FRN#610D	EU	63YY-42	112(B) HAPS	40 CFR Part 63, Subpart YY	[G]§ 63.1111(a)	The owner or operator of an affected source shall develop a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the affected source during periods of startup, shutdown, and malfunction.	§ 63.1111(a)(2)	[G]§ 63.1111(b)	[G]§ 63.1111(b)
10FRN#615A	EU	R7ICI-4	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.110(a) § 117.110(a)(2) § 117.110(b)(2) § 117.110(d)(1) § 117.110(d)(1)(A) § 117.115(a) § 117.115(b) § 117.115(b)(2) § 117.115(g) § 117.115(g)(1) § 117.115(i) § 117.130(b) § 117.130(d)	Compliance with the NO <sub>x</sub> emission specifications of § 117.110 may be achieved by equivalent NO <sub>x</sub> emission reductions with a plant-wide emission specification. The plant-wide emission specification shall reduce emissions of NO <sub>x</sub> from affected units so that if all such units were operated at their maximum rated capacity, the plant-wide emission rate of NO <sub>x</sub> from these units would not exceed the plant-wide emission specification as defined in § 117.10 of this title.	§ 117.135(a)(1) § 117.135(a)(3)(A) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(a) § 117.140(a)(1) § 117.140(a)(1)(A) § 117.140(a)(1)(A)(ii) § 117.140(b)(1) § 117.140(b)(1)(B) § 117.140(b)(3) § 117.140(e) § 117.140(k) § 117.8000(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) [G]§ 117.8010(2) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)

### 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)
							§ 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6)		
10FRN#615A	EU	R7ICI-4	CO	30 TAC Chapter 117, Subchapter B	§ 117.110(c)(1) § 117.110(c) § 117.110(c)(1)(B) § 117.110(c)(3)	No person shall allow the discharge into the atmosphere from any process heater subject to NO <sub>x</sub> emission specifications in § 117.110(a) CO in excess of 400 ppmv at 3.0% oxygen, dry basis, except as provided in § 117.125 or § 117.110(c)(3).	§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(k) § 117.8000(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) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6) § 117.8120 § 117.8120(2) § 117.8120(2)(A) § 117.8120(2)(A)(i)	§ 117.145(a) § 117.145(f) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(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)

### 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)
10FRN#615A	EU	63YY-42	112(B) HAPS	40 CFR Part 63, Subpart YY	[G]§ 63.1111(a)	The owner or operator of an affected source shall develop a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the affected source during periods of startup, shutdown, and malfunction.	§ 63.1111(a)(2)	[G]§ 63.1111(b)	[G]§ 63.1111(b)
10FRN#615B	EU	R7ICI-4	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.110(a) § 117.110(a)(2) § 117.110(b)(2) § 117.110(d)(1) § 117.110(d)(1)(A) § 117.115(a) § 117.115(b) § 117.115(b)(2) § 117.115(g) § 117.115(g)(1) § 117.115(i) § 117.130(b) § 117.130(d)	Compliance with the NO <sub>x</sub> emission specifications of § 117.110 may be achieved by equivalent NO <sub>x</sub> emission reductions with a plant-wide emission specification. The plant-wide emission specification shall reduce emissions of NO <sub>x</sub> from affected units so that if all such units were operated at their maximum rated capacity, the plant-wide emission rate of NO <sub>x</sub> from these units would not exceed the plant-wide emission specification as defined in § 117.10 of this title.	§ 117.135(a)(1) § 117.135(a)(3)(A) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(a) § 117.140(a)(1) § 117.140(a)(1)(A) § 117.140(a)(1)(A)(ii) § 117.140(b)(1) § 117.140(b)(1)(B) § 117.140(b)(3) § 117.140(e) § 117.140(k) § 117.8000(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) § 117.145(f)(8) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) [G]§ 117.8010(2) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)

### 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)
							§ 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6)		
10FRN#615B	EU	R7ICI-4	CO	30 TAC Chapter 117, Subchapter B	§ 117.110(c)(1) § 117.110(c) § 117.110(c)(1)(B) § 117.110(c)(3)	No person shall allow the discharge into the atmosphere from any process heater subject to NO <sub>x</sub> emission specifications in § 117.110(a) CO in excess of 400 ppmv at 3.0% oxygen, dry basis, except as provided in § 117.125 or § 117.110(c)(3).	§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(k) § 117.8000(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) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) § 117.8100(a)(6) § 117.8120 § 117.8120(2) § 117.8120(2)(A) § 117.8120(2)(A)(i)	§ 117.145(a) § 117.145(f) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) § 117.145(b)(1) [G]§ 117.145(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)
10FRN#615B	EU	63YY-42	112(B) HAPS	40 CFR Part 63, Subpart YY	[G]§ 63.1111(a)	The owner or operator of an affected source shall develop a written startup, shutdown, and malfunction plan that describes, in detail,	§ 63.1111(a)(2)	[G]§ 63.1111(b)	[G]§ 63.1111(b)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						procedures for operating and maintaining the affected source during periods of startup, shutdown, and malfunction.			
10FRN#630A	EU	63YY-42	112(B) HAPS	40 CFR Part 63, Subpart YY	[G]§ 63.1111(a)	The owner or operator of an affected source shall develop a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the affected source during periods of startup, shutdown, and malfunction.	§ 63.1111(a)(2)	[G]§ 63.1111(b)	[G]§ 63.1111(b)
10FRN#630B	EU	63YY-42	112(B) HAPS	40 CFR Part 63, Subpart YY	[G]§ 63.1111(a)	The owner or operator of an affected source shall develop a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the affected source during periods of startup, shutdown, and malfunction.	§ 63.1111(a)(2)	[G]§ 63.1111(b)	[G]§ 63.1111(b)
10FUG#001	EU	R5352-5	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC	[G]§ 115.355	[G]§ 115.356	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(4) § 115.357(8)	concentration.			
10FUG#001	EU	R5352-5	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(12) § 115.357(6) § 115.357(8)	No connectors, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1)(B) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	[G]§ 115.356	None
10FUG#001	EU	R5352-5	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(1) § 115.357(11) § 115.357(12) § 115.357(13) § 115.357(6)	No connectors, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1)(B) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	[G]§ 115.356	None
10FUG#001	EU	R5352-5	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No accessible valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(2) § 115.354(2)(C) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	[G]§ 115.356	None



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(13) § 115.357(2) § 115.357(6) § 115.357(9)				
10FUG#001	EU	R5352-5	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12) § 115.357(13) § 115.357(2) § 115.357(6) [G]§ 115.357(9)	No difficult-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(B) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) [G]§ 115.356	None
10FUG#001	EU	R5352-5	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12) § 115.357(13) § 115.357(2) § 115.357(6) [G]§ 115.357(9)	No unsafe-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(C) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	[G]§ 115.356	None
10FUG#001	EU	R5352-5	VOC	30 TAC Chapter 115, Pet.	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR	None	[G]§ 115.356(3)(C)	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)
				Refinery & Petrochemicals		§63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.			
10FUG#001	EU	R5352-5	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) § 115.357(9)	No accessible valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(2) § 115.354(2)(C) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	[G]§ 115.356	[G]§ 115.354(7)
10FUG#001	EU	R5352-5	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) § 115.357(9)	No difficult-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(B) § 115.354(10) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) [G]§ 115.356	[G]§ 115.354(7)

### 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)
10FUG#001	EU	R5352-5	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) [G]§ 115.357(9)	No unsafe-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(C) § 115.354(10) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	[G]§ 115.356	[G]§ 115.354(7)
10FUG#001	EU	R5352-5	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	[G]§ 115.356	None
10FUG#001	EU	R5352-5	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(2) § 115.357(6) § 115.357(8) [G]§ 115.357(9)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(2) § 115.354(2)(D) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) [G]§ 115.356	[G]§ 115.354(7)

### 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)
10FUG#001	EU	R5352-5	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(13) § 115.357(2) § 115.357(6) § 115.357(9)	No pressure relief valves (liquid service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) [G]§ 115.356	None
10FUG#001	EU	R5352-5	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	[G]§ 115.356(3)(C)	None
10FUG#001	EU	63YY-27	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1024(c)(2) § 63.1024(d) § 63.1024(d)(1)	Standards: Compressors.	§ 63.1107(a) § 63.1031(c)	[G]§ 63.1024(f) § 63.1038(a) § 63.1038(b)(1) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(6) § 63.1038(c)(6)(i)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(v) § 63.1039(b)(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)
					§ 63.1024(d)(2) § 63.1031(a) [G]§ 63.1031(b) § 63.1031(d)(1) § 63.1031(d)(2)				
10FUG#001	EU	63YY-27	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(b) § 63.1022(b)(1) § 63.1022(c)(1) § 63.1022(d)(1) § 63.1023(e)(1) § 63.1024(a) § 63.1024(c)(1) § 63.1024(d) § 63.1024(d)(1) § 63.1024(d)(2) § 63.1024(d)(3) § 63.1024(d)(3)(i) § 63.1024(d)(3)(ii) § 63.1024(e) § 63.1027(c) § 63.1027(d) [G]§ 63.1027(e)(2)	Standards: Connectors in Gas/Vapor or Light Liquid Service	§ 63.1107(a) § 63.1023(a)(1)(iii) [G]§ 63.1023(b) [G]§ 63.1023(c) § 63.1027(a) § 63.1027(b) § 63.1027(b)(1) § 63.1027(b)(2) [G]§ 63.1027(b)(3) § 63.1027(e)(1) § 63.1027(e)(2)(ii) [G]§ 63.1029(b)	§ 63.1022(c)(3) [G]§ 63.1022(c)(4) § 63.1022(d)(2) § 63.1023(e)(2) [G]§ 63.1024(f) § 63.1027(b)(3)(v) § 63.1038(a) § 63.1038(b)(1) § 63.1038(b)(2) § 63.1038(b)(3) § 63.1038(b)(4) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(3)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(iii)

### 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)
10FUG#001	EU	63YY-27	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(b)(1) § 63.1022(b)(4) § 63.1024(c)(2) § 63.1029(a) § 63.1029(c)	Standards: Instrumentation Systems.	§ 63.1107(a) [G]§ 63.1029(b)	[G]§ 63.1024(f) § 63.1038(a)	None
10FUG#001	EU	63YY-27	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1024(c)(2) § 63.1033(a) [G]§ 63.1033(b) § 63.1033(c)	Standards: Open ended valves or lines.	§ 63.1107(a)	§ 63.1024(f) § 63.1038(a)	None
10FUG#001	EU	63YY-27	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1030(a)	Standards: Pressure relief device in gas/vapor service.	§ 63.1107(a)	[G]§ 63.1024(f) § 63.1038(a)	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)
					§ 63.1030(d)				
10FUG#001	EU	63YY-27	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(f) § 63.1022(f)(2) § 63.1022(f)(3) § 63.1024(c)(2) § 63.1024(d)(4) § 63.1024(d)(4)(i) § 63.1024(d)(4)(i)(A) § 63.1024(d)(4)(i)(B) § 63.1024(d)(4)(i)(C) § 63.1024(d)(4)(ii) § 63.1029(a) § 63.1029(c)	Standards: Pumps in heavy liquid service.	§ 63.1107(a) [G]§ 63.1029(b)	§ 63.1022(f)(1) [G]§ 63.1024(f) § 63.1038(a) § 63.1038(b)(5) § 63.1038(b)(6) § 63.1038(b)(7)	None
10FUG#001	EU	63YY-27	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1024(c)(2) § 63.1024(d)(4) § 63.1024(d)(4)(i) § 63.1024(d)(4)(i)(A) § 63.1024(d)(4)(i)(B) § 63.1024(d)(4)(i)(C) § 63.1024(d)(4)(ii) § 63.1029(a) § 63.1029(c)	Standards: Pumps in light liquid service.	§ 63.1107(a) § 63.1023(a)(1)(ii) § 63.1023(a)(2)(i) [G]§ 63.1023(b) [G]§ 63.1023(c) § 63.1023(d) § 63.1026(b) § 63.1026(b)(1) § 63.1026(b)(2) § 63.1026(b)(2)(iii) § 63.1026(b)(4) § 63.1026(b)(4)(i) § 63.1026(e)(1)(iv) § 63.1026(e)(1)(v) § 63.1026(e)(1)(v)(A)	§ 63.1022(c)(3) § 63.1022(c)(4)(i) [G]§ 63.1023(e) [G]§ 63.1024(f) § 63.1026(e)(1)(i) § 63.1038(a) § 63.1038(b)(2) § 63.1038(b)(3) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(2) § 63.1038(c)(2)(i) § 63.1038(c)(2)(ii) § 63.1038(c)(2)(iii) [G]§ 63.1038(c)(7)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(ii) § 63.1039(b)(6)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.1024(d)(4)(i)(B) § 63.1024(d)(4)(i)(C) § 63.1024(d)(4)(ii) § 63.1026(a) § 63.1026(b)(3) § 63.1026(b)(4)(ii) [G]§ 63.1026(c) § 63.1026(d) § 63.1026(e)(1) § 63.1026(e)(1)(i) § 63.1026(e)(1)(ii) § 63.1026(e)(1)(ii)(A) § 63.1026(e)(1)(ii)(B) § 63.1026(e)(1)(ii)(C) § 63.1026(e)(1)(iii) § 63.1026(e)(1)(v)(B) § 63.1026(e)(1)(vi) § 63.1026(e)(1)(viii) § 63.1026(e)(2) § 63.1026(e)(3) § 63.1026(e)(5) [G]§ 63.1035		§ 63.1026(e)(1)(vii)		
10FUG#001	EU	63YY-27	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) [G]§ 63.1032	Standards: Sampling Connection Systems.	§ 63.1107(a)	[G]§ 63.1024(f) § 63.1038(a)	None
10FUG#001	EU	63YY-27	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f	Standards: Valves in gas/vapor service and in light liquid service.	§ 63.1107(a) § 63.1023(a)(1)(i) [G]§ 63.1023(b) [G]§ 63.1023(c) § 63.1025(b)	§ 63.1022(c)(3) § 63.1022(c)(4)(i) § 63.1022(c)(4)(ii) [G]§ 63.1023(e) [G]§ 63.1024(f)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(i) § 63.1039(b)(2) § 63.1039(b)(5)



### 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)
					§ 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(c)(1) § 63.1022(c)(2) § 63.1022(c)(2)(i)(A) § 63.1022(c)(2)(i)(B) § 63.1023(a) § 63.1023(a)(1) § 63.1024(c)(1) § 63.1024(d)(3) § 63.1024(d)(3)(i) § 63.1024(d)(3)(ii) § 63.1024(d)(5) § 63.1025(a)(1) § 63.1025(b)(2) [G]§ 63.1025(c) § 63.1025(d)(1)		§ 63.1025(b)(1) [G]§ 63.1025(b)(3) § 63.1025(d)(2) § 63.1025(d)(2)(i) § 63.1025(d)(2)(ii) § 63.1025(d)(2)(iii) § 63.1025(d)(2)(iii)(A) § 63.1025(d)(2)(iii)(B) § 63.1025(e)(1) § 63.1025(e)(2)	§ 63.1025(b)(3)(vi) § 63.1038(a) § 63.1038(b)(2) § 63.1038(b)(3) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(1) § 63.1038(c)(1)(i)	
10FUG#001	EU	63YY-27	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(f) § 63.1022(f)(2) § 63.1022(f)(3) § 63.1024(a) § 63.1024(c)(2) § 63.1024(d)(1) § 63.1024(d)(2) [G]§ 63.1024(d)(3)	Standards: Valves in heavy liquid service.	§ 63.1107(a) [G]§ 63.1023(b) [G]§ 63.1023(c) [G]§ 63.1029(b)	§ 63.1022(f)(1) [G]§ 63.1024(f) § 63.1038(a) § 63.1038(b)(5) § 63.1038(b)(6) § 63.1038(b)(7)	§ 63.1039(b)(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)
					§ 63.1024(d)(5) § 63.1029(a) § 63.1029(c)				
10TFX#6110	EU	R5112-13	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7) ** See CAM Summary	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
11CAS#043	EU	63G-38	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.136(a) § 63.136(b) § 63.136(b)(1) § 63.136(b)(1)(i) § 63.136(b)(1)(ii) § 63.136(b)(2) § 63.136(b)(3) § 63.136(b)(5) § 63.136(d) [G]§ 63.136(e) [G]§ 63.136(f) § 63.136(g) § 63.139(a) § 63.139(b) § 63.139(c) § 63.139(c)(2) § 63.139(d) § 63.139(d)(2) § 63.139(d)(2)(iv) § 63.143(e) § 63.145(a)(3)	Compliance with this paragraph requires operation and maintenance of a cover and vent, as specified, on each opening in the individual drain system and meeting § 63.136(b)(1) through (b)(5).	§ 63.136(c) § 63.136(c)(1) § 63.136(c)(2) § 63.136(g) § 63.143(a) § 63.143(e)(3) § 63.143(f) § 63.143(g) § 63.145(a)(2) [G]§ 63.145(a)(6)	§ 63.143(e)(3) § 63.145(a)(3) [G]§ 63.147(d)(3)	§ 63.143(e)(3) § 63.146(b)(7)(ii) § 63.146(b)(7)(ii)(A) § 63.146(b)(7)(ii)(B)
11CVS#041	EU	63YY-38	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100(b) § 61.343(a)(1)(ii) § 61.349(a) § 61.349(a)(1)(iii) § 61.349(b) § 61.349(g) [G]§ 61.350	This subpart applies to source categories and affected sources specified in §63.1103(a) through (h). The affected emission points, by source category, are summarized	§ 61.349(a)(1)(i) § 61.349(f) § 61.349(h) [G]§ 61.355(h) § 63.983(b) § 63.983(b)(1) § 63.983(b)(1)(i)	§ 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(j)(1) § 61.356(j)(3) § 63.983(b) § 63.983(b)(2)(ii)	§ 63.999(c)(2) § 63.999(c)(2)(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)
					§ 63.1022(b)(2) § 63.1034(a) § 63.1034(b)(2) § 63.1034(b)(2)(iii) § 63.983(a) § 63.983(a)(1) § 63.983(a)(2) § 63.983(a)(4) § 63.983(a)(5) § 63.983(d)(2)(i) § 63.983(d)(2)(ii) § 63.983(d)(3)	in table 1 of this section.	§ 63.983(b)(1)(i)(A) § 63.983(b)(1)(i)(B) § 63.983(b)(2) § 63.983(b)(2)(i) § 63.983(b)(2)(ii) [G]§ 63.983(b)(3) [G]§ 63.983(c) § 63.983(d)(1) § 63.983(d)(1)(i) § 63.983(d)(1)(ii)	§ 63.983(b)(3)(ii) § 63.983(d)(2) § 63.998(d)(1) § 63.998(d)(1)(i) [G]§ 63.998(d)(1)(iii) § 63.998(d)(1)(iv)	
11CVS#042	EU	63YY-39	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100(b) § 61.343(a)(1)(ii) § 61.349(a) § 61.349(a)(1)(iii) § 61.349(b) § 61.349(g) [G]§ 61.350 § 63.1022(b)(2) § 63.1034(a) § 63.1034(b)(2) § 63.1034(b)(2)(iii) § 63.983(a) § 63.983(a)(1) § 63.983(a)(2) § 63.983(a)(4) § 63.983(a)(5) § 63.983(d)(2)(i) § 63.983(d)(2)(ii) § 63.983(d)(3)	This subpart applies to source categories and affected sources specified in §63.1103(a) through (h). The affected emission points, by source category, are summarized in table 1 of this section.	§ 61.349(a)(1)(i) § 61.349(f) § 61.349(h) [G]§ 61.355(h) § 63.983(b) § 63.983(b)(1) § 63.983(b)(1)(i) § 63.983(b)(1)(i)(A) § 63.983(b)(1)(i)(B) § 63.983(b)(2) § 63.983(b)(2)(i) § 63.983(b)(2)(ii) [G]§ 63.983(b)(3) [G]§ 63.983(c) § 63.983(d)(1) § 63.983(d)(1)(i) § 63.983(d)(1)(ii)	§ 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(j)(1) § 61.356(j)(3) § 63.983(b) § 63.983(b)(2)(ii) § 63.983(b)(3)(ii) § 63.983(d)(2) § 63.998(d)(1) § 63.998(d)(1)(i) [G]§ 63.998(d)(1)(iii) § 63.998(d)(1)(iv)	§ 63.999(c)(2) § 63.999(c)(2)(i)
11CVS#9601	EU	63H-9	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.172(a) § 63.172(c) § 63.172(d) § 63.172(e) § 63.172(f) [G]§ 63.172(f)(1) [G]§ 63.172(h) § 63.172(i)	Owners/operators of closed-vent systems and control devices used to comply with provisions of this subpart shall comply with the provisions of this section, except as provided in §63.162(b).	§ 63.162(f)(3) § 63.172(e) § 63.172(f) [G]§ 63.172(f)(1) § 63.172(g)	§ 63.172(k)(2) § 63.172(l)(2) § 63.181(b)(10) § 63.181(c) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3)	§ 63.182(d)(2)(xiv)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 63.172(k) [G]§ 63.172(l) § 63.172(m)			§ 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(9) § 63.181(g) § 63.181(g)(1) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) § 63.181(g)(1)(iii) § 63.181(g)(1)(iv) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3)	
11CVS#9603	EU	63H-10	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.172(a) § 63.172(c) § 63.172(d) § 63.172(e) § 63.172(f) [G]§ 63.172(f)(1) [G]§ 63.172(h) § 63.172(i) [G]§ 63.172(k) [G]§ 63.172(l) § 63.172(m)	Owners/operators of closed-vent systems and control devices used to comply with provisions of this subpart shall comply with the provisions of this section, except as provided in §63.162(b).	§ 63.162(f)(3) § 63.172(e) § 63.172(f) [G]§ 63.172(f)(1) § 63.172(g)	§ 63.172(k)(2) § 63.172(l)(2) § 63.181(b)(10) § 63.181(c) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(9) § 63.181(g) § 63.181(g)(1) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) § 63.181(g)(1)(iii) § 63.181(g)(1)(iv) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3)	§ 63.182(d)(2)(xiv)
11CVS#9604	EU	63H-11	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.172(a) § 63.172(c) § 63.172(d) § 63.172(e) § 63.172(f) [G]§ 63.172(f)(1) [G]§ 63.172(h)	Owners/operators of closed-vent systems and control devices used to comply with provisions of this subpart shall comply with the provisions of this section, except as	§ 63.162(f)(3) § 63.172(e) § 63.172(f) [G]§ 63.172(f)(1) § 63.172(g)	§ 63.172(k)(2) § 63.172(l)(2) § 63.181(b)(10) § 63.181(c) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2)	§ 63.182(d)(2)(xiv)

### 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)
					§ 63.172(i) [G]§ 63.172(k) [G]§ 63.172(l) § 63.172(m)	provided in §63.162(b).		§ 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(9) § 63.181(g) § 63.181(g)(1) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) § 63.181(g)(1)(iii) § 63.181(g)(1)(iv) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3)	
11ENG#003	EU	60III-4	CO	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
11ENG#003	EU	60III-4	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 75 KW but less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2013 model	None	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						year must comply with an NMHC+NO <sub>x</sub> emission limit of 4.0 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102.			
11ENG#003	EU	60IIII-4	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Owners and operators of non-emergency stationary CI ICE with a displacement of less than 10 liters per cylinder and is not a constant-speed engine and is a 2007 model year and later must comply with the following opacity emission limits: 20% during the acceleration mode, 15% during the lugging mode, and 50% during the peaks in either the acceleration or lugging modes as stated in 40 CFR 60.4201(a)-(c) and 40 CFR 89.113(a)(1)-(3) and 40 CFR 1039.105(b)(1)-(3).	None	None	None
11ENG#003	EU	60IIII-4	PM	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2010 model year must comply with a PM	None	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						emission limit of 0.20 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a).			
11ENG#003	EU	63ZZZZ-4	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c) § 63.6590(c)(7)	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
11ENG#039	EU	63ZZZZ-5	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table 2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(e)(2) § 63.6625(h) § 63.6625(i) § 63.6640(f) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640 § 63.6640-Table6.9.a.i § 63.6640-Table6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(e)(2) § 63.6655(f) § 63.6655(f)(1) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6650(f)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
11ENG#041	EU	60III-1	NMHC and NOx	40 CFR Part 60, Subpart IIII	§ 60.4205(c) – Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4211(f) § 60.4211(f)(1) § 60.4211(f)(2) § 60.4211(f)(2)(i) § 60.4211(f)(3) § 60.4218	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as listed in Table 4 to this subpart.	None	None	[G]§ 60.4214(d)
11ENG#041	EU	60III-1	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(c) – Table 4 § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4211(f) § 60.4211(f)(1) § 60.4211(f)(2) § 60.4211(f)(2)(i) § 60.4211(f)(3) § 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)
11ENG#041	EU	60ZZZZ-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c) § 63.6590(c)(7)	A new/reconstructed stationary RICE located at an area source, or located at a major source of HAP emissions and is a spark ignition (SI) 2SLB < 500 HP, SI 4 SLB < 250 HP, or 4SRB, compression ignition (CI), emergency or limited use, or which	None	None	None



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						combusts landfill or digester gas at > 10% of the gross heat input < 500 HP must meet the requirements of this part by meeting the requirements of 40 CFR Part 60, Subpart IIII, for CI engines or 40 CFR Part 60, Subpart JJJJ, for SI engines.			
11FLR#041	EU	R1111-3	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
11FLR#041	CD	60A-3	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
11FLR#041	CD	63A-1	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6) § 63.11(b)(6)(ii) § 63.11(b)(7)(i)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
11FLR#041	EU	63YY-31	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1108(b)(1) § 63.1108(b)(1)(i) § 63.1108(b)(1)(ii) [G]§ 63.1108(b)(2) § 63.1112(c)(1) § 63.1112(c)(3) § 61.343(a)(1)(ii) § 61.349(a) § 61.349(a)(2)(iii) § 61.349(b) § 61.349(d) § 61.349(g) [G]§ 61.350 § 63.982(b) § 63.987(a) § 63.996(a) § 63.996(a)(2) § 63.997(b)(1)	Compliance with the required operating conditions for the monitored control devices or recovery devices may be determined by, but is not limited to, the parameter monitoring data for emission points that are required to perform continuous monitoring.	§ 61.349(e) § 61.349(f) § 61.349(f)(1) § 61.349(f)(2)(i)(D) § 61.349(i)(7) § 61.354(c) § 61.354(c)(3) § 63.987(b)(1) [G]§ 63.987(b)(3) § 63.987(c) § 63.997(a) [G]§ 63.997(b) § 63.997(c)(1) § 63.997(c)(1)(iii) § 63.997(c)(2) § 63.997(c)(3) § 63.997(c)(3)(i) § 63.997(c)(3)(ii) § 63.998(a)(1)(i) § 63.998(a)(1)(i)(A) § 63.998(a)(1)(i)(B) § 63.998(a)(1)(i)(C) § 63.998(b)(6)(i) § 63.998(b)(6)(i)(A) § 63.998(b)(6)(i)(B) § 63.998(b)(6)(ii)	§ 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i)(D) § 61.356(g) § 61.356(j) § 61.356(j)(1) § 61.356(j)(3) § 61.356(j)(7) § 63.987(b)(1) § 63.987(c) [G]§ 63.998(a)(1) § 63.998(d)(5)	[G]§ 63.1112(b) [G]§ 63.1112(c)(2) [G]§ 63.1112(c)(4) [G]§ 63.1112(c)(5) § 61.357(d)(7)(iv)(F) § 63.987(b)(1) § 63.997(c)(3) § 63.997(c)(3)(i) § 63.997(c)(3)(ii) § 63.998(a)(1)(i) § 63.998(a)(1)(iii)(A) § 63.998(a)(1)(iii)(B) § 63.998(d)(5) § 63.999(a)(1) § 63.999(a)(1)(i) § 63.999(a)(1)(ii) § 63.999(a)(1)(iii) § 63.999(a)(1)(iv) § 63.999(a)(2) § 63.999(a)(2)(i) § 63.999(a)(2)(ii) § 63.999(a)(2)(iii) § 63.999(a)(2)(iii)(A) § 63.999(c)(3)
11FLR#042	EU	R1111-4	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
11FLR#042	CD	60A-4	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None

### 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)
					§ 60.18(c)(6) § 60.18(e)				
11FLR#042	CD	63A-2	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6) § 63.11(b)(6)(ii) § 63.11(b)(7)(i)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None
11FLR#042	EU	63YY-32	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1108(b)(1) § 63.1108(b)(1)(i) § 63.1108(b)(1)(ii) [G]§ 63.1108(b)(2) § 63.1112(c)(1) § 63.1112(c)(3) § 61.343(a)(1)(ii) § 61.349(a) § 61.349(a)(2)(iii) § 61.349(b) § 61.349(d) § 61.349(g) [G]§ 61.350 § 63.982(b) § 63.987(a) § 63.996(a) § 63.996(a)(2) § 63.997(b)(1)	Compliance with the required operating conditions for the monitored control devices or recovery devices may be determined by, but is not limited to, the parameter monitoring data for emission points that are required to perform continuous monitoring.	§ 61.349(e) § 61.349(f) § 61.349(f)(1) § 61.349(f)(2)(i)(D) § 61.349(i)(7) § 61.354(c) § 61.354(c)(3) § 63.987(b)(1) [G]§ 63.987(b)(3) § 63.987(c) § 63.987(a) [G]§ 63.997(b) § 63.997(c)(1) § 63.997(c)(1)(iii) § 63.997(c)(2) § 63.997(c)(3) § 63.997(c)(3)(i) § 63.997(c)(3)(ii) § 63.998(a)(1)(i) § 63.998(a)(1)(i)(A) § 63.998(a)(1)(i)(B) § 63.998(a)(1)(i)(C) § 63.998(b)(6)(i) § 63.998(b)(6)(i)(A) § 63.998(b)(6)(i)(B) § 63.998(b)(6)(ii)	§ 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i)(D) § 61.356(g) § 61.356(j) § 61.356(j)(1) § 61.356(j)(3) § 61.356(j)(7) § 63.987(b)(1) § 63.987(c) § 63.987(a) [G]§ 63.998(a)(1) § 63.998(d)(5)	[G]§ 63.1112(b) [G]§ 63.1112(c)(2) [G]§ 63.1112(c)(4) [G]§ 63.1112(c)(5) § 61.357(d)(7)(iv)(F) § 63.987(b)(1) § 63.997(c)(3) § 63.997(c)(3)(i) § 63.997(c)(3)(ii) § 63.998(a)(1)(i) § 63.998(a)(1)(iii)(A) § 63.998(a)(1)(iii)(B) § 63.998(d)(5) § 63.999(a)(1) § 63.999(a)(1)(i) § 63.999(a)(1)(ii) § 63.999(a)(1)(iii) § 63.999(a)(1)(iv) § 63.999(a)(2) § 63.999(a)(2)(i) § 63.999(a)(2)(ii) § 63.999(a)(2)(iii) § 63.999(a)(2)(iii)(A) § 63.999(c)(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)
11FLR#043	EU	R1111-5	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
11FLR#043	CD	60A-5	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
11FLR#043	CD	63A-3	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6) § 63.11(b)(6)(ii) § 63.11(b)(7)(i)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None
11FLR#613	EU	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
11FLR#613	CD	63A	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.11(b)(6) § 63.11(b)(6)(ii) § 63.11(b)(7)(i)	2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.			
11FLR#613	EU	63FFFF-16	112(B) HAPS	40 CFR Part 63, Subpart FFFF	§ 63.2445(e) § 63.2450(e)(2) § 63.2450(f) § 63.2450(f)(1) § 63.2450(m)(3) § 63.2450(p) § 63.2540 § 63.982(b) § 63.987(a) § 63.987(b) § 63.987(b)(1) [G]§ 63.987(b)(3) § 63.997(a) [G]§ 63.997(b) § 63.997(c) § 63.997(c)(1) § 63.997(c)(1)(iii)	Except when complying with §63.2485, if you reduce organic HAP emissions by venting emissions through a closed-vent system to a flare, you must meet the requirements of §63.982(b) and the requirements referenced therein.	§ 63.987(c) [G]§ 63.997(d) § 63.997(e) § 63.997(e)(1) § 63.997(e)(1)(i) § 63.997(e)(1)(v)	§ 63.2525(a) [G]§ 63.2525(b) § 63.2525(f) § 63.2525(j) [G]§ 63.1111(a) § 63.987(b) § 63.987(b)(1) § 63.998(a) [G]§ 63.998(a)(1) § 63.998(b) § 63.998(b)(1) § 63.998(b)(1)(i) § 63.998(b)(1)(ii) [G]§ 63.998(b)(2) [G]§ 63.998(b)(3) [G]§ 63.998(b)(5) [G]§ 63.998(b)(6) [G]§ 63.998(d)(3)	§ 63.2450(m) § 63.2450(m)(1) § 63.2450(m)(2) § 63.2515(a) § 63.2515(b) § 63.2515(c) § 63.2520(a) [G]§ 63.2520(b) § 63.2520(d) § 63.2520(d)(1) § 63.2520(d)(2) § 63.2520(d)(2)(i) § 63.2520(d)(2)(ii) § 63.2520(d)(2)(iii) § 63.2520(d)(2)(iv) § 63.2520(d)(2)(v) § 63.2520(d)(2)(vii) § 63.987(b) § 63.987(b)(1) § 63.998(a)(1)(iii)(A) § 63.998(a)(4) § 63.999(a) § 63.999(a)(1) § 63.999(a)(1)(i) § 63.999(a)(1)(ii) § 63.999(a)(1)(iv) § 63.999(a)(2) § 63.999(a)(2)(i) § 63.999(a)(2)(ii) § 63.999(a)(2)(iii) § 63.999(a)(2)(iii)(A) § 63.999(b) § 63.999(b)(5) § 63.999(c) § 63.999(c)(1) § 63.999(c)(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)
11FLR#9601	EU	R1111-6	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
11FLR#9601	CD	60A-6	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
11FLR#9601	CD	63A-4	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6) § 63.11(b)(7)(i)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None
11FUG#001	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	[G]§ 115.356	None
11FUG#001	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery &	§ 115.352(1)(A) § 115.352(1) § 115.352(2)	No connectors, contacting a process fluid with a TVP >0.044 psia, shall be	§ 115.354(1)(B) § 115.354(10) § 115.354(11)	[G]§ 115.356	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)
				Petrochemicals	§ 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(12) § 115.357(6) § 115.357(8)	allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355		
11FUG#001	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	[G]§ 115.356(3)(C)	None
11FUG#001	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) § 115.357(9)	No accessible valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(2) § 115.354(2)(C) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	[G]§ 115.356	[G]§ 115.354(7)
11FUG#001	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B)	No difficult-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than	§ 115.354(1) § 115.354(1)(B) § 115.354(10) § 115.354(5) § 115.354(6)	§ 115.352(7) [G]§ 115.356	[G]§ 115.354(7)

### 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)
					§ 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) § 115.357(9)	0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.354(7) § 115.354(9) [G]§ 115.355		
11FUG#001	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) [G]§ 115.357(9)	No unsafe-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(C) § 115.354(10) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	[G]§ 115.356	[G]§ 115.354(7)
11FUG#001	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	[G]§ 115.356	None
11FUG#001	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than	§ 115.354(10) § 115.354(2) § 115.354(2)(D) § 115.354(4)	§ 115.352(7) [G]§ 115.356	[G]§ 115.354(7)



### 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)
					§ 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(2) § 115.357(6) § 115.357(8) [G]§ 115.357(9)	0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355		
11FUG#001	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(13) § 115.357(2) § 115.357(6) § 115.357(9)	No pressure relief valves (liquid service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) [G]§ 115.356	None
11FUG#001	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	[G]§ 115.356(3)(C)	None
11FUG#001	EU	63YY-33	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii)	Standards: Compressors.	§ 63.1107(a) § 63.1031(c)	[G]§ 63.1024(f) § 63.1038(a) § 63.1038(b)(1)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(v)

### 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)
					§ 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1024(c)(2) § 63.1024(d) § 63.1024(d)(1) § 63.1024(d)(2) § 63.1031(a) [G]§ 63.1031(b) § 63.1031(d)(1) § 63.1031(d)(2)			§ 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(6) § 63.1038(c)(6)(i)	§ 63.1039(b)(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)
11FUG#001	EU	63YY-33	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(b) § 63.1022(b)(1) § 63.1022(c)(1) § 63.1022(d)(1) § 63.1023(e)(1) § 63.1024(a) § 63.1024(c)(1) § 63.1024(d) § 63.1024(d)(1) § 63.1024(d)(2) § 63.1024(d)(3) § 63.1024(d)(3)(i) § 63.1024(d)(3)(ii) § 63.1024(e) § 63.1027(c) § 63.1027(d) [G]§ 63.1027(e)(2)	Standards: Connectors in Gas/Vapor or Light Liquid Service	§ 63.1107(a) § 63.1023(a)(1)(iii) [G]§ 63.1023(b) [G]§ 63.1023(c) § 63.1027(a) § 63.1027(b) § 63.1027(b)(1) § 63.1027(b)(2) [G]§ 63.1027(b)(3) § 63.1027(e)(1) § 63.1027(e)(2)(ii) [G]§ 63.1029(b)	§ 63.1022(c)(3) [G]§ 63.1022(c)(4) § 63.1022(d)(2) § 63.1023(e)(2) [G]§ 63.1024(f) § 63.1027(b)(3)(v) § 63.1038(a) § 63.1038(b)(1) § 63.1038(b)(2) § 63.1038(b)(3) § 63.1038(b)(4) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(3)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(iii)
11FUG#001	EU	63YY-33	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(b)(1)	Standards: Instrumentation Systems.	§ 63.1107(a) [G]§ 63.1029(b)	[G]§ 63.1024(f) § 63.1038(a)	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)
					§ 63.1022(b)(4) § 63.1024(c)(2) § 63.1029(a) § 63.1029(c)				
11FUG#001	EU	63YY-33	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1024(c)(2) § 63.1033(a) [G]§ 63.1033(b) § 63.1033(c)	Standards: Open ended valves or lines.	§ 63.1107(a)	§ 63.1024(f) § 63.1038(a)	None
11FUG#001	EU	63YY-33	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1030(a) § 63.1030(d)	Standards: Pressure relief device in gas/vapor service.	§ 63.1107(a)	[G]§ 63.1024(f) § 63.1038(a)	None
11FUG#001	EU	63YY-33	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2)	Standards: Pumps in heavy liquid service.	§ 63.1107(a) [G]§ 63.1029(b)	§ 63.1022(f)(1) [G]§ 63.1024(f) § 63.1038(a) § 63.1038(b)(5) § 63.1038(b)(6) § 63.1038(b)(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)
					§ 63.1022(a) § 63.1022(f) § 63.1022(f)(2) § 63.1022(f)(3) § 63.1024(c)(2) § 63.1024(d)(4) § 63.1024(d)(4)(i) § 63.1024(d)(4)(i)(A) § 63.1024(d)(4)(i)(B) § 63.1024(d)(4)(i)(C) § 63.1024(d)(4)(ii) § 63.1029(a) § 63.1029(c)				
11FUG#001	EU	63YY-33	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1024(c)(2) § 63.1024(d)(4) § 63.1024(d)(4)(i) § 63.1024(d)(4)(i)(A) § 63.1024(d)(4)(i)(B) § 63.1024(d)(4)(i)(C) § 63.1024(d)(4)(ii) § 63.1026(a) § 63.1026(b)(3) § 63.1026(b)(4)(ii) [G]§ 63.1026(c) § 63.1026(d) § 63.1026(e)(1) § 63.1026(e)(1)(i) § 63.1026(e)(1)(ii) § 63.1026(e)(1)(ii)(A)	Standards: Pumps in light liquid service.	§ 63.1107(a) § 63.1023(a)(1)(ii) § 63.1023(a)(2)(i) [G]§ 63.1023(b) [G]§ 63.1023(c) § 63.1023(d) § 63.1026(b) § 63.1026(b)(1) § 63.1026(b)(2) § 63.1026(b)(2)(iii) § 63.1026(b)(4) § 63.1026(b)(4)(i) § 63.1026(e)(1)(iv) § 63.1026(e)(1)(v) § 63.1026(e)(1)(v)(A) § 63.1026(e)(1)(vii)	§ 63.1022(c)(3) § 63.1022(c)(4)(i) [G]§ 63.1023(e) [G]§ 63.1024(f) § 63.1026(e)(1)(i) § 63.1038(a) § 63.1038(b)(2) § 63.1038(b)(3) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(2) § 63.1038(c)(2)(i) § 63.1038(c)(2)(ii) § 63.1038(c)(2)(iii) [G]§ 63.1038(c)(7)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(ii) § 63.1039(b)(6)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.1026(e)(1)(iii)(B) § 63.1026(e)(1)(ii)(C) § 63.1026(e)(1)(iii) § 63.1026(e)(1)(v)(B) § 63.1026(e)(1)(vi) § 63.1026(e)(1)(viii) § 63.1026(e)(2) § 63.1026(e)(3) § 63.1026(e)(5) [G]§ 63.1035				
11FUG#001	EU	63YY-33	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) [G]§ 63.1032	Standards: Sampling Connection Systems.	§ 63.1107(a)	[G]§ 63.1024(f) § 63.1038(a)	None
11FUG#001	EU	63YY-33	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(c)(1) § 63.1022(c)(2) § 63.1022(c)(2)(i)(A) § 63.1022(c)(2)(i)(B) § 63.1023(a) § 63.1023(a)(1)	Standards: Valves in gas/vapor service and in light liquid service.	§ 63.1107(a) § 63.1023(a)(1)(i) [G]§ 63.1023(b) [G]§ 63.1023(c) § 63.1025(b) § 63.1025(b)(1) [G]§ 63.1025(b)(3) § 63.1025(d)(2) § 63.1025(d)(2)(i) § 63.1025(d)(2)(ii) § 63.1025(d)(2)(iii) § 63.1025(d)(2)(iii)(A) § 63.1025(d)(2)(iii)(B) § 63.1025(e)(1) § 63.1025(e)(2)	§ 63.1022(c)(3) § 63.1022(c)(4)(i) § 63.1022(c)(4)(ii) [G]§ 63.1023(e) [G]§ 63.1024(f) § 63.1025(b)(3)(vi) § 63.1038(a) § 63.1038(b)(2) § 63.1038(b)(3) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(1) § 63.1038(c)(1)(i)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(i) § 63.1039(b)(2) § 63.1039(b)(5)

### 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)
					§ 63.1024(c)(1) § 63.1024(d)(3) § 63.1024(d)(3)(i) § 63.1024(d)(3)(ii) § 63.1024(d)(5) § 63.1025(a)(1) § 63.1025(b)(2) [G]§ 63.1025(c) § 63.1025(d)(1)				
11FUG#001	EU	63YY-33	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(f) § 63.1022(f)(2) § 63.1022(f)(3) § 63.1024(a) § 63.1024(c)(2) § 63.1024(d)(1) § 63.1024(d)(2) [G]§ 63.1024(d)(3) § 63.1024(d)(5) § 63.1029(a) § 63.1029(c)	Standards: Valves in heavy liquid service.	§ 63.1107(a) [G]§ 63.1023(b) [G]§ 63.1023(c) [G]§ 63.1029(b)	§ 63.1022(f)(1) [G]§ 63.1024(f) § 63.1038(a) § 63.1038(b)(5) § 63.1038(b)(6) § 63.1038(b)(7)	§ 63.1039(b)(2)
11FUG#002	EU	R5352-9	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC	[G]§ 115.355	[G]§ 115.356	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(4) § 115.357(8)	concentration.			
11FUG#002	EU	R5352-9	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(6) § 115.357(8)	No compressor seals, contacting a process fluid with a TVP >0.044 psia, not in hydrogen service or not equipped with a shaft seal, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(2) § 115.354(2)(A) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	[G]§ 115.356	None
11FUG#002	EU	R5352-9	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(12) § 115.357(6) § 115.357(8)	No connectors, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1)(B) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	[G]§ 115.356	None
11FUG#002	EU	R5352-9	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	[G]§ 115.356(3)(C)	None
11FUG#002	EU	R5352-9	VOC	30 TAC Chapter 115, Pet. Refinery &	§ 115.352(1)(A) § 115.352(1) § 115.352(2)	No accessible valves, rated less than or equal to 10,000 psig and	§ 115.354(10) § 115.354(2) § 115.354(2)(C)	[G]§ 115.356	[G]§ 115.354(7)



### 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)
				Petrochemicals	§ 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) § 115.357(9)	contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355		
11FUG#002	EU	R5352-9	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) § 115.357(9)	No difficult-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(B) § 115.354(10) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) [G]§ 115.356	[G]§ 115.354(7)
11FUG#002	EU	R5352-9	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2)	No unsafe-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(C) § 115.354(10) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	[G]§ 115.356	[G]§ 115.354(7)

### 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)
					§ 115.357(6) § 115.357(8) [G]§ 115.357(9)				
11FUG#002	EU	R5352-9	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	[G]§ 115.356	None
11FUG#002	EU	R5352-9	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(13) § 115.357(2) § 115.357(6) § 115.357(9)	No pressure relief valves (liquid service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) [G]§ 115.356	None
11FUG#002	EU	R5352-9	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	[G]§ 115.356(3)(C)	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)
11FUG#002	EU	63H-4	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.171(c) § 63.171(c)(1) § 63.171(c)(2) § 63.174(d) [G]§ 63.174(f) [G]§ 63.174(g) [G]§ 63.174(h)(1) § 63.174(h)(2) § 63.174(h)(3) [G]§ 63.174(i)	Standards: Connectors in gas/vapor service and in light liquid service. §63.174(a)-(j)	§ 63.162(f)(2) [G]§ 63.174(a) § 63.174(b) § 63.174(b)(1) [G]§ 63.174(b)(3) [G]§ 63.174(c)(1) § 63.174(c)(2) § 63.174(c)(2)(i) § 63.174(c)(2)(ii) § 63.174(c)(2)(iv) § 63.174(d) [G]§ 63.174(f)	§ 63.174(f)(2) § 63.181(b)(1)(ii) § 63.181(b)(10) § 63.181(b)(5) § 63.181(b)(7) § 63.181(b)(7)(i) § 63.181(b)(7)(iii) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(7)(i) § 63.181(d)(7)(ii) § 63.181(d)(9)	§ 63.182(d)(2)(ix) § 63.182(d)(2)(xi) § 63.182(d)(2)(xvi)
11FUG#002	EU	63H-4	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.169(a) § 63.169(b) [G]§ 63.169(c) § 63.169(d)	Standards: Instrumentation systems. §63.169(a)-(d)	§ 63.162(f)(3) § 63.169(a) § 63.169(b) [G]§ 63.169(c)	§ 63.181(b)(10) § 63.181(b)(4) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(9)	None
11FUG#002	EU	63H-4	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.167(a) § 63.167(b) § 63.167(c) § 63.167(d) § 63.167(e)	Standards: Open-ended valves or lines. §63.167(a)-(e).	None	None	None
11FUG#002	EU	63H-4	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.165(c) § 63.165(d)(1) § 63.165(d)(2)	Standards: Pressure relief device in gas/vapor service. §63.165(a)-(d)	None	§ 63.181(b)(2)(i) § 63.181(b)(3)(ii) [G]§ 63.181(f)	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)
11FUG#002	EU	63H-4	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.169(a) § 63.169(b) [G]§ 63.169(c) § 63.169(d)	Standards: Pressure relief devices in liquid service. §63.169(a)-(d)	§ 63.162(f)(3) § 63.169(a) § 63.169(b) [G]§ 63.169(c)	§ 63.181(b)(10) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(9)	None
11FUG#002	EU	63H-4	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.163(e) § 63.163(e)(1) § 63.163(e)(1)(i) § 63.163(e)(1)(ii) § 63.163(e)(1)(iii) § 63.163(e)(2) § 63.163(e)(3) [G]§ 63.163(e)(4) § 63.163(e)(5) [G]§ 63.163(e)(6) § 63.163(f) § 63.163(g) § 63.163(i) [G]§ 63.171(d)	Standards: Pumps in light liquid service. §63.163(a)-(j)	§ 63.162(f)(3)	§ 63.181(b)(10) § 63.181(b)(2)(i) § 63.181(b)(6) § 63.181(b)(6)(i) § 63.181(b)(6)(ii) § 63.181(b)(7) § 63.181(b)(7)(i) § 63.181(c) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(9) § 63.181(h) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7)	§ 63.182(d)(2)(iii) § 63.182(d)(2)(iv)
11FUG#002	EU	63H-4	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.166(a) § 63.166(b) § 63.166(b)(1) § 63.166(b)(2) § 63.166(c)	Standards: Sampling connection systems. §63.166(a)-(c)	None	None	None
11FUG#002	EU	63H-4	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.170	Standards: Surge control vessels and bottom receivers.	None	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
11FUG#002	EU	63H-4	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.171(c) § 63.171(c)(1) § 63.171(c)(2) § 63.168(a) § 63.168(a)(1) § 63.168(a)(1)(i) § 63.168(a)(1)(i)(C) § 63.168(b) [G]§ 63.168(e) [G]§ 63.168(f) [G]§ 63.168(g) § 63.168(h) § 63.168(h)(1) [G]§ 63.168(i) § 63.171(e) [G]§ 63.175	Standards: Valves in gas/vapor service and in light liquid service. §63.168(a)-(j)	§ 63.162(f)(2) § 63.168(b) § 63.168(b)(1) § 63.162(b)(2) § 63.168(b)(2)(iii) [G]§ 63.168(d) [G]§ 63.168(e) [G]§ 63.168(f) [G]§ 63.168(g) [G]§ 63.168(i) [G]§ 63.175	§ 63.168(h)(2) § 63.168(i)(3) § 63.181(b)(1)(ii) § 63.181(b)(10) § 63.181(b)(7) § 63.181(b)(7)(i) § 63.181(b)(7)(ii) § 63.181(d) § 63.181(d)(1) § 63.181(d)(2) § 63.181(d)(3) § 63.181(d)(4) [G]§ 63.181(d)(5) § 63.181(d)(6) § 63.181(d)(9) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7)	§ 63.182(d)(2)(i) § 63.182(d)(2)(ii) § 63.182(d)(2)(xv)
11FUG#004	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	[G]§ 115.356	None
11FUG#004	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7)	No connectors, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified	§ 115.354(1)(B) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9)	[G]§ 115.356	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(8) § 115.357(12) § 115.357(6) § 115.357(8)	VOC concentration.	[G]§ 115.355		
11FUG#004	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	[G]§ 115.356(3)(C)	None
11FUG#004	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) § 115.357(9)	No accessible valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(2) § 115.354(2)(C) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	[G]§ 115.356	[G]§ 115.354(7)
11FUG#004	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6)	No difficult-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery,	§ 115.354(1) § 115.354(1)(B) § 115.354(10) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) [G]§ 115.356	[G]§ 115.354(7)

### 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)
					§ 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) § 115.357(9)	exceeding the specified VOC concentration.			
11FUG#004	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(2) § 115.357(6) § 115.357(8) [G]§ 115.357(9)	No unsafe-to-monitor valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(1)(C) § 115.354(10) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	[G]§ 115.356	[G]§ 115.354(7)
11FUG#004	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	[G]§ 115.356	None
11FUG#004	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding	§ 115.354(10) § 115.354(2) § 115.354(2)(D) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9)	§ 115.352(7) [G]§ 115.356	[G]§ 115.354(7)

### 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)
					§ 115.352(7) § 115.352(9) § 115.357(2) § 115.357(6) § 115.357(8) [G]§ 115.357(9)	the specified VOC concentration.	[G]§ 115.355		
11FUG#004	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(13) § 115.357(2) § 115.357(6) § 115.357(9)	No pressure relief valves (liquid service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) [G]§ 115.356	None
11FUG#004	EU	R5352-2	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	[G]§ 115.356(3)(C)	None
11FUG#004	EU	63YY-34	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b)	Standards: Compressors.	§ 63.1107(a) § 63.1031(c)	[G]§ 63.1024(f) § 63.1038(a) § 63.1038(b)(1) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(6) § 63.1038(c)(6)(i)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(v) § 63.1039(b)(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)
					§ 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1024(c)(2) § 63.1024(d) § 63.1024(d)(1) § 63.1024(d)(2) § 63.1031(a) [G]§ 63.1031(b) § 63.1031(d)(1) § 63.1031(d)(2)				
11FUG#004	EU	63YY-34	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(b) § 63.1022(b)(1) § 63.1022(c)(1) § 63.1022(d)(1) § 63.1023(e)(1) § 63.1024(a) § 63.1024(c)(1) § 63.1024(d) § 63.1024(d)(1) § 63.1024(d)(2) § 63.1024(d)(3) § 63.1024(d)(3)(i) § 63.1024(d)(3)(ii) § 63.1024(e) § 63.1027(c) § 63.1027(d) [G]§ 63.1027(e)(2)	Standards: Connectors in Gas/Vapor or Light Liquid Service	§ 63.1107(a) § 63.1023(a)(1)(iii) [G]§ 63.1023(b) [G]§ 63.1023(c) § 63.1027(a) § 63.1027(b) § 63.1027(b)(1) § 63.1027(b)(2) [G]§ 63.1027(b)(3) § 63.1027(e)(1) § 63.1027(e)(2)(iii) [G]§ 63.1029(b)	§ 63.1022(c)(3) [G]§ 63.1022(c)(4) § 63.1022(d)(2) § 63.1023(e)(2) [G]§ 63.1024(f) § 63.1027(b)(3)(v) § 63.1038(a) § 63.1038(b)(1) § 63.1038(b)(2) § 63.1038(b)(3) § 63.1038(b)(4) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(3)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(iii)

### 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)
11FUG#004	EU	63YY-34	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(b)(1) § 63.1022(b)(4) § 63.1024(c)(2) § 63.1029(a) § 63.1029(c)	Standards: Instrumentation Systems.	§ 63.1107(a) [G]§ 63.1029(b)	[G]§ 63.1024(f) § 63.1038(a)	None
11FUG#004	EU	63YY-34	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1024(c)(2) § 63.1033(a) [G]§ 63.1033(b) § 63.1033(c)	Standards: Open ended valves or lines.	§ 63.1107(a)	§ 63.1024(f) § 63.1038(a)	None
11FUG#004	EU	63YY-34	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1030(a)	Standards: Pressure relief device in gas/vapor service.	§ 63.1107(a)	[G]§ 63.1024(f) § 63.1038(a)	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)
					§ 63.1030(d)				
11FUG#004	EU	63YY-34	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(f) § 63.1022(f)(2) § 63.1022(f)(3) § 63.1024(c)(2) § 63.1024(d)(4) § 63.1024(d)(4)(i) § 63.1024(d)(4)(i)(A) § 63.1024(d)(4)(i)(B) § 63.1024(d)(4)(i)(C) § 63.1024(d)(4)(ii) § 63.1029(a) § 63.1029(c)	Standards: Pumps in heavy liquid service.	§ 63.1107(a) [G]§ 63.1029(b)	§ 63.1022(f)(1) [G]§ 63.1024(f) § 63.1038(a) § 63.1038(b)(5) § 63.1038(b)(6) § 63.1038(b)(7)	None
11FUG#004	EU	63YY-34	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1024(c)(2) § 63.1024(d)(4) § 63.1024(d)(4)(i) § 63.1024(d)(4)(i)(A) § 63.1024(d)(4)(i)(B) § 63.1024(d)(4)(i)(C) § 63.1024(d)(4)(ii) § 63.1029(a) § 63.1029(c)	Standards: Pumps in light liquid service.	§ 63.1107(a) § 63.1023(a)(1)(ii) § 63.1023(a)(2)(i) [G]§ 63.1023(b) [G]§ 63.1023(c) § 63.1023(d) § 63.1026(b) § 63.1026(b)(1) § 63.1026(b)(2) § 63.1026(b)(2)(iii) § 63.1026(b)(4) § 63.1026(b)(4)(i) § 63.1026(e)(1)(iv) § 63.1026(e)(1)(v) § 63.1026(e)(1)(v)(A)	§ 63.1022(c)(3) § 63.1022(c)(4)(i) [G]§ 63.1023(e) [G]§ 63.1024(f) § 63.1026(e)(1)(i) § 63.1038(a) § 63.1038(b)(2) § 63.1038(b)(3) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(2) § 63.1038(c)(2)(i) § 63.1038(c)(2)(ii) § 63.1038(c)(2)(iii) [G]§ 63.1038(c)(7)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(ii) § 63.1039(b)(6)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.1024(d)(4)(i)(B) § 63.1024(d)(4)(i)(C) § 63.1024(d)(4)(ii) § 63.1026(a) § 63.1026(b)(3) § 63.1026(b)(4)(ii) [G]§ 63.1026(c) § 63.1026(d) § 63.1026(e)(1) § 63.1026(e)(1)(i) § 63.1026(e)(1)(ii) § 63.1026(e)(1)(ii)(A) § 63.1026(e)(1)(ii)(B) § 63.1026(e)(1)(ii)(C) § 63.1026(e)(1)(iii) § 63.1026(e)(1)(v)(B) § 63.1026(e)(1)(vi) § 63.1026(e)(1)(viii) § 63.1026(e)(2) § 63.1026(e)(3) § 63.1026(e)(5) [G]§ 63.1035		§ 63.1026(e)(1)(vii)		
11FUG#004	EU	63YY-34	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) [G]§ 63.1032	Standards: Sampling Connection Systems.	§ 63.1107(a)	[G]§ 63.1024(f) § 63.1038(a)	None
11FUG#004	EU	63YY-34	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f	Standards: Valves in gas/vapor service and in light liquid service.	§ 63.1107(a) § 63.1023(a)(1)(i) [G]§ 63.1023(b) [G]§ 63.1023(c) § 63.1025(b)	§ 63.1022(c)(3) § 63.1022(c)(4)(i) § 63.1022(c)(4)(ii) [G]§ 63.1023(e) [G]§ 63.1024(f)	§ 63.1039(b) § 63.1039(b)(1) § 63.1039(b)(1)(i) § 63.1039(b)(2) § 63.1039(b)(5)

### 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)
					§ 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(c)(1) § 63.1022(c)(2) § 63.1022(c)(2)(i)(A) § 63.1022(c)(2)(i)(B) § 63.1023(a) § 63.1023(a)(1) § 63.1024(c)(1) § 63.1024(d)(3) § 63.1024(d)(3)(i) § 63.1024(d)(3)(ii) § 63.1024(d)(5) § 63.1025(a)(1) § 63.1025(b)(2) [G]§ 63.1025(c) § 63.1025(d)(1)		§ 63.1025(b)(1) [G]§ 63.1025(b)(3) § 63.1025(d)(2) § 63.1025(d)(2)(i) § 63.1025(d)(2)(ii) § 63.1025(d)(2)(iii) § 63.1025(d)(2)(iii)(A) § 63.1025(d)(2)(iii)(B) § 63.1025(e)(1) § 63.1025(e)(2)	§ 63.1025(b)(3)(vi) § 63.1038(a) § 63.1038(b)(2) § 63.1038(b)(3) § 63.1038(b)(6) § 63.1038(b)(7) § 63.1038(c)(1) § 63.1038(c)(1)(i)	
11FUG#004	EU	63YY-34	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e)(1)(i)(D) § 63.1100(g)(4)(i) § 63.1100(g)(4)(ii) § 63.1103(e)(3)-Table 7.f § 63.1107(a) § 63.1107(b) § 63.1107(c) § 63.1107(d) § 63.1108(a)(2) § 63.1022(a) § 63.1022(f) § 63.1022(f)(2) § 63.1022(f)(3) § 63.1024(a) § 63.1024(c)(2) § 63.1024(d)(1) § 63.1024(d)(2) [G]§ 63.1024(d)(3)	Standards: Valves in heavy liquid service.	§ 63.1107(a) [G]§ 63.1023(b) [G]§ 63.1023(c) [G]§ 63.1029(b)	§ 63.1022(f)(1) [G]§ 63.1024(f) § 63.1038(a) § 63.1038(b)(5) § 63.1038(b)(6) § 63.1038(b)(7)	§ 63.1039(b)(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)
					§ 63.1024(d)(5) § 63.1029(a) § 63.1029(c)				
11LRA#001	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.212(a) § 115.212(a)(1) § 115.212(a)(1)(A) § 115.212(a)(2) § 115.212(a)(3) § 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 of 0.5 psia or greater, must be controlled by one of the following methods.	§ 115.212(a)(3)(B) § 115.214(a) § 115.214(a)(1) [G]§ 115.214(a)(1)(A) § 115.215(1) § 115.215(10) [G]§ 115.215(2) § 115.215(3) § 115.215(4) § 115.215(9) § 115.216(1) § 115.216(1)(B) ** See CAM Summary	§ 115.216 § 115.216(1) § 115.216(1)(B) § 115.216(2) § 115.216(3) [G]§ 115.216(3)(A) § 115.216(3)(B)	None
11REM#001	EU	63GGGGG-1	112(B) HAPS	40 CFR Part 63, Subpart GGGGG	[G]§ 63.7884 [G]§ 63.7936 § 63.7886(a) § 63.7886(b) § 63.7886(b)(1) § 63.7886(b)(1)(i) § 63.7886(b)(1)(ii) § 63.7900(a) § 63.7900(b) § 63.7900(b)(1) § 63.7900(b)(2) [G]§ 63.7900(b)(3) § 63.7900(e) § 63.7901(a) [G]§ 63.7901(b) [G]§ 63.7901(c) [G]§ 63.7901(d) § 63.7903(a) [G]§ 63.7903(c) [G]§ 63.7903(d) § 63.7935(a) § 63.7935(b) § 63.7935(e)		§ 63.7902(a) § 63.7903(c)(2) § 63.7903(d)(3) § 63.7941(g) § 63.7941(i)	[G]§ 63.7936 § 63.7901(b)(2) § 63.7901(d)(4) § 63.7903(c)(4) § 63.7903(c)(4)(i) § 63.7903(c)(4)(ii) § 63.7903(c)(5) § 63.7903(d)(5) § 63.7903(d)(5)(i) § 63.7903(d)(5)(ii) § 63.7903(d)(6) [G]§ 63.7952(a) § 63.7952(c) [G]§ 63.7953	§ 63.7884(b)(3) § 63.7900(e) § 63.7901(b) § 63.7901(c) § 63.7901(d) § 63.7935(e) § 63.7950(a) § 63.7950(b) § 63.7950(e) § 63.7950(e)(2) [G]§ 63.7951(a) § 63.7951(b) § 63.7951(b)(1) § 63.7951(b)(2) § 63.7951(b)(3) § 63.7951(b)(5) [G]§ 63.7951(b)(7) § 63.7951(d)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.7935(f) § 63.7937(a) § 63.7937(c) § 63.7937(c)(1) § 63.7938(a) § 63.7938(c) § 63.7938(c)(1) § 63.7940(b) § 63.7941(g) § 63.7941(i) § 63.7942 [G]§ 63.7943 [G]§ 63.7944				
11STR#D40	PRO	61FF-9	Benzene	40 CFR Part 61, Subpart FF	§ 61.348(a)(5) § 61.348(b)(1) § 61.348(f) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	Process wastewater, product tank drawdown, or landfill leachate subject to §61.342(c)(1) aggregated together with other waste streams, as specified, shall operated in accordance with §61.348(b).	§ 61.348(f) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(a)(2) § 61.354(b) § 61.354(c) § 61.354(c)(3) § 61.354(e) § 61.354(g) § 61.355(i) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.354(a)(2) § 61.354(c) § 61.354(c)(3) § 61.354(e)(1) [G]§ 61.354(e)(3) § 61.354(f) § 61.354(f)(1) [G]§ 61.354(f)(3) § 61.355(g) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(e) § 61.356(h) [G]§ 61.356(i) § 61.356(j) § 61.356(j)(1) § 61.356(j)(11) § 61.356(j)(2) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(ii) § 61.357(d)(7)(iii) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
11STR#D40	PRO	63G-46	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.145(a)(1) § 63.138(a)(5) § 63.138(a)(6) § 63.138(k) § 63.138(k)(3)	If design steam stripper option (§63.138(d)) or RCRA option (§63.138(h)) is selected to comply with §63.138, neither a design evaluation nor a	§ 63.143(d) § 63.143(f)	§ 63.143(d)	§ 63.143(d) [G]§ 63.146(b)(8)

### 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)
						performance test is required.			
11STR#D40	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100(g)(6)(i) § 63.1100(g)(6)(i)(A) § 63.1100(g)(6)(i)(B) § 63.1100(g)(6)(i)(C) § 63.1100(g)(6)(ii) § 63.1103(e)(3)-Table 7.g [G]§ 61.342(a) § 61.342(b) [G]§ 61.342(c) § 61.342(f)(1) § 61.342(g) § 61.348(a) § 61.348(a)(1) § 61.348(a)(1)(i) § 61.348(a)(3) § 61.348(a)(4) § 61.348(a)(5) § 61.348(b)(1) [G]§ 61.348(c) § 61.348(f) § 61.349(a) § 61.349(a)(1) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2) § 61.349(a)(2)(iii) § 61.349(b) § 61.349(d) § 61.349(g) § 61.350(a) § 61.350(b) § 63.1091 § 63.1092 § 63.1092(a) § 63.1092(b) § 63.1092(c) § 63.1092(d)	For processes that generate waste as defined in §63.1103(e)(2), the permit holder shall comply with the waste requirements of 40 CFR Part 63, Subpart XX.	§ 61.349(a)(1)(i) § 61.349(d) § 61.349(e) § 61.349(f) § 61.349(h) § 61.354(a) § 61.354(a)(1) § 61.354(a)(2) § 61.354(b)(1) § 61.354(c) § 61.354(c)(3) § 61.354(e) § 61.355(a) [G]§ 61.355(a)(1) § 61.355(a)(2) § 61.355(a)(3) [G]§ 61.355(a)(4) § 61.355(a)(6) § 61.355(b) § 61.355(b)(4) § 61.355(b)(5) § 61.355(b)(6) § 61.355(b)(7) § 61.355(c)(1)(i) § 61.355(c)(1)(ii) § 61.355(c)(1)(iii) § 61.355(c)(1)(iv) § 61.355(c)(1)(v) § 61.355(c)(2) [G]§ 61.355(c)(3) § 61.355(g) § 61.355(j) § 63.1095(a)(1)(i)	§ 61.356(a) § 61.356(b) § 61.356(b)(1) [G]§ 61.356(b)(2) § 61.356(b)(5) § 61.356(c) [G]§ 61.356(e) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(D) [G]§ 61.356(i) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(7) § 63.1095(a)(1)(iii)	§ 61.342(f)(2) [G]§ 61.357(a) § 61.357(d) § 61.357(d)(1) § 61.357(d)(2) § 61.357(d)(3) § 61.357(d)(6) § 61.357(d)(7) § 61.357(d)(7)(iii) § 61.357(d)(7)(iv)(F) § 63.1095(a)(1)(iv) § 63.1095(a)(1)(v) § 63.1096(a) § 63.1096(c) § 63.1096(d)



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.1093 [G]§ 63.1094 § 63.1095 § 63.1095(a) § 63.1095(a)(1) § 63.1095(a)(1)(i) § 63.1095(a)(1)(ii) § 63.1095(b) § 63.1095(b)(2) § 63.1096(a) § 63.1096(b)				
11STR#D41	PRO	61FF-10	Benzene	40 CFR Part 61, Subpart FF	§ 61.348(a)(5) § 61.348(b)(1) § 61.348(f) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	Process wastewater, product tank drawdown, or landfill leachate subject to §61.342(c)(1) aggregated together with other waste streams, as specified, shall operated in accordance with §61.348(b).	§ 61.348(f) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(a)(2) § 61.354(b) § 61.354(c) § 61.354(c)(3) § 61.354(e) § 61.354(g) § 61.355(i) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.354(a)(2) § 61.354(c) § 61.354(c)(3) § 61.354(e)(1) [G]§ 61.354(e)(3) § 61.354(f) § 61.354(f)(1) [G]§ 61.354(f)(3) § 61.355(g) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(e) § 61.356(h) [G]§ 61.356(i) § 61.356(j) § 61.356(j)(1) § 61.356(j)(11) § 61.356(j)(2) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(ii) § 61.357(d)(7)(iii) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
11STR#D41	PRO	63G-47	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.145(a)(1) § 63.138(a)(5) § 63.138(a)(6) § 63.138(k) § 63.138(k)(3)	If design steam stripper option (§63.138(d)) or RCRA option (§63.138(h)) is selected to comply with §63.138, neither a design evaluation nor a performance test is required.	§ 63.143(d) § 63.143(f)	§ 63.143(d)	§ 63.143(d) [G]§ 63.146(b)(8)

### 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)
11STR#D41	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100(g)(6)(i) § 63.1100(g)(6)(i)(A) § 63.1100(g)(6)(i)(B) § 63.1100(g)(6)(i)(C) § 63.1100(g)(6)(ii) § 63.1103(e)(3)-Table 7.g [G]§ 61.342(a) § 61.342(b) [G]§ 61.342(c) § 61.342(f)(1) § 61.342(g) § 61.348(a) § 61.348(a)(1) § 61.348(a)(1)(i) § 61.348(a)(3) § 61.348(a)(4) § 61.348(a)(5) § 61.348(b)(1) [G]§ 61.348(c) § 61.348(f) § 61.349(a) § 61.349(a)(1) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2) § 61.349(a)(2)(iii) § 61.349(b) § 61.349(d) § 61.349(g) § 61.350(a) § 61.350(b) § 63.1091 § 63.1092 § 63.1092(a) § 63.1092(b) § 63.1092(c) § 63.1092(d) § 63.1093 [G]§ 63.1094 § 63.1095	For processes that generate waste as defined in §63.1103(e)(2), the permit holder shall comply with the waste requirements of 40 CFR Part 63, Subpart XX.	§ 61.349(a)(1)(i) § 61.349(d) § 61.349(e) § 61.349(f) § 61.349(h) § 61.354(a) § 61.354(a)(1) § 61.354(a)(2) § 61.354(b)(1) § 61.354(c) § 61.354(c)(3) § 61.354(e) § 61.355(a) [G]§ 61.355(a)(1) § 61.355(a)(2) § 61.355(a)(3) [G]§ 61.355(a)(4) § 61.355(a)(6) § 61.355(b) § 61.355(b)(4) § 61.355(b)(5) § 61.355(b)(6) § 61.355(b)(7) § 61.355(c)(1)(i) § 61.355(c)(1)(ii) § 61.355(c)(1)(iii) § 61.355(c)(1)(iv) § 61.355(c)(1)(v) § 61.355(2) [G]§ 61.355(c)(3) § 61.355(g) § 61.355(j) § 63.1095(a)(1)(i)	§ 61.356(a) § 61.356(b) § 61.356(b)(1) [G]§ 61.356(b)(2) § 61.356(b)(5) § 61.356(c) [G]§ 61.356(e) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(D) [G]§ 61.356(i) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(7) § 63.1095(a)(1)(iii)	§ 61.342(f)(2) [G]§ 61.357(a) § 61.357(d) § 61.357(d)(1) § 61.357(d)(2) § 61.357(d)(3) § 61.357(d)(6) § 61.357(d)(7) § 61.357(d)(7)(iii) § 61.357(d)(7)(iv)(F) § 63.1095(a)(1)(iv) § 63.1095(a)(1)(v) § 63.1096(a) § 63.1096(c) § 63.1096(d)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.1095(a) § 63.1095(a)(1) § 63.1095(a)(1)(i) § 63.1095(a)(1)(ii) § 63.1095(b) § 63.1095(b)(2) § 63.1095(a) § 63.1096(b)				
11TEF#034	EU	R5112-28	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 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)	No person shall place, store, or hold in any stationary tank, reservoir, or other container any volatile organic compound (VOC) unless such container is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere, or is equipped with at least the control device specified in Table I(a) for VOC other than crude oil and condensate, or Table II(a) for crude oil and condensate.	[G]§ 115.115(a) § 115.116(a)(2) § 115.116(a)(4) § 115.116(a)(5)	§ 115.116(a)(1) § 115.116(a)(2) § 115.116(a)(4) § 115.116(a)(5)	§ 115.116(a)(2)
11TEF#034	EU	63G-19	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(c) § 63.119(c)(1) § 63.119(c)(1)(i) § 63.119(c)(1)(ii) § 63.119(c)(1)(iii) § 63.119(c)(2) § 63.119(c)(2)(i) § 63.119(c)(2)(ii) § 63.119(c)(2)(iii) § 63.119(c)(2)(iv) § 63.119(c)(2)(ix) § 63.119(c)(2)(v)	Tanks using an external floating roof, (defined in § 63.111), to comply with §63.119(a)(1) shall comply with §63.119(c)(1)-(4).	§ 63.120(b) § 63.120(b)(1) § 63.120(b)(1)(i) § 63.120(b)(1)(iii) § 63.120(b)(1)(iv) § 63.120(b)(10) [G]§ 63.120(b)(2) § 63.120(b)(3) § 63.120(b)(4) [G]§ 63.120(b)(7)	§ 63.120(b)(7)(ii) § 63.120(b)(8) § 63.123(a) § 63.123(d) § 63.123(g)	§ 63.120(b)(10)(ii) § 63.120(b)(10)(iii) § 63.120(b)(9) § 63.122(a) § 63.122(a)(1) § 63.122(a)(4) § 63.122(a)(5) [G]§ 63.122(e) § 63.122(h) § 63.122(h)(1) § 63.122(h)(1)(ii) § 63.122(h)(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)
					§ 63.119(c)(2)(vi) § 63.119(c)(2)(x) § 63.119(c)(2)(xi) § 63.119(c)(2)(xii) [G]§ 63.119(c)(3) § 63.119(c)(4) § 63.120(b)(10) § 63.120(b)(10)(i) [G]§ 63.120(b)(5) [G]§ 63.120(b)(6) § 63.120(b)(7) § 63.120(b)(8)			§ 63.152(c)(4)(iii) § 63.152(d)(2)	
11TFX#095	EU	R5112-31	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.115(a) § 115.116(a)(4) § 115.116(a)(5) ** See CAM Summary	§ 115.116(a)(4) § 115.116(a)(5)	None
11TFX#095	EU	R5131	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(a)(2) [G]§ 115.132(a)(4)	Any single or multiple compartment VOC water separator which separates materials having a true vapor pressure of VOC < .5 psia obtained from any equipment is exempt from §115.132(a).	§ 115.135(a) § 115.135(a)(5) § 115.135(a)(6)	§ 115.136(a)(1) § 115.136(a)(3) § 115.136(a)(4)	None
11TFX#095	EU	63G-23	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) § 63.120(e) § 63.120(e)(1) § 63.120(e)(4) § 63.133(a) § 63.133(a)(2)	A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the wastewater tank to a control device.	§ 63.120(e)(5) § 63.133(f) § 63.137(d) § 63.137(e) § 63.137(e)(1) § 63.137(e)(1)(vii) § 63.137(e)(3) § 63.143(a)	§ 63.123(a) § 63.123(f) [G]§ 63.123(f)(2) § 63.133(h)	§ 63.120(e)(2) § 63.120(e)(2)(i) § 63.120(e)(2)(ii) § 63.120(e)(2)(iii) § 63.120(e)(3) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(c)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.133(a)(2)(i) § 63.133(b) § 63.133(b)(1) § 63.133(b)(1)(i) § 63.133(b)(1)(iii) § 63.133(h) § 63.138(a)(5) § 63.138(a)(6) § 63.138(k) § 63.138(k)(1)			§ 63.122(c)(2) § 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(3) § 63.152(c)(4)(iii)	
11TFX#095	EU	63G-25	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) § 63.120(e) § 63.120(e)(1) § 63.120(e)(4) § 63.133(a) § 63.133(a)(2) § 63.133(a)(2)(i) § 63.133(b) § 63.133(b)(1) § 63.133(b)(1)(i) § 63.133(b)(1)(iii) § 63.133(h) § 63.137(a) § 63.137(a)(1) § 63.137(b) § 63.137(b)(1) § 63.137(b)(1)(i) § 63.137(b)(1)(ii) § 63.137(b)(2) § 63.137(b)(3) § 63.137(f) § 63.138(a)(5) § 63.138(a)(6) § 63.138(k) § 63.138(k)(1)	A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the oil-water separator to a control device and which meets §63.137(b).	§ 63.120(e)(5) § 63.133(f) § 63.137(d) § 63.137(e) § 63.137(e)(1) § 63.137(e)(1)(vii) § 63.137(e)(3) § 63.143(a)	§ 63.123(a) § 63.123(f) [G]§ 63.123(f)(2) § 63.133(h)	§ 63.120(e)(2) § 63.120(e)(2)(i) § 63.120(e)(2)(ii) § 63.120(e)(2)(iii) § 63.120(e)(3) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(c) § 63.122(c)(2) § 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(3) § 63.152(c)(4)(iii)

### 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)
11TFX#095	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100(a)(2) § 63.1103(e)(3)-Table 7.g § 61.342(c)(1)(ii) § 61.343(a) § 61.343(a)(1) § 61.343(a)(1)(i) § 61.343(a)(1)(i)(B) § 61.343(d) § 61.349(a)(2)(iii) § 61.349(b) § 61.349(d) [G]§ 61.350 § 63.1095(a)(1)(ii) [G]§ 63.1100(g)(6)	For processes that generate waste as defined in §63.1103(e)(2), the permit holder shall comply with the waste requirements of 40 CFR Part 63, Subpart XX.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(2)(iii) § 61.349(d) § 61.349(e) § 61.349(h)	§ 61.356(a) § 61.356(d)	None
11TFX#096	EU	R5112-11	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7) ** See CAM Summary	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
11TFX#096	EU	61FF-2	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(e) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C)	§ 61.354(c) § 61.354(c)(3) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(d) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(11) § 61.356(j)(2) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 61.355(i)(3)(iii) § 61.355(i)(3)(iv)		
11TFX#096	EU	63G-21	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) [G]§ 63.120(b)(5) [G]§ 63.120(b)(6) § 63.120(b)(7) § 63.120(e) § 63.120(e)(1) § 63.120(e)(4) § 63.133(a) § 63.133(a)(2) § 63.133(a)(2)(i) § 63.133(b) § 63.133(b)(1) § 63.133(b)(1)(i) § 63.133(b)(1)(ii) § 63.133(h) § 63.138(k) § 63.138(k)(1)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with § 63.119(a)(1) or (a)(2) shall comply with § 63.119(e)(1)-(5).	[G]§ 63.120(b)(2) § 63.120(b)(3) § 63.120(b)(4) [G]§ 63.120(b)(7) § 63.120(e)(5) § 63.133(f) § 63.143(a)	§ 63.123(a) § 63.123(f) [G]§ 63.123(f)(2) § 63.133(h)	§ 63.120(e)(2) § 63.120(e)(2)(i) § 63.120(e)(2)(ii) § 63.120(e)(2)(iii) § 63.120(e)(3) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(c) § 63.122(c)(2) § 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(3) § 63.152(c)(4)(iii)
11TFX#104	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 115.118(a)(1)	None
11TFX#106	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a) § 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.	None	§ 115.118(a) § 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)
11TFX#1200	EU	R5112-30	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3) § 60.18	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 ** See CAM Summary	§ 115.118(a)(5) § 115.118(a)(7)	None
11TFX#1200	EU	R5131-1	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(a)(3) § 115.131(a)	VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(a) of this title.	[G]§ 115.135(a) § 115.136(a)(2) § 115.136(a)(3) § 115.136(a)(4) ** See CAM Summary	§ 115.136(a)(2) § 115.136(a)(3) § 115.136(a)(4)	None
11TFX#1200	EU	63G-24	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) § 63.120(e) § 63.120(e)(1) § 63.120(e)(4) § 63.133(a) § 63.133(a)(2) § 63.133(a)(2)(i) § 63.133(b) § 63.133(b)(1) § 63.133(b)(1)(i) § 63.133(b)(1)(ii) § 63.133(h) § 63.138(a)(5) § 63.138(a)(6) § 63.138(k) § 63.138(k)(1)	A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the wastewater tank to a control device.	§ 63.120(e)(5) § 63.133(f) § 63.137(d) § 63.137(e) § 63.137(e)(1) § 63.137(e)(1)(vii) § 63.137(e)(3) § 63.143(a)	§ 63.123(a) § 63.123(f) [G]§ 63.123(f)(2) § 63.133(h)	§ 63.120(e)(2) § 63.120(e)(2)(i) § 63.120(e)(2)(ii) § 63.120(e)(2)(iii) § 63.120(e)(3) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(c) § 63.122(c)(2) § 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(3) § 63.152(c)(4)(iii)



### 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)
11TFX#1200	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100(e) § 63.1100(e)(2) [G]§ 63.1100(g)(1) § 63.1103(e)(1)(i)(A) § 63.1103(e)(3)-Table 7.b.1.i § 63.982(a)(1) § 63.982(b)	For a storage vessel as defined in §63.1101 that stores liquid containing organic HAP, the permit holder shall comply with the requirements of 40 CFR Part 63, Subpart WW.	None	§ 63.998(d)(2) § 63.998(d)(3)(i) § 63.998(d)(3)(ii)	§ 63.1100(e)(6) § 63.999(c)(1) [G]§ 63.999(c)(4)
11TSP#060	EU	R5112-29	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	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).	§ 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 § 115.118(a)(5) § 115.118(a)(7) ** See CAM Summary	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
11TSP#060	EU	63G-20	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(5) § 63.120(e) § 63.120(e)(1) § 63.120(e)(4)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with §63.119(a)(1) or (a)(2) shall comply with §63.119(e)(1)-(5).	§ 63.120(e)(5)	§ 63.123(a) § 63.123(f) [G]§ 63.123(f)(2)	§ 63.120(e)(2) § 63.120(e)(2)(i) § 63.120(e)(2)(ii) § 63.120(e)(2)(iii) § 63.120(e)(3) § 63.122(a) § 63.122(a)(1) § 63.122(a)(3) § 63.122(a)(4) § 63.122(c) § 63.122(c)(2) § 63.122(g) [G]§ 63.122(g)(1) [G]§ 63.122(g)(3) § 63.152(c)(4)(iii)

### 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)
11VNT_041	EP	R5121-44	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B)	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126 § 115.126(1) § 115.126(1)(B) ** See CAM Summary	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
11VNT_041	EP	R5121-45	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A)	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7) ** See CAM Summary	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
11VNT_042	EP	R5121-44	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B)	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126 § 115.126(1) § 115.126(1)(B) ** See CAM Summary	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
11VNT_042	EP	R5121-45	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A)	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(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)
						efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	** See CAM Summary		
11VNT_043	EP	R5121-44	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B)	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126 § 115.126(1) § 115.126(1)(B) ** See CAM Summary	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
11VNT_043	EP	R5121-45	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A)	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7) ** See CAM Summary	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
11VNT_613	EP	R5121-64	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(B)	No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title.	[G]§ 115.125 § 115.216 § 115.126(1) § 115.126(1)(B) ** See CAM Summary	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(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)
11VNT_9601	EP	R5121-44	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B)	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126 § 115.126(1) § 115.126(1)(B) ** See CAM Summary	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
11VNT_9601	EP	R5121-45	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A)	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7) ** See CAM Summary	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
11VNT_9603	EP	R5121-65	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(C)	No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title.	§ 115.125(1) [G]§ 115.125(2) § 115.125(4) § 115.125(5) § 115.126(1) § 115.126(1)(C) ** See CAM Summary	§ 115.126 § 115.126(1) § 115.126(1)(C) § 115.126(2)	None
11VNT_9603	EP	63G-35	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(a) § 63.113(a)(2) § 63.113(a)(2)(i) § 63.113(h) § 63.114(e) § 63.117(f)	Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20 ppm by volume; whichever is less stringent or as specified. §63.113(a)(2)(i)-(ii)	§ 63.114(a) § 63.114(a)(1) § 63.114(a)(1)(i) § 63.116(c) § 63.116(c)(1) § 63.116(c)(1)(i) § 63.116(c)(1)(i)(A) § 63.116(c)(1)(ii)	§ 63.117(a) § 63.117(a)(1) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(a)(5)(i) § 63.117(a)(5)(ii)	§ 63.114(e) § 63.117(a) § 63.117(a)(2) § 63.117(a)(4) § 63.117(a)(4)(i) § 63.117(a)(4)(ii) § 63.117(a)(5) § 63.117(f)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 63.116(c)(2) § 63.116(c)(4) § 63.116(c)(4)(i) [G]§ 63.116(c)(4)(ii) § 63.116(c)(4)(iii) § 63.117(f)	§ 63.117(a)(5)(iii) § 63.118(a) § 63.118(a)(1) § 63.118(a)(2)	§ 63.118(f) § 63.118(f)(1) § 63.118(f)(2) § 63.118(k) § 63.118(k)(1)
11WWC#110A	EU	63G-39	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.110(e) § 63.110(e)(1) § 63.110(e)(1)(i) § 63.110(e)(1)(ii) § 63.139(a) § 63.139(b) § 63.139(c) § 63.139(c)(2) § 63.139(d) § 63.139(d)(2) § 63.139(d)(2)(vi) § 63.143(e) § 63.145(a)(3)	For each control device or combination of control devices used to comply with the provisions in §§63.133 through 63.138 of this subpart, the owner or operator shall operate and maintain the control device or combination of control devices in accordance with the requirements of paragraphs (b) through (f) of this section.	§ 63.143(e)(3) § 63.143(f) § 63.143(g) § 63.145(a)(2) [G]§ 63.145(a)(6)	§ 63.143(e)(3) § 63.145(a)(3) [G]§ 63.147(d)(3)	§ 63.143(e)(3) § 63.146(b)(7)(ii) § 63.146(b)(7)(ii)(A) § 63.146(b)(7)(ii)(B)
11WWD#111A	EU	63G-40	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.110(e) § 63.110(e)(1) § 63.110(e)(1)(i) § 63.110(e)(1)(ii) § 63.136(a) § 63.136(b) § 63.136(b)(1) § 63.136(b)(1)(i) § 63.136(b)(1)(ii) § 63.136(b)(2) § 63.136(b)(3) § 63.136(b)(5) § 63.136(d) [G]§ 63.136(e) § 63.136(g) § 63.139(a) § 63.139(b) § 63.139(c) § 63.139(c)(1)	Compliance with this paragraph requires operation and maintenance of a cover and vent, as specified, on each opening in the individual drain system and meeting § 63.136(b)(1) through (b)(5).	§ 63.132(a)(2)(iii) § 63.136(c) § 63.136(c)(1) § 63.136(c)(2) § 63.136(e)(1)(i) § 63.136(e)(2)(i) § 63.136(e)(2)(i)(B) [G]§ 63.136(f) § 63.136(g) § 63.143(a) § 63.143(e)(1) § 63.143(f) § 63.143(g) § 63.145(a)(2) § 63.145(a)(4) § 63.145(a)(4)(i) § 63.145(a)(4)(ii) § 63.145(a)(5) [G]§ 63.145(a)(6)	§ 63.132(a)(2)(iv) § 63.145(a)(3)	§ 63.132(a)(2)(iv) § 63.146(b)(7)(ii) § 63.146(b)(7)(ii)(A) § 63.146(b)(7)(ii)(C)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.139(c)(1)(i) § 63.139(d) § 63.139(d)(1) § 63.139(e) § 63.139(f) § 63.143(e) § 63.145(a)(3)		[G]§ 63.145(i)		
11WWD#111B	EU	63G-41	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.110(e) § 63.110(e)(1) § 63.110(e)(1)(i) § 63.110(e)(1)(ii) § 63.136(a) § 63.136(b) § 63.136(b)(1) § 63.136(b)(1)(i) § 63.136(b)(1)(ii) § 63.136(b)(2) § 63.136(b)(3) § 63.136(b)(5) § 63.136(d) [G]§ 63.136(e) § 63.136(g) § 63.139(a) § 63.139(b) § 63.139(c) § 63.139(c)(2) § 63.139(d) § 63.139(d)(2) § 63.139(d)(2)(vi) § 63.139(f) § 63.143(e) § 63.145(a)(3)	Compliance with this paragraph requires operation and maintenance of a cover and vent, as specified, on each opening in the individual drain system and meeting § 63.136(b)(1) through (b)(5).	§ 63.136(c) § 63.136(c)(1) § 63.136(c)(2) [G]§ 63.136(f) § 63.136(g) § 63.143(a) § 63.143(e)(3) § 63.143(f) § 63.143(g) § 63.145(a)(2) [G]§ 63.145(a)(6)	§ 63.143(e)(3) § 63.145(a)(3)	§ 63.143(e)(3)
11WWD#111 C	EU	63G-42	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.110(e) § 63.110(e)(1) § 63.110(e)(1)(i) § 63.110(e)(1)(ii) § 63.136(a) § 63.136(b) § 63.136(b)(1)	Compliance with this paragraph requires operation and maintenance of a cover and vent, as specified, on each opening in the individual drain system	§ 63.136(c) § 63.136(c)(1) § 63.136(c)(2) [G]§ 63.136(f) § 63.136(g) § 63.143(a) § 63.143(e)(3)	§ 63.143(e)(3) § 63.145(a)(3)	§ 63.143(e)(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)
					§ 63.136(b)(1)(i) § 63.136(b)(1)(ii) § 63.136(b)(2) § 63.136(b)(3) § 63.136(b)(5) § 63.136(d) [G]§ 63.136(e) § 63.136(g) § 63.139(a) § 63.139(b) § 63.139(c) § 63.139(c)(2) § 63.139(d) § 63.139(d)(2) § 63.139(d)(2)(vi) § 63.139(f) § 63.143(e) § 63.145(a)(3)	and meeting § 63.136(b)(1) through (b)(5).	§ 63.143(f) § 63.143(g) § 63.145(a)(2) [G]§ 63.145(a)(6)		
11WWD#112A	EU	63G-43	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.110(e) § 63.110(e)(1) § 63.110(e)(1)(i) § 63.110(e)(1)(ii) § 63.136(a) § 63.136(b) § 63.136(b)(1) § 63.136(b)(1)(i) § 63.136(b)(1)(ii) § 63.136(b)(2) § 63.136(b)(3) § 63.136(b)(5) § 63.136(d) [G]§ 63.136(e) § 63.136(g) § 63.139(a) § 63.139(b) § 63.139(c) § 63.139(c)(1) § 63.139(c)(1)(i) § 63.139(d) § 63.139(d)(1)	Compliance with this paragraph requires operation and maintenance of a cover and vent, as specified, on each opening in the individual drain system and meeting § 63.136(b)(1) through (b)(5).	§ 63.132(a)(2)(iii) § 63.136(c) § 63.136(c)(1) § 63.136(c)(2) § 63.136(e)(1)(i) § 63.136(e)(2)(i) § 63.136(e)(2)(i)(B) [G]§ 63.136(f) § 63.136(g) § 63.143(a) § 63.143(e)(1) § 63.143(f) § 63.143(g) § 63.145(a)(2) § 63.145(a)(4) § 63.145(a)(4)(i) § 63.145(a)(4)(ii) § 63.145(a)(5) [G]§ 63.145(a)(6) [G]§ 63.145(i)	§ 63.132(a)(2)(iv) § 63.145(a)(3)	§ 63.132(a)(2)(iv) § 63.146(b)(7)(ii) § 63.146(b)(7)(ii)(A) § 63.146(b)(7)(ii)(C)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.139(e) § 63.139(f) § 63.143(e) § 63.145(a)(3)				
11WWD#112B	EU	63G-44	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.110(e) § 63.110(e)(1) § 63.110(e)(1)(i) § 63.110(e)(1)(ii) § 63.136(a) § 63.136(b) § 63.136(b)(1) § 63.136(b)(1)(i) § 63.136(b)(1)(ii) § 63.136(b)(2) § 63.136(b)(3) § 63.136(b)(5) § 63.136(d) [G]§ 63.136(e) § 63.136(g) § 63.139(a) § 63.139(b) § 63.139(c) § 63.139(c)(3) § 63.139(d) § 63.139(d)(1) § 63.139(d)(3) § 63.139(e) § 63.139(f) § 63.143(e) § 63.145(a)(3)	Compliance with this paragraph requires operation and maintenance of a cover and vent, as specified, on each opening in the individual drain system and meeting § 63.136(b)(1) through (b)(5).	§ 63.132(a)(2)(iii) § 63.136(c) § 63.136(c)(1) § 63.136(c)(2) § 63.136(e)(1)(i) § 63.136(e)(2)(i) § 63.136(e)(2)(i)(B) [G]§ 63.136(f) § 63.136(g) § 63.143(a) § 63.143(e)(1) § 63.143(f) § 63.143(g) § 63.145(a)(2) § 63.145(a)(4) § 63.145(a)(4)(i) § 63.145(a)(4)(ii) § 63.145(a)(5) [G]§ 63.145(a)(6) § 63.145(j) § 63.145(j)(1) § 63.145(j)(2) § 63.145(j)(3)	§ 63.132(a)(2)(iv) § 63.138(j)(1) § 63.145(a)(3) § 63.147(d)(1)	§ 63.132(a)(2)(iv) § 63.146(b)(7)(i)
11WWD#113	EU	63G-45	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.110(e) § 63.110(e)(1) § 63.110(e)(1)(i) § 63.110(e)(1)(ii) § 63.136(a) § 63.136(b) § 63.136(b)(1) § 63.136(b)(1)(i) § 63.136(b)(1)(ii)	Compliance with this paragraph requires operation and maintenance of a cover and vent, as specified, on each opening in the individual drain system and meeting § 63.136(b)(1) through	§ 63.132(a)(2)(iii) § 63.136(c) § 63.136(c)(1) § 63.136(c)(2) § 63.136(e)(1)(i) § 63.136(e)(2)(i) § 63.136(e)(2)(i)(B) [G]§ 63.136(f) § 63.136(g)	§ 63.132(a)(2)(iv) § 63.138(j)(1) § 63.145(a)(3) § 63.147(d)(1)	§ 63.132(a)(2)(iv) § 63.146(b)(7)(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)
					§ 63.136(b)(2) § 63.136(b)(3) § 63.136(b)(5) § 63.136(d) [G]§ 63.136(e) § 63.136(g) § 63.139(a) § 63.139(b) § 63.139(c) § 63.139(c)(3) § 63.139(d) § 63.139(d)(1) § 63.139(d)(3) § 63.139(e) § 63.139(f) § 63.143(e) § 63.145(a)(3)	(b)(5).	§ 63.143(a) § 63.143(e)(1) § 63.143(f) § 63.143(g) § 63.145(a)(2) § 63.145(a)(4) § 63.145(a)(4)(i) § 63.145(a)(4)(ii) § 63.145(a)(5) [G]§ 63.145(a)(6) § 63.145(j) § 63.145(j)(1) § 63.145(j)(2) § 63.145(j)(3)		
PRO-AR	PRO	63F-3	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.100(b) § 63.100(k)(2) § 63.100(k)(2)(i) § 63.100(k)(2)(ii) § 63.100(k)(3) § 63.100(k)(3)(i) § 63.100(k)(7) [G]§ 63.100(l)(1) § 63.100(l)(2) § 63.100(l)(2)(i) § 63.100(l)(2)(ii)(A) § 63.100(l)(2)(ii)(B) § 63.100(l)(3) § 63.100(l)(3)(ii) § 63.100(l)(4) § 63.100(l)(4)(i) § 63.100(l)(4)(ii) § 63.100(l)(4)(ii)(A) § 63.100(l)(4)(ii)(B) § 63.100(l)(4)(iii) § 63.100(m) § 63.100(m)(3) [G]§ 63.102(a)	Except as provided in paragraphs (b)(4) and (c) of this section, the provisions of subparts F, G, and H apply to chemical manufacturing process units that meet the criteria.	§ 63.103(b) § 63.103(b)(1) § 63.103(b)(3) § 63.103(b)(4)	[G]§ 63.100(l)(3)(ii) [G]§ 63.100(l)(4)(iii) [G]§ 63.103(c) [G]§ 63.105(b) § 63.105(c) § 63.105(e)	[G]§ 63.100(l)(3)(ii) [G]§ 63.100(l)(4)(iii) § 63.100(m)(1) § 63.100(m)(2) § 63.103(b)(2) § 63.103(c) [G]§ 63.103(d)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 63.102(c) § 63.103(a) § 63.105(a) § 63.105(d)				
PRO-HVIVNT	PRO	R5161-2	VOC	30 TAC Chapter 115, Batch Processes	§ 115.167(2)(A) § 115.161(b) [G]§ 115.164	Combined vents from a batch process train or single unit operations that meet the criteria in § 115.162(2)(A) or (B), respectively, are exempt from the requirements of this division, except for §§115.161(b) and (C), 115.164, and 115.166(2).	None	[G]§ 115.166(2)	None
TVTFX#D5	EU	63YY-40	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100(a)(2) § 63.1103(e)(3)-Table 7.g § 61.342(c)(1)(ii) § 61.343(a) § 61.343(a)(1) § 61.343(a)(1)(i) § 61.343(a)(1)(i)(B) § 61.343(d) § 61.349(a)(2)(iii) § 61.349(b) § 61.349(d) [G]§ 61.350 § 63.1095(a)(1)(ii) [G]§ 63.1100(g)(6)	For processes that generate waste as defined in §63.1103(e)(2), the permit holder shall comply with the waste requirements of 40 CFR Part 63, Subpart XX.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(2)(iii) § 61.349(d) § 61.349(e) § 61.349(h)	§ 61.356(a) § 61.356(d)	None

**Additional Monitoring Requirements**

<b>Compliance Assurance Monitoring Summary .....</b>	<b>314</b>
<b>Periodic Monitoring Summary .....</b>	<b>364</b>

### CAM Summary

Unit/Group/Process Information	
ID No.: 01TIF#025	
Control Device ID No.: 11TOX*9604	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-7
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: Minimum exhaust temperature = 1,400 deg F, or the temperature established during most recent stack test	
<p>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:</p> <ul style="list-style-type: none"> <li>± 0.75% of the temperature being measured expressed in degrees Celsius; or</li> <li>± 2.5 degrees Celsius.</li> </ul>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 01TFX#020	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-2
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 01TFX#021	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-3
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 01TFX#022	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-4
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 01TFX#023	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-5
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	



### CAM Summary

Unit/Group/Process Information	
ID No.: 01TFX#104	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-12
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 01TIF#024	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-6
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 02VNT_325	
Control Device ID No.: 02ABT*325	Control Device Type: Other Control Device Type
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-22
Pollutant: VOC	Main Standard: § 115.122(a)(1)
Monitoring Information	
Indicator: Catalyst inlet bed temperature	
Minimum Frequency: Six-minutes	
Averaging Period: Hourly	
Deviation Limit: Minimum catalyst inlet bed temperature established during most recent stack test	
<p>CAM Text: The temperature measurement devices shall be installed, calibrated, and maintained according to accepted practice and manufacturer's specifications. The device shall have an accuracy of the greater of <math>\pm 0.75</math> percent of the temperature being measured expressed in degrees Celsius or <math>\pm 2.5^\circ\text{C}</math>.</p> <p>The temperature measurement device shall be installed in the inlet of the catalyst bed and shall record the inlet temperature to the catalyst when gas is routed to it. This requirement does not apply during periods when the outlet or other downstream temperatures exceed the minimum hourly average inlet temperature maintained during the last stack test performed. These temperatures shall be recorded during these periods.</p> <p>Install, calibrate, and operate the temperature monitoring device in accordance with manufacturer recommendations.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 02VNT_6240	
Control Device ID No.: 02TOX*6240	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-25
Pollutant: VOC	Main Standard: § 115.122(a)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: Minimum exhaust temperature = 1,400 degrees F	
<p>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:</p> <ul style="list-style-type: none"> <li>± 0.75% of the temperature being measured expressed in degrees Celsius; or</li> <li>± 2.5 degrees Celsius.</li> </ul>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 02VNT_6340	
Control Device ID No.: 02ERS*6389	Control Device Type: Other Control Device Type
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-26
Pollutant: VOC	Main Standard: § 115.122(a)(1)
Monitoring Information	
Indicator: Catalyst inlet bed temperature	
Minimum Frequency: Six-minutes	
Averaging Period: Hourly	
Deviation Limit: Minimum catalyst inlet bed temperature established during most recent stack test	
<p>CAM Text: The temperature measurement devices shall be installed, calibrated, and maintained according to accepted practice and manufacturer's specifications. The device shall have an accuracy of the greater of <math>\pm 0.75</math> percent of the temperature being measured expressed in degrees Celsius or <math>\pm 2.5^\circ\text{C}</math>.</p> <p>The temperature measurement device shall be installed in the inlet of the catalyst bed and shall record the inlet temperature to the catalyst when gas is routed to it. This requirement does not apply during periods when the outlet or other downstream temperatures exceed the minimum hourly average inlet temperature maintained during the last stack test performed. These temperatures shall be recorded during these periods.</p> <p>Install, calibrate, and operate the temperature monitoring device in accordance with manufacturer recommendations.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 02VNT_6360	
Control Device ID No.: 02ERS*6389	Control Device Type: Other Control Device Type
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-27
Pollutant: VOC	Main Standard: § 115.122(a)(1)
Monitoring Information	
Indicator: Catalyst inlet bed temperature	
Minimum Frequency: Six-minutes	
Averaging Period: Hourly	
Deviation Limit: Minimum catalyst inlet bed temperature established during most recent stack test	
<p>CAM Text: The temperature measurement devices shall be installed, calibrated, and maintained according to accepted practice and manufacturer's specifications. The device shall have an accuracy of the greater of <math>\pm 0.75</math> percent of the temperature being measured expressed in degrees Celsius or <math>\pm 2.5^\circ\text{C}</math>.</p> <p>The temperature measurement device shall be installed in the inlet of the catalyst bed and shall record the inlet temperature to the catalyst when gas is routed to it. This requirement does not apply during periods when the outlet or other downstream temperatures exceed the minimum hourly average inlet temperature maintained during the last stack test performed. These temperatures shall be recorded during these periods.</p> <p>Install, calibrate, and operate the temperature monitoring device in accordance with manufacturer recommendations.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 02VNT_6370	
Control Device ID No.: 02ERS*6389	Control Device Type: Other Control Device Type
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-28
Pollutant: VOC	Main Standard: § 115.122(a)(1)
Monitoring Information	
Indicator: Catalyst inlet bed temperature	
Minimum Frequency: Six-minutes	
Averaging Period: Hourly	
Deviation Limit: Minimum catalyst inlet bed temperature established during most recent stack test	
<p>CAM Text: The temperature measurement devices shall be installed, calibrated, and maintained according to accepted practice and manufacturer's specifications. The device shall have an accuracy of the greater of <math>\pm 0.75</math> percent of the temperature being measured expressed in degrees Celsius or <math>\pm 2.5^\circ\text{C}</math>.</p> <p>The temperature measurement device shall be installed in the inlet of the catalyst bed and shall record the inlet temperature to the catalyst when gas is routed to it. This requirement does not apply during periods when the outlet or other downstream temperatures exceed the minimum hourly average inlet temperature maintained during the last stack test performed. These temperatures shall be recorded during these periods.</p> <p>Install, calibrate, and operate the temperature monitoring device in accordance with manufacturer recommendations.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 03TIF#019	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-1
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	



### CAM Summary

Unit/Group/Process Information	
ID No.: 03TIF#019	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-1
Pollutant: VOC	Main Standard: § 115.132(a)(3)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 03TIF#019	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-1
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 04TFX#010	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-16
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 04TFX#012	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-17
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 06TFX#076	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-23
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 06TPR#009	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-15
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 06TPR#028	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-18
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 06TPR#029	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-19
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	



### CAM Summary

Unit/Group/Process Information	
ID No.: 06TPR#030	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-20
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 06TPR#049	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-21
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 06TPR#063	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-22
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 06TSP#001	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-13
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 06TSP#002	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-14
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 08LWF#001	
Control Device ID No.: 08LWF*9602	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 61, Subpart BB	SOP Index No.: 61BB-1
Pollutant: Benzene	Main Standard: [G]§ 61.302(a)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: Minimum exhaust temperature = 1,500 deg F, or the temperature established during most recent stack test	
<p>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:</p> <ul style="list-style-type: none"> <li>± 2% of reading; or</li> <li>± 2.5 degrees Celsius.</li> </ul>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 08TFX#9601	
Control Device ID No.: 11TOX*9603	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-24
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: Minimum exhaust temperature = 1,400 deg F, or the temperature established during most recent stack test	
<p>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:</p> <ul style="list-style-type: none"> <li>± 0.75% of the temperature being measured expressed in degrees Celsius; or</li> <li>± 2.5 degrees Celsius.</li> </ul>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 08TFX#9602	
Control Device ID No.: 11TOX*9603	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-25
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: Minimum exhaust temperature = 1,400 deg F, or the temperature established during most recent stack test	
<p>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:</p> <ul style="list-style-type: none"> <li>± 0.75% of the temperature being measured expressed in degrees Celsius; or</li> <li>± 2.5 degrees Celsius.</li> </ul>	



### CAM Summary

Unit/Group/Process Information	
ID No.: 08TIF#032	
Control Device ID No.: 11FLR*9601	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-10
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 08TIF#032	
Control Device ID No.: 11TOX*9603	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-9
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: Minimum exhaust temperature = 1,400 deg F, or the temperature established during most recent stack test	
<p>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:</p> <ul style="list-style-type: none"> <li>± 0.75% of the temperature being measured expressed in degrees Celsius; or</li> <li>± 2.5 degrees Celsius.</li> </ul>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 08TIF#9620	
Control Device ID No.: 11TOX*9604	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-26
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: Minimum exhaust temperature = 1,400 deg F, or the temperature established during most recent stack test	
<p>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:</p> <ul style="list-style-type: none"> <li>± 0.75% of the temperature being measured expressed in degrees Celsius; or</li> <li>± 2.5 degrees Celsius.</li> </ul>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 09TFX#2110	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-27
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 10TFX#6110	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-13
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 11LRA#001	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Loading and Unloading of VOC	SOP Index No.: R5211-1
Pollutant: VOC	Main Standard: § 115.212(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 11TFX#095	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-31
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 11TFX#096	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-11
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	



### CAM Summary

Unit/Group/Process Information	
ID No.: 11TFX#1200	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-30
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 11TFX#1200	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-1
Pollutant: VOC	Main Standard: § 115.132(a)(3)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 11TSP#060	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-29
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 11VNT_041	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-44
Pollutant: VOC	Main Standard: § 115.122(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No Pilot Flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 11VNT_041	
Control Device ID No.: 11FLR*041	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-45
Pollutant: VOC	Main Standard: § 115.122(a)(2)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No Pilot Flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 11VNT_042	
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-44
Pollutant: VOC	Main Standard: § 115.122(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No Pilot Flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 11VNT_042	
Control Device ID No.: 11FLR*042	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-45
Pollutant: VOC	Main Standard: § 115.122(a)(2)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No Pilot Flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 11VNT_043	
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-44
Pollutant: VOC	Main Standard: § 115.122(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No Pilot Flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	



### CAM Summary

Unit/Group/Process Information	
ID No.: 11VNT_043	
Control Device ID No.: 11FLR*043	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-45
Pollutant: VOC	Main Standard: § 115.122(a)(2)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No Pilot Flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 11VNT_613	
Control Device ID No.: 11FLR*613	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-64
Pollutant: VOC	Main Standard: § 115.122(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 11VNT_9601	
Control Device ID No.: 11FLR*9601	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-44
Pollutant: VOC	Main Standard: § 115.122(a)(1)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No Pilot Flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 11VNT_9601	
Control Device ID No.: 11FLR*9601	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-45
Pollutant: VOC	Main Standard: § 115.122(a)(2)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No Pilot Flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

### CAM Summary

Unit/Group/Process Information	
ID No.: 11VNT_9603	
Control Device ID No.: 11TOX*9603	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-65
Pollutant: VOC	Main Standard: § 115.122(a)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: Minimum exhaust temperature = 1,400 deg F, or the temperature established during most recent stack test	
<p>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:</p> <ul style="list-style-type: none"> <li>± 0.75% of the temperature being measured expressed in degrees Celsius; or</li> <li>± 2.5 degrees Celsius.</li> </ul>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 05DEG#001	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R5412
Pollutant: VOC	Main Standard: § 115.412(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: n/a	
Deviation Limit: Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of 30 TAC § 115.412(1)(A)-(F) shall be considered and reported as a deviation.	
Periodic Monitoring Text: Inspect equipment and record data monthly to ensure compliance with any applicable requirements in § 115.412(1)(A)-(F). Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of § 115.412(1)(A)-(F) shall be considered and reported as a deviation.	

## Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 07TFX#615	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131
Pollutant: VOC	Main Standard: § 115.132(a)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Quarterly	
Averaging Period: n/a	
Deviation Limit: Maximum VOC concentration = 500 ppmv	
<p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level.</p> <p>The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures.</p> <p>Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2).</p>	

**Permit Shield**

<b>Permit Shield .....</b>	<b>367</b>
----------------------------	------------



### 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		
01CTL#002	N/A	40 CFR Part 63, Subpart Q	Not operated with chromium-based water treatment chemicals on or after 9/8/94.
01CVS#3536	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	PRVs vent to a closed vent system and control device
01DEG#001	N/A	30 TAC Chapter 115, Degreasing Processes	Site is located in BPA area and is a remote reservoir cold cleaner with TVP less than or equal to 0.6 psia at 100 degrees Fahrenheit with a drain area less than 16 square inches and waste solvent is disposed of in enclosed containers
01DEG#002	N/A	30 TAC Chapter 115, Degreasing Processes	Site is located in BPA area and is a remote reservoir cold cleaner with TVP less than or equal to 0.6 psia at 100 degrees Fahrenheit with a drain area less than 16 square inches and waste solvent is disposed of in enclosed containers
01DEG#003	N/A	30 TAC Chapter 115, Degreasing Processes	Site is located in BPA area and is a remote reservoir cold cleaner with TVP less than or equal to 0.6 psia at 100 degrees Fahrenheit with a drain area less than 16 square inches and waste solvent is disposed of in enclosed containers
01DEG#005	N/A	30 TAC Chapter 115, Degreasing Processes	Site is located in BPA area and is a remote reservoir cold cleaner with TVP less than or equal to 0.6 psia at 100 degrees Fahrenheit with a drain area less than 16 square inches and waste solvent is disposed of in enclosed containers

### 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		
01FUG#001	N/A	40 CFR Part 60, Subpart VV	Equipment to which 40 CFR Part 63 Subpart H applies that are also subject to 40 CFR Part 60 shall be required to comply only with the provisions of 40 CFR Part 63 after the compliance dates of Subpart H
01FUG#001	N/A	40 CFR Part 61, Subpart J	Equipment to which 40 CFR Part 63 Subpart H applies that are also subject to 40 CFR Part 61 shall be required to comply only with the provisions of 40 CFR Part 63 after the compliance dates of Subpart H
01FUG#001	N/A	40 CFR Part 61, Subpart V	Equipment to which 40 CFR Part 63 Subpart H applies that are also subject to 40 CFR Part 61 shall be required to comply only with the provisions of 40 CFR Part 63 after the compliance dates of Subpart H
01HTR#301	N/A	30 TAC Chapter 112, Sulfur Compounds	Is not a liquid fuel fired steam generator/heater/furnace
01HTR#301	N/A	30 TAC Chapter 117, Subchapter B	Process heater has a maximum rated capacity of less than 40 MMBtu/hr
01HTR_301	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to Chapter 115 vent gas control and which originated from a non-combustion source
01HTR_301	N/A	30 TAC Chapter 117, Subchapter B	Process heater has a maximum rated capacity of less than 40 MMBtu/hr.

### 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		
01RXT#301	N/A	40 CFR Part 60, Subpart NNN	Rule overlap. Complies with 40 CFR Part 63, Subpart F
01RXT#301	N/A	40 CFR Part 60, Subpart RRR	Rule overlap. Complies with 40 CFR Part 63, Subpart F
01RXT#303	N/A	40 CFR Part 60, Subpart NNN	Rule overlap. Complies with 40 CFR Part 63, Subpart F
01RXT#303	N/A	40 CFR Part 60, Subpart RRR	Rule overlap. Complies with 40 CFR Part 63, Subpart F
01SCB#305	N/A	40 CFR Part 60, Subpart NNN	Rule overlap. Complies with 40 CFR Part 63, Subpart F
01SCB#305	N/A	40 CFR Part 60, Subpart RRR	Rule overlap. Complies with 40 CFR Part 63, Subpart F
01SEP#304	N/A	40 CFR Part 60, Subpart NNN	Rule overlap. Complies with 40 CFR Part 63, Subpart F
01SEP#304	N/A	40 CFR Part 60, Subpart RRR	Rule overlap. Complies with 40 CFR Part 63, Subpart F
01TFX#020	N/A	40 CFR Part 60, Subpart K	Unit constructed/modified on or before June 11, 1973
01TFX#020	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63, Subpart G
01TFX#021	N/A	40 CFR Part 60, Subpart K	Unit constructed/modified on or before June 11, 1973

### 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		
01TFX#021	N/A	40 CFR Part 61, Subpart Y	Group 1 storage vessel that is also subject to the provisions of 40 CFR Part 61, Subpart Y is required to comply only with the provisions of HON
01TFX#021	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart G
01TFX#022	N/A	40 CFR Part 60, Subpart K	Unit constructed/modified on or before June 11, 1973
01TFX#022	N/A	40 CFR Part 61, Subpart Y	Group 1 storage vessel that is also subject to the provisions of 40 CFR Part 61 Subpart Y is required to comply only with the provisions of the HON
01TFX#022	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart G
01TFX#023	N/A	40 CFR Part 60, Subpart K	Unit constructed/modified on or before June 11, 1973
01TFX#023	N/A	40 CFR Part 61, Subpart Y	Group 1 storage vessel that is also subject to the provisions of 40 CFR Part 61 Subpart Y is required to comply only with the provisions of the HON
01TFX#023	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart G
01TFX#104	N/A	40 CFR Part 60, Subpart K	Unit constructed/modified on or before June 11, 1973

### 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		
01TFX#104	N/A	40 CFR Part 61, Subpart Y	Group 1 storage vessel that is also subject to the provisions of 40 CFR Part 61 Subpart Y is required to comply only with the provisions of the HON
01TFX#104	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart G
01TIF#024	N/A	40 CFR Part 60, Subpart K	Unit constructed/modified on or before June 11, 1973
01TIF#025	N/A	40 CFR Part 60, Subpart Kb	Group 1 and Group 2 storage vessels that are also subject to NSPS Kb are only subject to HON storage tank requirements
01TIF#025	N/A	40 CFR Part 61, Subpart Y	Group 1 storage vessel that is also subject to the provisions of 40 CFR Part 61 Subpart Y is required to comply only with the provisions of the HON
01TIF#025	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart G
01TVD#115	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through control device
01TVD#115	N/A	40 CFR Part 63, Subpart F	Not an affected facility. No venting to the atmosphere directly or through a control device
01TVD#130	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device

### 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		
01TVD#130	N/A	40 CFR Part 63, Subpart F	Not an affected facility. No venting to the atmosphere directly or through a control device
01TVD#306	N/A	40 CFR Part 60, Subpart NNN	Rule overlap. Complies with 40 CFR Part 63 Subpart F
01TVD#306	N/A	40 CFR Part 60, Subpart RRR	Rule overlap. Complies with 40 CFR Part 63 Subpart F
01TVD#3301	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device
01TVD#3301	N/A	40 CFR Part 63, Subpart F	Not an affected facility. No venting to the atmosphere directly or through a control device
01VNT_01N	N/A	40 CFR Part 63, Subpart F	Analyzer vents are not an affected vent stream subject to the requirements of 40 CFR 63, Subpart F.
01VNT_01S	N/A	40 CFR Part 63, Subpart F	Analyzer vents are not an affected vent stream subject to the requirements of 40 CFR 63, Subpart F.
01VNT_104	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. Designed and operated as a batch operation
01VNT_104	N/A	40 CFR Part 63, Subpart F	Not an affected facility. Does not meet the definition of process vent since designed and operated as a batch vent

### 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		
02ABT#325	N/A	30 TAC Chapter 117, Subchapter B	Flares, incinerators, fume abaters, pulping liquor recovery furnaces, sulfur recovery units, sulfuric acid regeneration units, and sulfur plant reaction boilers are exempt
02ABT#325	N/A	40 CFR Part 63, Subpart DDDDD	Not an affected source. Unit is a control device that does not produce steam. Does not meet the definition of a boiler or process heater.
02ERS#6389	N/A	30 TAC Chapter 117, Subchapter B	Flares, incinerators, fume abaters, pulping liquor recovery furnaces, sulfur recovery units, sulfuric acid regeneration units, and sulfur plant reaction boilers are exempt
02ERS#6389	N/A	40 CFR Part 63, Subpart DDDDD	Not an affected source. Unit is a control device that does not produce steam. Does not meet the definition of a boiler or process heater.
02FUG#001	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not a petroleum refinery; a synthetic organic chemical, polymer, resin, or methy tert-butyl ether manufacturing process; or a natural gas/gasoline processing operation as defined in 115.10
02FUG#001	N/A	40 CFR Part 60, Subpart VV	Facility does not produce as an intermediate or final product, one or more of the chemicals listed in 60.489

### 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		
02FUG#003	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not a petroleum refinery; a synthetic organic chemical, polymer, resin, or methyl tert-butyl ether manufacturing process; or a natural gas/gasoline processing operation as defined in 115.10.
02FUG#003	N/A	40 CFR Part 60, Subpart VV	Facility does not produce as an intermediate or final product, one or more of the chemicals listed in 60.489.
02HTR#302	N/A	30 TAC Chapter 117, Subchapter B	Commercial, institutional, or industrial boiler or process heater with max. rated capacity < 40 MMBtu/hr
02HTR#302	N/A	40 CFR Part 60, Subpart Dc	Maximum design heat capacity < 10 million Btu/hr
02HTR#500	N/A	30 TAC Chapter 117, Subchapter B	Commercial, institutional, or industrial boiler or process heater with max. rated capacity < 40 MMBtu/hr
02HTR#500	N/A	40 CFR Part 60, Subpart Dc	Maximum design heat capacity < 10 million Btu/hr
02HTR#501	N/A	30 TAC Chapter 117, Subchapter B	Commercial, institutional, or industrial boiler or process heater with max. rated capacity < 40 MMBtu/hr
02HTR#501	N/A	40 CFR Part 60, Subpart Dc	Maximum design heat capacity < 10 million Btu/hr
02HTR#622	N/A	30 TAC Chapter 117, Subchapter B	Commercial, institutional, or industrial boiler or process heater with max. rated capacity < 40 MMBtu/hr



### 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		
02HTR#622	N/A	40 CFR Part 60, Subpart Dc	Max design heat capacity < 10 MMBtu/hr
02HTR#632	N/A	30 TAC Chapter 117, Subchapter B	Commercial, institutional, or industrial boiler or process heater with max. rated capacity < 40 MMBtu/hr
02HTR#632	N/A	40 CFR Part 60, Subpart Dc	Maximum design heat capacity < 10 million Btu/hr
02HTR#635	N/A	30 TAC Chapter 117, Subchapter B	Commercial, institutional, or industrial boiler or process heater with max. rated capacity < 40 MMBtu/hr
02HTR#635	N/A	40 CFR Part 60, Subpart Dc	Maximum design heat capacity < 10 million Btu/hr
02TFX#303	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC
02TFX#303	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
02TFX#303	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#314	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store a VOC
02TFX#314	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
02TFX#314	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#315	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store a VOC
02TFX#315	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
02TFX#315	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#335	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC
02TFX#335	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL

### 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		
02TFX#335	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#503	N/A	40 CFR Part 60, Subpart K	Capacity < 40,000 gallons
02TFX#503	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#504	N/A	40 CFR Part 60, Subpart K	Capacity < 40,000 gallons
02TFX#504	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#505	N/A	40 CFR Part 60, Subpart K	Capacity < 40,000 gallons
02TFX#505	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#506	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store a VOC
02TFX#506	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
02TFX#506	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#511	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons
02TFX#511	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#512	N/A	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids
02TFX#512	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#516	N/A	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids
02TFX#516	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#517	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC
02TFX#517	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
02TFX#517	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#524	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store a VOC

### Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
02TFX#524	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
02TFX#524	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#537	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC
02TFX#537	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
02TFX#537	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#539	N/A	30 TAC Chapter 115, Storage of VOCs	Storage containers which have a capacity of no more than 1,000 gallons are exempt from the requirements of this division
02TFX#539	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons
02TFX#539	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#548	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store a VOC
02TFX#548	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
02TFX#548	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#551	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC
02TFX#551	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
02TFX#551	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#552	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC
02TFX#552	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
02TFX#552	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#553	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC
02TFX#553	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL

### 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		
02TFX#553	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#557	N/A	30 TAC Chapter 115, Storage of VOCs	Storage containers which have a capacity of no more than 1,000 gallons are exempt from the requirements of this division
02TFX#557	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons
02TFX#557	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#558	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC
02TFX#558	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
02TFX#558	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#569	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons
02TFX#569	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#571	N/A	30 TAC Chapter 115, Storage of VOCs	Storage containers which have a capacity of no more than 1,000 gallons are exempt from the requirements of this division
02TFX#571	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons
02TFX#571	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#588	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons
02TFX#588	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#597	N/A	30 TAC Chapter 115, Storage of VOCs	Storage containers which have a capacity of no more than 1,000 gallons are exempt from the requirements of this division.
02TFX#597	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons

### Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
02TFX#597	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#598	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons
02TFX#598	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#599	N/A	30 TAC Chapter 115, Storage of VOCs	Storage containers which have a capacity of no more than 1,000 gallons are exempt from the requirements of this division
02TFX#599	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons
02TFX#599	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#6012	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC
02TFX#6012	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
02TFX#6012	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#6218	N/A	30 TAC Chapter 115, Storage of VOCs	Storage containers which have a capacity of no more than 1,000 gallons are exempt from the requirements of this division
02TFX#6218	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons
02TFX#6218	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#6315	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC
02TFX#6315	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
02TFX#6315	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#6316	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC.
02TFX#6316	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
02TFX#6316	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids

### 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		
02TFX#6321	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC
02TFX#6321	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
02TFX#6321	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#6322	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC
02TFX#6322	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
02TFX#6322	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#6323	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC
02TFX#6323	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
02TFX#6323	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TFX#T516	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC
02TFX#T516	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
02TFX#T516	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TOT#131	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC
02TOT#131	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
02TOT#131	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TOT#508	N/A	30 TAC Chapter 115, Storage of VOCs	Storage containers which have a capacity of no more than 1,000 gallons are exempt from the requirements of this division
02TOT#508	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons
02TOT#508	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids

### 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		
02TOT#514	N/A	30 TAC Chapter 115, Storage of VOCs	Storage containers which have a capacity of no more than 1,000 gallons are exempt from the requirements of this division.
02TOT#514	N/A	40 CFR Part 60, Subpart Kb	Capacity < 75 cubic meters.
02TOT#514	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids.
02TOT#541	N/A	30 TAC Chapter 115, Storage of VOCs	Storage containers which have a capacity of no more than 1,000 gallons are exempt from the requirements of this division
02TOT#541	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons
02TOT#541	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TOT#6544	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons
02TOT#6544	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TOT#6625	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC
02TOT#6625	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
02TOT#6625	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TOT#6628	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons
02TOT#6628	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TOT#6629	N/A	40 CFR Part 60, Subpart Kb	Capacity < 19,800 gallons
02TOT#6629	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
02TOX#6240	N/A	30 TAC Chapter 117, Subchapter B	Flares, incinerators, fume abaters, pulping liquor recovery furnaces, sulfur recovery units, sulfuric acid regeneration units, and sulfur plant reaction boilers are exempt

### 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		
02TOX#6240	N/A	40 CFR Part 63, Subpart DDDDD	Not an affected source. Unit is a control device that does not produce steam. Does not meet the definition of a boiler or process heater.
03FUG#001	N/A	40 CFR Part 60, Subpart VV	Equipment to which applies 40 CFR Part 63, Subpart H, applies that are also subject to 40 CFR Part 60 shall be required to comply with the provisions of 40 CFR Part 63 after the compliance dates of Subpart H
03FUG#001	N/A	40 CFR Part 61, Subpart J	Equipment to which applies 40 CFR Part 63 Subpart H, applies that are also subject to 40 CFR Part 61 shall be required to comply only with the provisions of 40 CFR Part 63 after the compliance dates of Subpart H
03FUG#001	N/A	40 CFR Part 61, Subpart V	Equipment to which applies 40 CFR Part 63 Subpart H, applies that are also subject to 40 CFR Part 61 shall be required to comply only with the provisions of 40 CFR Part 63 after the compliance dates of Subpart H
03RXT#8400	N/A	40 CFR Part 60, Subpart NNN	Rule overlap. Complies with 40 CFR Part 63 Subpart F
03RXT#8400	N/A	40 CFR Part 60, Subpart RRR	Rule overlap. Complies with 40 CFR Part 63 Subpart F
03RXT#8401	N/A	40 CFR Part 60, Subpart NNN	Rule overlap. Complies with 40 CFR Part 63 Subpart F
03RXT#8401	N/A	40 CFR Part 60, Subpart RRR	Rule overlap. Complies with 40 CFR Part 63 Subpart F



### 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		
03SEP#8413	N/A	40 CFR Part 60, Subpart NNN	Rule overlap. Complies with 40 CFR Part 63 Subpart F
03SEP#8413	N/A	40 CFR Part 60, Subpart RRR	Rule overlap. Complies with 40 CFR Part 63 Subpart F
03TIF#019	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
03TVD#8402	N/A	40 CFR Part 60, Subpart NNN	Rule overlap. Complies with 40 CFR Part 63 Subpart F
03TVD#8402	N/A	40 CFR Part 60, Subpart RRR	Rule overlap. Complies with 40 CFR Part 63 Subpart F
03TVD#8403	N/A	40 CFR Part 60, Subpart NNN	Rule overlap. Complies with 40 CFR Part 63 Subpart F
03TVD#8403	N/A	40 CFR Part 60, Subpart RRR	Rule overlap. Complies with 40 CFR Part 63 Subpart F
04CTL#001	N/A	40 CFR Part 63, Subpart Q	Not operated with chromium-based water treatment chemicals on or after 9/4/94
04CVS#033	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	PRVs vent to a closed vent system and control device
04CVS#034	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	PRVs vent to a closed vent system and control device
04ENG#001	N/A	30 TAC Chapter 117, Subchapter B	Diesel engines in BPA are exempt.
04FUG#001	N/A	40 CFR Part 60, Subpart VV	Rule overlap. Fugitive equipment complies with 40 CFR Part 60, Subpart YY

### 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		
04FUG#003	N/A	40 CFR Part 60, Subpart DDD	Facility is not an affected facility involved in the manufacture of polypropylene, polyethylene, polystyrene, or poly(ethylene terephthalate)
04HTR#201	N/A	30 TAC Chapter 117, Subchapter B	Commercial, institutional, or industrial boiler or process heater with max. rated capacity < 40 MMBtu/hr
04HTR#401	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn solid fossil fuel
04HTR#401	N/A	30 TAC Chapter 117, Subchapter B	Commercial, institutional, or industrial boiler or process heater with max. rated capacity < 40 MMBtu/hr
04HTR#403	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn solid fossil fuel
04HTR#403	N/A	30 TAC Chapter 117, Subchapter B	Commercial, institutional, or industrial boiler or process heater with max. rated capacity < 40 MMBtu/hr
04HTR_201	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
04HTR_201	N/A	40 CFR Part 63, Subpart YY	Heater stack, does not meet the definition of a process vent

### 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		
04HTR_401	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
04HTR_401	N/A	40 CFR Part 63, Subpart YY	Heater stack, does not meet the definition of a process vent
04HTR_403	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
04HTR_403	N/A	40 CFR Part 63, Subpart YY	Heater stack, does not meet the definition of a process vent
04RXT#409A	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. No venting to the atmosphere directly or through a control device.
04RXT#409B	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. No venting to the atmosphere directly or through a control device.
04RXT#409C	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. No venting to the atmosphere directly or through a control device.

### 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		
04RXT#413A	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. No venting to the atmosphere directly or through a control device.
04RXT#413B	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. No venting to the atmosphere directly or through a control device.
04RXT#413C	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. No venting to the atmosphere directly or through a control device.
04RXT#454	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. No venting to the atmosphere directly or through a control device.
04RXT#455	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. No venting to the atmosphere directly or through a control device.
04TFX#001	N/A	30 TAC Chapter 115, Storage of VOCs	Storage capacity < 1,000 gallons
04TFX#001	N/A	40 CFR Part 60, Subpart Kb	Storage vessel with a design capacity less than or equal to 75 cubic meters (19,800 gallons).
04TFX#001	N/A	40 CFR Part 63, Subpart EEEE	Does not meet the definition of a storage tank since the tank is portable.
04TFX#010	N/A	40 CFR Part 60, Subpart Kb	Storage vessel with a design capacity less than or equal to 75 cubic meters (19,800 gallons)
04TFX#010	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Storage vessel complies with 40 CFR Part 63 Subpart YY

### 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		
04TFX#012	N/A	40 CFR Part 60, Subpart Kb	Constructed/modified prior to 7/23/84
04TFX#012	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Storage vessel complies with 40 CFR Part 63 Subpart YY
04TFX#304	N/A	40 CFR Part 60, Subpart Kb	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
04TFX#304	N/A	40 CFR Part 63, Subpart EEEE	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
04TFX#305A	N/A	40 CFR Part 60, Subpart Kb	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
04TFX#305A	N/A	40 CFR Part 63, Subpart EEEE	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
04TFX#305A	N/A	40 CFR Part 63, Subpart YY	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
04TFX#305B	N/A	40 CFR Part 60, Subpart Kb	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
04TFX#305B	N/A	40 CFR Part 63, Subpart EEEE	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere

### Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
04TFX#305B	N/A	40 CFR Part 63, Subpart YY	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
04TFX#3269	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity less than 1,000 gallons
04TFX#3269	N/A	40 CFR Part 60, Subpart Kb	Storage vessel with a design capacity less than or equal to 75 cubic meters (19,800 gallons)
04TFX#3269	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart YY
04TPR#004	N/A	40 CFR Part 60, Subpart Kb	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
04TPR#004	N/A	40 CFR Part 63, Subpart YY	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
04TVD#1212	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
04TVD#202	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
04TVD#2404	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.

### 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		
04TVD#2407	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
04TVD#3001	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
04TVD#3006	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
04TVD#3910	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
04TVD#403	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
04TVD#404	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
04TVD#405	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
04TVD#405A	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.

### 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		
04TVD#406	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
04TVD#4410	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
04TVD#4420	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
04TVD#4450	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
04TVD#4460	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
04TVD#4480	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
04TVD#448A	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
04TVD#448B	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.



### 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		
04TVD#449A	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
04TVD#449B	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
04TVD#4740	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
04VNT_103	N/A	40 CFR Part 60, Subpart RRR	Batch vent only vents during regeneration
04VNT_103	N/A	40 CFR Part 63, Subpart YY	Ethylene process vents do not include episodic or nonroutine releases
04VSL#213	N/A	40 CFR Part 60, Subpart Kb	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
04VSL#213	N/A	40 CFR Part 63, Subpart EEEE	Pressure vessels designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
04VSL#213	N/A	40 CFR Part 63, Subpart YY	Pressure vessels designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
05DEG#001	N/A	40 CFR Part 63, Subpart T	Degreaser is not operated with halogenated HAP solvent

### 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		
05FUG#001	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not a petroleum refinery; a synthetic organic chemical, polymer, resin, or methyl tert-butyl ether manufacturing process; or a natural gas/gasoline processing operation as defined in §115.10
05FUG#001	N/A	40 CFR Part 60, Subpart VV	Facility does not produce as an intermediate or final product, one or more of the chemicals listed in § 60.489
05FUG#002	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not a petroleum refinery; a synthetic organic chemical, polymer, resin, or methyl tert-butyl ether manufacturing process; or a natural gas/gasoline processing operation as defined in §115.10
05FUG#002	N/A	40 CFR Part 60, Subpart VV	Facility does not produce as an intermediate or final product, one or more of the chemicals listed in § 60.489
05TCS#614	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 cubic meters
05TCS#614	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
05TFX#102	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 cubic meters
05TFX#102	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
05TFX#411	N/A	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids
05TFX#411	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
05TFX#415	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 151 cubic meters and maximum true vapor pressure is less than 15.0 kPa

### 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		
05TFX#415	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
05TFX#430	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
05TFX#430	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
05TFX#442	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 151 cubic meters and maximum true vapor pressure is less than 15.0 kPa
05TFX#442	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
05TFX#606	N/A	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids
05TFX#606	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
05TFX#611	N/A	40 CFR Part 60, Subpart Kb	Capacity greater than 151 cubic meters and maximum true vapor pressure is less than 3.5 kPa
05TFX#611	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
06DEG#001	N/A	30 TAC Chapter 115, Degreasing Processes	Site located in BPA area and is a remote reservoir cold cleaner with TVP less than or equal to 0.6 psia @100 degrees F with a drain area < 16 sq. inches and waste solvent is disposed of in enclosed containers
06DEG#002	N/A	30 TAC Chapter 115, Degreasing Processes	Site located in BPA area and is a remote reservoir cold cleaner with TVP less than or equal to 0.6 psia @100 degrees F with a drain area < 16 sq. inches and waste solvent is disposed of in enclosed containers
06TFX#050	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store volatile organic compound (VOC)

### Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
06TFX#050	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store volatile organic liquid (VOL)
06TFX#050	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
06TFX#050	N/A	40 CFR Part 63, Subpart YY	Equipment that is located within an ethylene production unit that is subject to this subpart but does not contain organic HAP
06TFX#076	N/A	40 CFR Part 60, Subpart K	Constructed/modified prior to 6/11/73
06TFX#076	N/A	40 CFR Part 61, Subpart FF	FF not applicable if treated as Group 1 HON wastewater
06TFX#076	N/A	40 CFR Part 61, Subpart Y	Does not store benzene with a specific gravity specified in 61.270(a)
06TFX#080	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store volatile organic compound (VOC)
06TFX#080	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store volatile organic liquid (VOL)
06TFX#080	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
06TFX#080	N/A	40 CFR Part 63, Subpart YY	Equipment that is located within an ethylene production unit that is subject but does not contain organic HAP
06TFX#4051	N/A	40 CFR Part 60, Subpart Kb	Storage vessel with a design capacity less than or equal to 75 cubic meters (19,800 gallons)
06TFX#4051	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids

### 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		
06TFX#4051	N/A	40 CFR Part 63, Subpart YY	Equipment that is located within an ethylene production unit that is subject to this subpart but does not contain organic HAP
06TFX#4052	N/A	40 CFR Part 60, Subpart Kb	Storage vessel with a design capacity less than or equal to 75 cubic meters (19,800 gallons)
06TFX#4052	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
06TFX#4052	N/A	40 CFR Part 63, Subpart YY	Equipment that is located within an ethylene production unit that is subject to this subpart but does not contain organic HAP
06TPR#003	N/A	40 CFR Part 60, Subpart Kb	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
06TPR#003	N/A	40 CFR Part 63, Subpart EEEE	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
06TPR#003	N/A	40 CFR Part 63, Subpart YY	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
06TPR#005	N/A	40 CFR Part 60, Subpart Kb	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
06TPR#005	N/A	40 CFR Part 63, Subpart EEEE	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere

### Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
06TPR#005	N/A	40 CFR Part 63, Subpart YY	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
06TPR#006	N/A	40 CFR Part 60, Subpart Kb	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
06TPR#006	N/A	40 CFR Part 63, Subpart EEEE	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
06TPR#006	N/A	40 CFR Part 63, Subpart YY	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
06TPR#009	N/A	40 CFR Part 60, Subpart Kb	Storage vessel with a design capacity less than or equal to 75 cubic meters (19,800 gallons)
06TPR#009	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
06TPR#009	N/A	40 CFR Part 63, Subpart YY	Equipment that is located within an ethylene production unit that is subject to the subpart but does not contain organic HAP
06TPR#026	N/A	40 CFR Part 60, Subpart Kb	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
06TPR#026	N/A	40 CFR Part 63, Subpart EEEE	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere

### Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
06TPR#026	N/A	40 CFR Part 63, Subpart YY	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
06TPR#027	N/A	40 CFR Part 60, Subpart Kb	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
06TPR#027	N/A	40 CFR Part 63, Subpart EEEE	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
06TPR#027	N/A	40 CFR Part 63, Subpart YY	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
06TPR#028	N/A	40 CFR Part 60, Subpart Kb	Constructed/modified prior to 7/23/84
06TPR#028	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Storage vessel complies with 40 CFR Part 63 Subpart YY
06TPR#029	N/A	40 CFR Part 60, Subpart Kb	Constructed/modified prior to 7/23/84
06TPR#029	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Storage vessel complies with 40 CFR Part 63 Subpart YY
06TPR#030	N/A	40 CFR Part 60, Subpart Kb	Constructed/modified prior to 7/23/84
06TPR#030	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Storage vessel complies with 40 CFR Part 63 Subpart YY
06TPR#049	N/A	40 CFR Part 60, Subpart Kb	Constructed/modified prior to 7/23/84
06TPR#049	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Storage vessel complies with 40 CFR Part 63 Subpart YY

### 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		
06TPR#063	N/A	40 CFR Part 60, Subpart Kb	Constructed/modified prior to 7/23/84
06TPR#063	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart YY
06TPR#064	N/A	40 CFR Part 60, Subpart Kb	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
06TPR#064	N/A	40 CFR Part 63, Subpart EEEE	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
06TPR#064	N/A	40 CFR Part 63, Subpart YY	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
06TPR#065	N/A	40 CFR Part 60, Subpart Kb	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
06TPR#065	N/A	40 CFR Part 63, Subpart EEEE	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
06TPR#065	N/A	40 CFR Part 63, Subpart YY	Pressure vessels is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
06TSP#001	N/A	40 CFR Part 60, Subpart Kb	Pre 7/23/84
06TSP#001	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart YY
06TSP#002	N/A	40 CFR Part 60, Subpart Kb	Pre 7/23/84



### 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		
06TSP#002	N/A	40 CFR Part 63, Subpart EEEE	Pressure vessel is designed to operate in excess of 204.9 kPa and without emissions to the atmosphere.
06TSP#002	N/A	40 CFR Part 63, Subpart YY	Pressure vessel. Designed to operate in excess of 204.9 kPa and without emissions to the atmosphere
06WWT#105	N/A	30 TAC Chapter 115, Industrial Wastewater	Stream does not meet the definition of an affected VOC wastewater stream because VOC concentration is less than 10,000 ppmw or less than 1,000 ppmw with a flowrate greater than or equal to 10 liters/minute
07CTL#001	N/A	40 CFR Part 63, Subpart Q	Not operated with chromium-based water treatment chemicals
07CTL#002	N/A	40 CFR Part 63, Subpart Q	Not operated with chromium-based water treatment chemicals
07DTC_7103	N/A	40 CFR Part 60, Subpart Kb	True vapor pressure is less than 3.5 kPa (0.5 psia)
07DTC_7103	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids.
07DTC_7103	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07FUG#001	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not a petroleum refinery; a synthetic organic chemical, polymer, resin, or methyl tert-butyl ether manufacturing process; or a natural gas/gasoline processing operation as defined in §115.10

### 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		
07FUG#001	N/A	40 CFR Part 60, Subpart VV	Facility does not produce as an intermediate or final product, one or more of the chemicals listed in §60.489
07FUG#002	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not a petroleum refinery; a synthetic organic chemical, polymer, resin, or methyl tert-butyl ether manufacturing process; or a natural gas/gasoline processing operation as defined in §115.10
07FUG#002	N/A	40 CFR Part 60, Subpart VV	Facility does not produce as an intermediate or final product, one or more of the chemicals listed in §60.489
07FUG#002	N/A	40 CFR Part 63, Subpart FFFF	Fugitive equipment is not in organic HAP or hydrogen halide and halogen HAP service
07FUG#003	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Facility is not a petroleum refinery; a synthetic organic chemical, polymer, resin, or methyl tert-butyl ether manufacturing process; or a natural gas/gasoline processing operation as defined in §115.10
07FUG#003	N/A	40 CFR Part 60, Subpart VV	Facility does not produce as an intermediate or final product, one or more of the chemicals listed in §60.489
07FUG#003	N/A	40 CFR Part 63, Subpart FFFF	Fugitive equipment is not in organic HAP or hydrogen halide and halogen HAP service
07HTR#7701	N/A	30 TAC Chapter 117, Subchapter B	CI&I boiler or process heater with MRC < 40 MMBtu/hr

### 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		
07HTR#7708	N/A	30 TAC Chapter 117, Subchapter B	CI&I boiler or process heater with MRC < 40 MMBtu/hr
07SCB#207	N/A	40 CFR Part 63, Subpart FFFF	Is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#107R	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 cubic meters
07TFX#107R	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#107R	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#113	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 cubic meters
07TFX#113	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#113	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#115R	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 cubic meters
07TFX#115R	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#115R	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#137R	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 cubic meters
07TFX#137R	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#137R	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#180	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 cubic meters
07TFX#180	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids

### 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		
07TFX#180	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#401	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 cubic meters
07TFX#401	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#401	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide or halogen HAP service
07TFX#408	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC
07TFX#408	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
07TFX#408	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#408	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#425	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
07TFX#425	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#425	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#426	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
07TFX#426	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#426	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#428	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
07TFX#428	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids

### 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		
07TFX#428	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#431	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
07TFX#431	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#431	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#432	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
07TFX#432	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#432	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#433	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
07TFX#433	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#433	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#434	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
07TFX#434	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#434	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#435	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
07TFX#435	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#435	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service

### 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		
07TFX#436	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
07TFX#436	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#436	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#443	N/A	40 CFR Part 60, Subpart Kb	Capacity greater than or equal to 151 cubic meters and maximum true vapor pressure less than 3.5 kPa
07TFX#443	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#443	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#444	N/A	40 CFR Part 60, Subpart Kb	Capacity greater than or equal to 151 cubic meters and maximum true vapor pressure less than 3.5 kPa.
07TFX#444	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#444	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#445	N/A	40 CFR Part 60, Subpart Kb	Capacity greater than or equal to 151 cubic meters and maximum true vapor pressure less than 3.5 kPa
07TFX#445	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#445	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#446	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 cubic meters

### 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		
07TFX#446	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR 63 Subpart FFFF (MON)
07TFX#447	N/A	40 CFR Part 60, Subpart Kb	Capacity greater than or equal to 151 cubic meters and maximum true vapor pressure less than 3.5 kPa
07TFX#447	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#447	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#448	N/A	40 CFR Part 60, Subpart Kb	True vapor pressure is less than 3.5 kPa (0.5 psia)
07TFX#448	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids.
07TFX#448	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#521	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 cubic meters
07TFX#521	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#521	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#527	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#527	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#600	N/A	40 CFR Part 60, Subpart Kb	True vapor pressure is less than 3.5 kPa (0.5 psia)
07TFX#600	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids.

### 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		
07TFX#600	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#601R	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 cubic meters
07TFX#601R	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#601R	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#602	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
07TFX#602	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#602	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#603R	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 cubic meters
07TFX#603R	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#603R	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#604	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
07TFX#604	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#604	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#605	N/A	40 CFR Part 60, Subpart Kb	True vapor pressure is less than 3.5 kPa (0.5 psia)
07TFX#605	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids.
07TFX#605	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service



### 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		
07TFX#607	N/A	40 CFR Part 60, Subpart Kb	True vapor pressure is less than 3.5 kPa (0.5 psia)
07TFX#607	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids.
07TFX#607	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#615	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 cubic meters
07TFX#625	N/A	40 CFR Part 63, Subpart FFFF	Is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#7129	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 151 cubic meters and maximum true vapor pressure less than 15.0 kPa
07TFX#7129	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#7129	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#7598	N/A	40 CFR Part 60, Subpart Kb	Capacity greater than 151 cubic meters and maximum true vapor pressure less than 3.5 kPa
07TFX#7598	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#7598	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#7599	N/A	40 CFR Part 60, Subpart Kb	Capacity greater than 151 cubic meters and maximum true vapor pressure less than 3.5 kPa
07TFX#7599	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids

### 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		
07TFX#7599	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#7600	N/A	40 CFR Part 60, Subpart Kb	Capacity greater than 151 cubic meters and maximum true vapor pressure less than 3.5 kPa
07TFX#7600	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#7600	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#7701	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 75 cubic meters
07TFX#7701	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#7701	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#7801	N/A	40 CFR Part 60, Subpart Kb	Capacity greater than or equal to 151 cubic meters and maximum true vapor pressure less than 3.5 kPa
07TFX#7801	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#7801	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TFX#8061	N/A	40 CFR Part 60, Subpart Kb	Capacity less than 151 cubic meters and maximum true vapor pressure less than 15.0 kPa
07TFX#8061	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TFX#8061	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service

### 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		
07TFX#T504	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC
07TFX#T504	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
07TFX#T504	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TIF#7502	N/A	40 CFR Part 60, Subpart Kb	Capacity greater than or equal to 151 cubic meters and maximum true vapor pressure less than 3.5 kPa
07TIF#7502	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TIF#7502	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TIF#7800	N/A	40 CFR Part 60, Subpart Kb	Capacity greater than or equal to 151 cubic meters and maximum true vapor pressure less than 3.5 kPa
07TIF#7800	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
07TIF#7800	N/A	40 CFR Part 63, Subpart FFFF	Tank is not in organic HAP or hydrogen halide and halogen HAP service
07TOT#103	N/A	40 CFR Part 63, Subpart FFFF	Is not in organic HAP or hydrogen halide and halogen HAP service
07TOT#148	N/A	40 CFR Part 63, Subpart FFFF	Is not in organic HAP or hydrogen halide and halogen HAP service
07TOT#149	N/A	40 CFR Part 63, Subpart FFFF	Is not in organic HAP or hydrogen halide and halogen HAP service
07TOT#151	N/A	40 CFR Part 63, Subpart FFFF	Is not in organic HAP or hydrogen halide and halogen HAP service

### 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		
07TOT#232	N/A	30 TAC Chapter 115, Vent Gas Controls	Vessel does not vent under normal operations. Does not meet the definition of a vent
07TOT#232	N/A	40 CFR Part 63, Subpart FFFF	Is not in organic HAP or hydrogen halide and halogen HAP service
07TOT#7570	N/A	40 CFR Part 63, Subpart FFFF	Is not in organic HAP or hydrogen halide and halogen HAP service
08BLR#9201	N/A	30 TAC Chapter 112, Sulfur Compounds	Is not a liquid fuel fired steam generator / heater / furnace
08BLR#9201	N/A	30 TAC Chapter 117, Subchapter B	Unit placed into service after June 9, 1993, before the final compliance date in §117.9000, and not a functionally identical replacement
08BLR#9400	N/A	30 TAC Chapter 112, Sulfur Compounds	Is not a liquid fuel fired steam generator / heater / furnace
08BLR#9400	N/A	30 TAC Chapter 117, Subchapter B	Unit placed into service after June 9, 1993, before the final compliance date in §117.9000, and not a functionally identical replacement
08BLR#9401	N/A	30 TAC Chapter 112, Sulfur Compounds	Is not a liquid fuel fired steam generator / heater / furnace
08BLR#9401	N/A	30 TAC Chapter 117, Subchapter B	Unit placed into service after June 9, 1993, before the final compliance date in §117.9000, and not a functionally identical replacement
08BLR#9402	N/A	30 TAC Chapter 112, Sulfur Compounds	Is not a liquid fuel fired steam generator / heater / furnace

### 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		
08BLR#9402	N/A	30 TAC Chapter 117, Subchapter B	Unit placed into service after June 9, 1993, before the final compliance date in §117.9000, and not a functionally identical replacement
08BLR_9201	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
08BLR_9400	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
08BLR_9401	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
08BLR_9402	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source

### 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		
08CTL#9601	N/A	40 CFR Part 63, Subpart Q	Not operated with chromium-based water treatment chemicals on or after 9/8/94
08ENG#001	N/A	30 TAC Chapter 117, Subchapter B	Stationary diesel engines in BPA are exempt
08FUG#001	N/A	40 CFR Part 60, Subpart DDD	Facility is not an affected facility involved in the manufacture of propylene, polyethylene, polystyrene, or poly(ethylene terephthalate)
08FUG#001	N/A	40 CFR Part 60, Subpart VV	Equipment to which applies 40 CFR Part 63 Subpart H, applies that are also subject to 40 CFR Part 60 shall be required to comply with the provisions of 40 CFR Part 63 after the compliance dates of Subpart H
08FUG#001	N/A	40 CFR Part 61, Subpart J	Equipment to which applies 40 CFR Part 63 Subpart H, applies that are also subject to 40 CFR Part 61 shall be required to comply only with the provisions of 40 CFR Part 63 after the compliance dates of Subpart H
08FUG#001	N/A	40 CFR Part 61, Subpart V	Equipment to which applies 40 CFR Part 63 Subpart H, applies that are also subject to 40 CFR Part 61 shall be required to comply only with the provisions of 40 CFR Part 63 after the compliance dates of Subpart H
08HTR#9301	N/A	30 TAC Chapter 112, Sulfur Compounds	Is not a liquid fired steam generator / heater / furnace
08HTR#9301	N/A	30 TAC Chapter 117, Subchapter B	Unit placed into service after June 9, 1993, before the final compliance date in §117.9000, and not a functionally identical replacement

### 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		
08HTR_9301	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
08LWF#001	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Marine terminal in BPA
08LWF#9602	N/A	30 TAC Chapter 111, Incineration	Does not burn municipal, commercial, or industrial solid waste
08LWF#9602	N/A	30 TAC Chapter 117, Subchapter B	Incinerators are exempt
08LWF#9602	N/A	40 CFR Part 63, Subpart DDDDD	Not an affected source. Unit is a control device that does not produce steam. Does not meet the definition of a boiler or process heater.
08RXT#9301	N/A	40 CFR Part 60, Subpart NNN	Superseded by HON
08RXT#9301	N/A	40 CFR Part 60, Subpart RRR	Superseded by HON
08SEP#9302	N/A	40 CFR Part 60, Subpart NNN	Rule overlap. Complies with 40 CFR Part 63 Subpart G
08SEP#9302	N/A	40 CFR Part 60, Subpart RRR	Rule overlap. Complies with 40 CFR Part 63 Subpart G
08TFX#037	N/A	40 CFR Part 60, Subpart K	Unit constructed/modified on or before June 11, 1973
08TFX#037	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart G

### 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		
08TFX#038	N/A	40 CFR Part 60, Subpart K	Unit constructed/modified on or before June 11, 1973
08TFX#038	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart G
08TFX#9601	N/A	40 CFR Part 60, Subpart Kb	Group 1 or Group 2 storage vessels that are also subject to NSPS Kb are only subject to HON
08TFX#9601	N/A	40 CFR Part 61, Subpart Y	Group 1 storage vessel that is also subject to the provisions of 40 CFR Part 61 Subpart Y is required to comply only with the provisions of the HON
08TFX#9601	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart G
08TFX#9602	N/A	40 CFR Part 60, Subpart Kb	Group 1 or Group 2 storage vessels that are also subject to NSPS Kb are only subject to HON
08TFX#9602	N/A	40 CFR Part 61, Subpart Y	Group 1 storage vessel that is also subject to the provisions of 40 CFR Part 61 Subpart Y is required to comply only with the provisions of HON
08TFX#9602	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart G
08TFX#9607	N/A	40 CFR Part 60, Subpart Kb	Group 1 or Group 2 storage vessels that are also subject to NSPS Kb are only subject to HON



### 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		
08TFX#9607	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart G
08TFX#9608	N/A	40 CFR Part 60, Subpart Kb	Group 1 or Group 2 storage vessels that are also subject to NSPS Kb are only subject to HON
08TFX#9608	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart G
08TFX#9609	N/A	40 CFR Part 60, Subpart Kb	Group 1 or Group 2 storage vessels that are also subject to NSPS Kb are only subject to HON
08TFX#9609	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart G
08TFX#9610	N/A	40 CFR Part 60, Subpart Kb	Group 1 or Group 2 storage vessels that are also subject to NSPS Kb
08TFX#9610	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart G
08TIF#032	N/A	40 CFR Part 60, Subpart Kb	Group 1 and Group 2 storage vessels that are also subject to NSPS Kb are only subject to HON storage tank requirements
08TIF#032	N/A	40 CFR Part 61, Subpart Y	Group 1 storage vessel that is also subject to the provisions of 40 CFR Part 61 Subpart Y is required to comply only with the provisions of HON
08TIF#032	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart G

### 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		
08TIF#9620	N/A	40 CFR Part 60, Subpart Kb	Group 1 or Group 2 storage vessels that are also subject to NSPS Kb are only subject to HON
08TIF#9620	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart G
08TVD#9203	N/A	40 CFR Part 60, Subpart NNN	Rule overlap. Complies with 40 CFR Part 63 Subpart G
08TVD#9203	N/A	40 CFR Part 60, Subpart RRR	Rule overlap. Complies with 40 CFR Part 63 Subpart G
08TVD#9404	N/A	40 CFR Part 60, Subpart NNN	Rule overlap. Complies with 40 CFR Part 63 Subpart F
08TVD#9404	N/A	40 CFR Part 60, Subpart RRR	Rule overlap. Complies with 40 CFR Part 63 Subpart F
08TVD#9405	N/A	40 CFR Part 60, Subpart NNN	Rule overlap. Complies with 40 CFR Part 63 Subpart G
08TVD#9405	N/A	40 CFR Part 60, Subpart RRR	Rule overlap. Complies with 40 CFR Part 63 Subpart G
08TVD#9406	N/A	40 CFR Part 60, Subpart NNN	Superseded by HON
08TVD#9406	N/A	40 CFR Part 60, Subpart RRR	Superseded by HON
08TVD#9407	N/A	40 CFR Part 60, Subpart NNN	Superseded by HON
08TVD#9407	N/A	40 CFR Part 60, Subpart RRR	Superseded by HON
08VSL#9300	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. Not a distillation unit
08VSL#9300	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. Not a reactor process

### 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		
08VSL#9411	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. Not a distillation unit
08VSL#9411	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. Not a reactor process
08VSL#9501	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. Not a distillation unit
08VSL#9501	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. Not a reactor process
08VSL#9502	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. Not a distillation unit
08VSL#9502	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. Not a reactor process
08VSL#9503	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. Not a distillation unit
08VSL#9503	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. Not a reactor process
08VSL#9504	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. Not a distillation unit
08VSL#9504	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. Not a reactor process
08VSL#9505	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. Not a distillation unit
08VSL#9505	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. Not a reactor process
08VSL#9512	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. Not a distillation unit
08VSL#9512	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. Not a reactor process
08VSL#9513	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. Not a distillation unit
08VSL#9513	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. Not a reactor process
08VSL#9520	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. Not a distillation unit
08VSL#9520	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. Not a reactor process
08VSL#L501	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. Not a distillation unit
08VSL#L501	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. Not a reactor process

### 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		
08VSL#L502	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. Not a distillation unit
08VSL#L502	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. Not a reactor process
08VSL#L503	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. Not a distillation unit
08VSL#L503	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. Not a reactor process
08VSL#L504	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. Not a distillation unit
08VSL#L504	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. Not a reactor process
08VSL#L505	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. Not a distillation unit
08VSL#L505	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. Not a reactor process
09CTL#003	N/A	40 CFR Part 63, Subpart Q	Not operated with chromium-based water treatment chemicals on or after 9/4/94
09CVS#031	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	PRVs vent to a closed vent system and control device
09FRN#210A	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn solid fossil fuel
09FRN#210A	N/A	40 CFR Part 60, Subpart RRR	Constructed prior to June 29, 1990
09FRN#210A	N/A	40 CFR Part 63, Subpart DDDDD	Unit is an ethylene cracking furnace subject to 40 CFR Part 63, Subpart YY.
09FRN#210B	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn solid fossil fuel
09FRN#210B	N/A	40 CFR Part 60, Subpart RRR	Constructed prior to June 29, 1990
09FRN#210B	N/A	40 CFR Part 63, Subpart DDDDD	Unit is an ethylene cracking furnace subject to 40 CFR Part 63, Subpart YY.
09FRN#210C	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn solid fossil fuel
09FRN#210C	N/A	40 CFR Part 60, Subpart RRR	Constructed prior to June 29, 1990

### 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		
09FRN#210C	N/A	40 CFR Part 63, Subpart DDDDD	Unit is an ethylene cracking furnace subject to 40 CFR Part 63, Subpart YY.
09FRN#210D	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn solid fossil fuel
09FRN#210D	N/A	40 CFR Part 60, Subpart RRR	Constructed prior to June 29, 1990
09FRN#210D	N/A	40 CFR Part 63, Subpart DDDDD	Unit is an ethylene cracking furnace subject to 40 CFR Part 63, Subpart YY.
09FRN#210E	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn solid fossil fuel
09FRN#210E	N/A	40 CFR Part 60, Subpart RRR	Constructed prior to June 29, 1990
09FRN#210E	N/A	40 CFR Part 63, Subpart DDDDD	Unit is an ethylene cracking furnace subject to 40 CFR Part 63, Subpart YY.
09FRN#210F	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn solid fossil fuel
09FRN#210F	N/A	40 CFR Part 60, Subpart RRR	Constructed prior to June 29, 1990
09FRN#210F	N/A	40 CFR Part 63, Subpart DDDDD	Unit is an ethylene cracking furnace subject to 40 CFR Part 63, Subpart YY.
09FRN_210A	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originates from a non-combustion source
09FRN_210A	N/A	40 CFR Part 63, Subpart YY	Air emissions from all ethylene cracking furnaces, including emissions during decoking operations are exempt

### 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		
09FRN_210B	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originates from a non-combustion source
09FRN_210B	N/A	40 CFR Part 63, Subpart YY	Air emissions from all ethylene cracking furnaces, including emissions during decoking operations are exempt
09FRN_210C	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originates from a non-combustion source
09FRN_210C	N/A	40 CFR Part 63, Subpart YY	Air emissions from all ethylene cracking furnaces, including emissions during decoking operations are exempt
09FRN_210D	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originates from a non-combustion source
09FRN_210D	N/A	40 CFR Part 63, Subpart YY	Air emissions from all ethylene cracking furnaces, including emissions during decoking operations are exempt

### 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		
09FRN_210E	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originates from a non-combustion source
09FRN_210E	N/A	40 CFR Part 63, Subpart YY	Air emissions from all ethylene cracking furnaces, including emissions during decoking operations are exempt
09FRN_210F	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a vent which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
09FRN_210F	N/A	40 CFR Part 63, Subpart YY	Air emissions from all ethylene cracking furnaces, including emissions during decoking operations are exempt
09FUG#001	N/A	40 CFR Part 60, Subpart DDD	Facility is not an affected facility involved in the manufacture of polypropylene, polyethylene, polystyrene, or poly(ethylene terephthalate)
09TFX#072A	N/A	30 TAC Chapter 115, Storage of VOCs	Tank less than 1,000 gallons
09TFX#072A	N/A	40 CFR Part 60, Subpart Kb	Storage vessel with a design capacity less than or equal to 75 cubic meters (19,800 gallons)
09TFX#072A	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids

### 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		
09TFX#072A	N/A	40 CFR Part 63, Subpart YY	Equipment that is located within an ethylene production unit that is subject to this subpart but does not contain organic HAP
09TFX#2110	N/A	40 CFR Part 60, Subpart Kb	Storage vessel with a design capacity less than or equal to 75 cubic meters (19,800 gallons)
09TFX#2110	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
09TFX#2110	N/A	40 CFR Part 63, Subpart YY	Equipment that is located within an ethylene production unit that is subject to this subpart but does not contain organic HAP
09TVD#2102	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
09TVD#2104	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
09TVD#2105	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
09TVD#2201	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.



### 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		
09VNT_027	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
09VNT_027	N/A	40 CFR Part 63, Subpart YY	Air emissions from all ethylene cracking furnaces, including emissions during decoking operations are exempt
09VNT_030	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
09VNT_030	N/A	40 CFR Part 63, Subpart YY	Air emissions from all ethylene cracking furnaces, including emissions during decoking operations are exempt
10BLR#690A	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn liquid or solid fuel
10BLR#690A	N/A	40 CFR Part 60, Subpart D	Capacity < 250 MMBtu/hr
10BLR#690A	N/A	40 CFR Part 60, Subpart Db	Constructed/modified prior to 06/19/84
10BLR#690B	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn liquid or solid fuel
10BLR#690B	N/A	40 CFR Part 60, Subpart D	Capacity < 250 MMBtu/hr
10BLR#690B	N/A	40 CFR Part 60, Subpart Db	Constructed/modified prior to 06/19/84

### 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		
10BLR_6901	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
10BLR_6901	N/A	40 CFR Part 63, Subpart YY	Heater stack, does not meet the definition of a process vent
10CTL#004	N/A	40 CFR Part 63, Subpart Q	Not operated with chromium-based water treatment chemicals on or after 9/4/94
10CVS#032	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	PRVs vent to a closed vent system and control device
10ENG#113	N/A	30 TAC Chapter 117, Subchapter B	Stationary diesel engine in BPA nonattainment area are exempt
10ENG#116	N/A	30 TAC Chapter 117, Subchapter B	Stationary diesel engine in BPA nonattainment area are exempt
10FRN#610A	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn solid fossil fuel
10FRN#610A	N/A	40 CFR Part 60, Subpart RRR	Constructed prior to June 29, 1990
10FRN#610A	N/A	40 CFR Part 63, Subpart DDDDD	Unit is an ethylene cracking furnace subject to 40 CFR Part 63, Subpart YY.
10FRN#610B	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn solid fossil fuel
10FRN#610B	N/A	40 CFR Part 60, Subpart RRR	Constructed prior to June 29, 1990
10FRN#610B	N/A	40 CFR Part 63, Subpart DDDDD	Unit is an ethylene cracking furnace subject to 40 CFR Part 63, Subpart YY.

### 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		
10FRN#610C	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn solid fossil fuel
10FRN#610C	N/A	40 CFR Part 60, Subpart RRR	Constructed prior to June 19, 1990
10FRN#610C	N/A	40 CFR Part 63, Subpart DDDDD	Unit is an ethylene cracking furnace subject to 40 CFR Part 63, Subpart YY.
10FRN#610D	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn solid fossil fuel
10FRN#610D	N/A	40 CFR Part 60, Subpart RRR	Constructed prior to June 29, 1990
10FRN#610D	N/A	40 CFR Part 63, Subpart DDDDD	Unit is an ethylene cracking furnace subject to 40 CFR Part 63, Subpart YY.
10FRN#615A	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn solid fossil fuel
10FRN#615A	N/A	40 CFR Part 60, Subpart RRR	Constructed prior to June 29, 1990
10FRN#615A	N/A	40 CFR Part 63, Subpart DDDDD	Unit is an ethylene cracking furnace subject to 40 CFR Part 63, Subpart YY.
10FRN#615B	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn solid fossil fuel
10FRN#615B	N/A	40 CFR Part 60, Subpart RRR	Constructed prior to June 29, 1990
10FRN#615B	N/A	40 CFR Part 63, Subpart DDDDD	Unit is an ethylene cracking furnace subject to 40 CFR Part 63, Subpart YY.
10FRN#630A	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn solid fossil fuel
10FRN#630A	N/A	30 TAC Chapter 117, Subchapter B	Unit placed into service after June 9, 1993, before the final compliance date in §117.9000, and not a functionally identical replacement
10FRN#630A	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. No venting to the atmosphere directly or through a control device.

### 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		
10FRN#630A	N/A	40 CFR Part 63, Subpart DDDDD	Unit is an ethylene cracking furnace subject to 40 CFR Part 63, Subpart YY.
10FRN#630B	N/A	30 TAC Chapter 112, Sulfur Compounds	Does not burn solid fossil fuel
10FRN#630B	N/A	30 TAC Chapter 117, Subchapter B	Unit placed into service after June 9, 1993, before the final compliance date in §117.9000, and not a functionally identical replacement
10FRN#630B	N/A	40 CFR Part 60, Subpart RRR	Not an affected facility. No venting to the atmosphere directly or through a control device.
10FRN#630B	N/A	40 CFR Part 63, Subpart DDDDD	Unit is an ethylene cracking furnace subject to 40 CFR Part 63, Subpart YY.
10FRN_610A	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
10FRN_610A	N/A	40 CFR Part 63, Subpart YY	Heater stack, does not meet the definition of a process vent
10FRN_610B	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source

### 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		
10FRN_610B	N/A	40 CFR Part 63, Subpart YY	Heater stack, does not meet the definition of a process vent
10FRN_610C	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
10FRN_610C	N/A	40 CFR Part 63, Subpart YY	Heater stack, does not meet the definition of a process vent
10FRN_610D	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
10FRN_610D	N/A	40 CFR Part 63, Subpart YY	Heater stack, does not meet the definition of a process vent
10FRN_615A	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
10FRN_615A	N/A	40 CFR Part 63, Subpart YY	Heater stack, does not meet the definition of a process vent

### 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		
10FRN_615B	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
10FRN_615B	N/A	40 CFR Part 63, Subpart YY	Heater stack, does not meet the definition of a process vent
10FRN_630A	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
10FRN_630A	N/A	40 CFR Part 63, Subpart YY	Heater stack, does not meet the definition of a process vent
10FRN_630B	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
10FRN_630B	N/A	40 CFR Part 63, Subpart YY	Heater stack, does not meet the definition of a process vent
10FUG#001	N/A	40 CFR Part 60, Subpart DDD	Facility is not an affected facility involved in the manufacture of polypropylene, polyethylene, polystyrene, or poly(ethylene terephthalate)

### 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		
10SEP#6104	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
10TFX#6110	N/A	40 CFR Part 60, Subpart Kb	Storage vessel with a design capacity less than or equal to 75 cubic meters (19,800 gallons)
10TFX#6110	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
10TFX#6110	N/A	40 CFR Part 63, Subpart YY	Equipment that is located within an ethylene production unit that is subject to this subpart but does not contain organic HAP
10TVD#6102	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
10TVD#6104	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
10TVD#6105	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.
10TVD#6201	N/A	40 CFR Part 60, Subpart NNN	Not an affected facility. No venting to the atmosphere directly or through a control device.

### 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		
10VNT_023	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for an vent gas stream subject to vent gas control and which originated from a non-combustion source
10VNT_023	N/A	40 CFR Part 63, Subpart YY	Air emissions from all ethylene cracking furnaces, including emissions during decoking operations are exempt
10VNT_024	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for an vent gas stream subject to vent gas control and which originated from a non-combustion source
10VNT_024	N/A	40 CFR Part 63, Subpart YY	Air emissions from all ethylene cracking furnaces, including emissions during decoking operations are exempt
10VNT_025	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for an vent gas stream subject to vent gas control and which originated from a non-combustion source
10VNT_025	N/A	40 CFR Part 63, Subpart YY	Air emissions from all ethylene cracking furnaces, including emissions during decoking operations are exempt



### 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		
10VNT_6301	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for an vent gas stream subject to vent gas control and which originated from a non-combustion source
10VNT_6301	N/A	40 CFR Part 63, Subpart YY	Air emissions from all ethylene cracking furnaces, including emissions during decoking operations are exempt.
11CAS#043	N/A	40 CFR Part 61, Subpart FF	FF not applicable if treated as Group 1 HON wastewater
11CVS#041	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	PRVs vent to a closed vent system and control device
11CVS#042	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	PRVs vent to a closed vent system and control device
11CVS#043	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	PRVs vent to a closed vent system and control device
11CVS#043	N/A	40 CFR Part 63, Subpart YY	Closed vent system does not convey emissions from an affected MACT YY source.
11CVS#9601	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	PRVs vent to a closed vent system and control device
11CVS#9603	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	PRVs vent to a closed vent system and control device
11CVS#9604	N/A	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	PRVs vent to a closed vent system and control device

### 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		
11ENG#001	N/A	40 CFR Part 63, Subpart ZZZZ	Existing emergency stationary RICE greater than 500 hp at a major source of HAPs and not contractually obligated to be available for the purposes of 63.6640(f)(2)(ii) or (iii).
11ENG#001	N/A	40 CFR Part 60, Subpart IIII	Engine was manufactured prior to April 1, 2006.
11ENG#001	N/A	30 TAC Chapter 117, Subchapter B	Stationary diesel engine in BPA nonattainment area are exempt
11ENG#039	N/A	40 CFR Part 60, Subpart IIII	Engine was constructed prior to July 11, 2005.
11ENG#039	N/A	30 TAC Chapter 117, Subchapter B	Stationary diesel engine in BPA nonattainment area are exempt
11ENG#041	N/A	30 TAC Chapter 117, Subchapter B	Stationary diesel engine in BPA nonattainment area are exempt
11ENG#057	N/A	30 TAC Chapter 117, Subchapter B	Stationary diesel engine in BPA nonattainment area are exempt
11ENG#057	N/A	40 CFR Part 63, Subpart ZZZZ	Existing emergency stationary RICE greater than 500 hp at a major source of HAPs and not contractually obligated to be available for the purposes of 63.6640(f)(2)(ii) or (iii).
11ENG#057	N/A	40 CFR Part 60, Subpart IIII	Engine was constructed prior to July 11, 2005.
11ENG#9616	N/A	40 CFR Part 63, Subpart ZZZZ	Existing emergency stationary RICE greater than 500 hp at a major source of HAPs and not contractually obligated to be available for the purposes of 63.6640(f)(2)(ii) or (iii).

### 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		
11ENG#9616	N/A	40 CFR Part 60, Subpart IIII	Engine was constructed prior to July 11, 2005.
11ENG#9616	N/A	30 TAC Chapter 117, Subchapter B	Stationary diesel engine in BPA nonattainment area are exempt
11FLR#041	N/A	30 TAC Chapter 117, Subchapter B	Flares, incinerators, fume abaters, pulping liquor recovery furnaces, sulfur recovery units, sulfuric acid regeneration units, and sulfur plant reaction boilers are exempt
11FLR#042	N/A	30 TAC Chapter 117, Subchapter B	Flares, incinerators, fume abaters, pulping liquor recovery furnaces, sulfur recovery units, sulfuric acid regeneration units, and sulfur plant reaction boilers are exempt
11FLR#043	N/A	30 TAC Chapter 117, Subchapter B	Flares, incinerators, fume abaters, pulping liquor recovery furnaces, sulfur recovery units, sulfuric acid regeneration units, and sulfur plant reaction boilers are exempt
11FLR#613	N/A	30 TAC Chapter 117, Subchapter B	Flares, incinerators, fume abaters, pulping liquor recovery furnaces, sulfur recovery units, sulfuric acid regeneration units, and sulfur plant reaction boilers are exempt
11FLR#613	N/A	40 CFR Part 60, Subpart A	Source is not subject to any NSPS subpart
11FLR#9601	N/A	30 TAC Chapter 117, Subchapter B	Flares, incinerators, fume abaters, pulping liquor recovery furnaces, sulfur recovery units, sulfuric acid regeneration units, and sulfur plant reaction boilers are exempt

### 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		
11FUG#001	N/A	40 CFR Part 60, Subpart DDD	Facility is not an affected facility involved in the manufacture of polypropylene, polyethylene, polystyrene, or poly(ethylene terephthalate)
11FUG#004	N/A	40 CFR Part 60, Subpart DDD	Facility is not an affected facility involved in the manufacture of polypropylene, polyethylene, polystyrene, or poly(ethylene terephthalate)
11LFS#036	N/A	30 TAC Chapter 117, Subchapter B	Stationary internal combustion engines in the Beaumont/Port Arthur nonattainment area with a rating of less than 300 hp
11LFS#036	N/A	40 CFR Part 60, Subpart JJJJ	Constructed prior to June 12, 2006
11LFS#036	N/A	40 CFR Part 63, Subpart ZZZZ	Engine is an existing 4SLB located at a major source of HAPs with a site rating greater than 500 hp
11LFS#037	N/A	30 TAC Chapter 117, Subchapter B	Stationary internal combustion engines in the Beaumont/Port Arthur nonattainment area with a rating of less than 300 hp
11LFS#037	N/A	40 CFR Part 60, Subpart JJJJ	Constructed prior to June 12, 2006
11LFS#037	N/A	40 CFR Part 63, Subpart ZZZZ	Engine is an existing 4SLB located at a major source of HAPs with a site rating greater than 500 hp
11LFS#037A	N/A	30 TAC Chapter 117, Subchapter B	Stationary internal combustion engines in the Beaumont/Port Arthur nonattainment area with a rating of less than 300 hp
11LFS#037A	N/A	40 CFR Part 60, Subpart JJJJ	Constructed prior to June 12, 2006

### Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
11LFS#037A	N/A	40 CFR Part 63, Subpart ZZZZ	Engine is an existing 4SLB located at a major source of HAPs with a site rating greater than 500 hp
11LFS_036	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
11LFS_037	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
11LFS_037A	N/A	30 TAC Chapter 115, Vent Gas Controls	Located in BPA, DFW, El Paso or HGA; is a combustion unit exhaust stream from a unit which is not being used as a control device for any vent gas stream subject to vent gas control and which originated from a non-combustion source
11TEF#034	N/A	40 CFR Part 60, Subpart K	Unit constructed/modified on or before June 11, 1973
11TEF#034	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart G
11TFX#001	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity less than 1,000 gallons

### Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
11TFX#001	N/A	40 CFR Part 60, Subpart Kb	Storage vessel with a design capacity less than or equal to 75 cubic meters (19,800 gallons)
11TFX#001	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquid
11TFX#004	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compounds (VOC)
11TFX#004	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#004	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#013B	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)
11TFX#013B	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#013B	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#014	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)
11TFX#014	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#014	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#015	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)
11TFX#015	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#015	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids

### 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		
11TFX#016	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)
11TFX#016	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#016	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#042	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)
11TFX#042	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#042	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#043	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)
11TFX#043	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#043	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#044	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)
11TFX#044	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#044	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#045	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)
11TFX#045	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)

### 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		
11TFX#045	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#046	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)
11TFX#046	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#046	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#051	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)
11TFX#051	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#051	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#070	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)
11TFX#070	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#070	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#071	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)
11TFX#071	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#071	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#077	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)



### Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
11TFX#077	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#077	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#078	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)
11TFX#078	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#078	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#079	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)
11TFX#079	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#079	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#081	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)
11TFX#081	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#081	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#082	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compounds (VOC)
11TFX#082	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#082	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids

### 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		
11TFX#083	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)
11TFX#083	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#083	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#084	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)
11TFX#084	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#084	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#085	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)
11TFX#085	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#085	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#086	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)
11TFX#086	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#086	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#088	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity less than 1,000 gallons
11TFX#088	N/A	40 CFR Part 60, Subpart Kb	Storage vessel with a design capacity less than or equal to 75 cubic meters (19,800 gallons)

### Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
11TFX#088	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquid
11TFX#088	N/A	40 CFR Part 63, Subpart YY	Vessels storing organic liquids that contains organic HAP as impurity are exempt
11TFX#089	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity less than 1,000 gallons
11TFX#089	N/A	40 CFR Part 60, Subpart Kb	Storage capacity with a design capacity less than or equal to 75 cubic meters (19,800 gallons)
11TFX#089	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquid
11TFX#089	N/A	40 CFR Part 63, Subpart YY	Vessels storing organic liquids that contains organic HAP as impurity are exempt
11TFX#095	N/A	40 CFR Part 60, Subpart Kb	Group 1 or Group 2 wastewater storage vessels that are subject to NSPS Kb are only subject to HON wastewater requirements
11TFX#095	N/A	40 CFR Part 61, Subpart FF	FF not applicable if treated as Group 1 HON wastewater
11TFX#095	N/A	40 CFR Part 61, Subpart Y	Does not store benzene with a specific gravity specified in 61.270(a)
11TFX#095	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart G
11TFX#096	N/A	40 CFR Part 60, Subpart Kb	Group 1 or Group 2 wastewater storage vessels that are also subject to NSPS Kb are only subject to HON wastewater requirements
11TFX#096	N/A	40 CFR Part 61, Subpart Y	Does not store benzene with a specific gravity specified in 61.270(a)

### 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		
11TFX#096	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart G
11TFX#104	N/A	40 CFR Part 60, Subpart Kb	Storage vessel with a design capacity less than or equal to 75 cubic meters (19,800 gallons)
11TFX#104	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquid
11TFX#104	N/A	40 CFR Part 63, Subpart YY	Vessels storing organic liquids that contain organic HAP as impurity are exempt
11TFX#105	N/A	30 TAC Chapter 115, Storage of VOCs	Located in BPA, DFW, El Paso or HGA and in a motor vehicle fuel dispensing service and has a nominal capacity < 25,000 gallons.
11TFX#105	N/A	40 CFR Part 60, Subpart Kb	Storage vessel with a design capacity less than or equal to 75 cubic meters (19,800 gallons)
11TFX#105	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquid
11TFX#105	N/A	40 CFR Part 63, Subpart YY	Vessels storing organic liquids that contains organic HAP as impurity are exempt
11TFX#106	N/A	40 CFR Part 60, Subpart Kb	Storage vessel with a design capacity less than or equal to 75 cubic meters (19,800 gallons)
11TFX#106	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#106	N/A	40 CFR Part 63, Subpart YY	Vessels storing organic liquids that contains organic HAP as impurity are exempt

### 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		
11TFX#1200	N/A	40 CFR Part 60, Subpart Kb	Group 1 and Group 2 wastewater storage vessels that are subject to NSPS Kb are only subject to HON wastewater requirements
11TFX#1200	N/A	40 CFR Part 61, Subpart FF	FF not applicable if treated as Group 1 HON wastewater
11TFX#1200	N/A	40 CFR Part 61, Subpart Y	Does not store benzene with a specific gravity specified in 61.270(a)
11TFX#1200	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart G
11TFX#1201	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity less than 1,000 gallons
11TFX#1201	N/A	40 CFR Part 60, Subpart Kb	Storage vessel with a design capacity less than or equal to 75 cubic meters (19,800 gallons).
11TFX#1201	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#745	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compound (VOC)
11TFX#745	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TFX#745	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11TFX#9621	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity less than 1,000 gallons
11TFX#9621	N/A	40 CFR Part 60, Subpart Kb	Storage vessel with a design capacity less than or equal to 75 cubic meters (19,800 gallons)
11TFX#9621	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids

### 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		
11TOT#011	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity is less than 1,000 gallons
11TOT#011	N/A	40 CFR Part 60, Subpart Kb	Storage vessel with a design capacity less than or equal to 75 cubic meters (19,800 gallons)
11TOT#011	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquid
11TOT#012	N/A	30 TAC Chapter 115, Storage of VOCs	Tank capacity less than 1,000 gallons
11TOT#012	N/A	40 CFR Part 60, Subpart Kb	Storage vessel with a design capacity less than or equal to 75 cubic meters (19,800 gallons)
11TOT#012	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquid
11TOX#9603	N/A	30 TAC Chapter 111, Incineration	Does not burn municipal, commercial, or industrial solid waste
11TOX#9603	N/A	30 TAC Chapter 117, Subchapter B	Not an applicable 30 TAC Chapter 117 source per Air RIT R7-201-005
11TOX#9603	N/A	40 CFR Part 63, Subpart DDDDD	Not an affected source. Unit is a control device that does not produce steam. Does not meet the definition of a boiler or process heater.
11TOX#9604	N/A	30 TAC Chapter 111, Incineration	Does not burn municipal, commercial, or industrial solid waste
11TOX#9604	N/A	30 TAC Chapter 117, Subchapter B	Not an applicable 30 TAC Chapter 117 source per Air RIT R7-201-005

### 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		
11TOX#9604	N/A	40 CFR Part 63, Subpart DDDDD	Not an affected source. Unit is a control device that does not produce steam. Does not meet the definition of a boiler or process heater.
11TSP#060	N/A	40 CFR Part 60, Subpart K	Unit constructed/modified on or before June 11, 1973
11TSP#060	N/A	40 CFR Part 61, Subpart Y	Group 1 storage vessel that is also subject to the provisions of 40 CFR Part 61 Subpart Y is required to comply only with the provisions of HON
11TSP#060	N/A	40 CFR Part 63, Subpart EEEE	Rule overlap. Tank complies with 40 CFR Part 63 Subpart G
11TVT#005	N/A	30 TAC Chapter 115, Storage of VOCs	The storage vessel does not store a volatile organic compounds (VOC)
11TVT#005	N/A	40 CFR Part 60, Subpart Kb	The storage vessel does not store a volatile organic liquid (VOL)
11TVT#005	N/A	40 CFR Part 63, Subpart EEEE	Tank does not store organic liquids
11WWC#110A	N/A	40 CFR Part 61, Subpart FF	FF not applicable if treated as Group 1 HON wastewater
11WWD#111A	N/A	40 CFR Part 61, Subpart FF	FF not applicable if treated as Group 1 HON wastewater
11WWD#111B	N/A	40 CFR Part 61, Subpart FF	FF not applicable if treated as Group 1 HON wastewater
11WWD#111C	N/A	40 CFR Part 61, Subpart FF	FF not applicable if treated as Group 1 HON wastewater

### 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		
11WWD#112A	N/A	40 CFR Part 61, Subpart FF	FF not applicable if treated as Group 1 HON wastewater
11WWD#112B	N/A	40 CFR Part 61, Subpart FF	FF not applicable if treated as Group 1 HON wastewater
11WWD#113	N/A	40 CFR Part 61, Subpart FF	FF not applicable if treated as Group 1 HON wastewater
PRO-HVIVNT	N/A	40 CFR Part 63, Subpart EEEE	Not in organic HAP or Hydrogen halide and halogen HAP service



**New Source Review Authorization References**

<b>New Source Review Authorization References .....</b>	<b>509</b>
<b>New Source Review Authorization References by Emission Unit .....</b>	<b>510</b>

### 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.

<b>Prevention of Significant Deterioration (PSD) Permits</b>	
PSD Permit No.: PSDTX843M2	Issuance Date: 12/18/2020
PSD Permit No.: PSDTX860M2	Issuance Date: 12/18/2020
PSD Permit No.: GHGPSDTX176	Issuance Date: 12/18/2020
<b>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.</b>	
Authorization No.: 83702	Issuance Date: 12/18/2020
Authorization No.: PAL15	Issuance Date: 12/18/2020
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 09/04/2000
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.264	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.433	Version No./Date: 03/14/1997
Number: 106.451	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 07/08/1998
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001
Number: 106.532	Version No./Date: 09/04/2000
Number: 51	Version No./Date: 07/20/1992
Number: 53	Version No./Date: 07/20/1992
Number: 61	Version No./Date: 07/20/1992

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
01CAS#037	Carbon Adsorption System 037	83702, PAL15
01CAS#038	Carbon Adsorption System 038	83702, PAL15
01CAS#3536	Carbon Canister for D-111 and D-109 Control	83702, PAL15
01CTL#002	Cooling Tower No. 2	83702, PAL15
01CVS#3536	Carbon Canister EM36 Closed Vent Sys Benzene Unit	83702, PAL15
01DEG#001	Aromatics Degreaser #1	83702, PAL15
01DEG#002	Aromatics Degreaser #2	83702, PAL15
01DEG#003	Aromatics Degreaser #3	83702, PAL15
01DEG#005	Aromatics Degreaser #5	83702, PAL15
01FUG#001	Aromatics Unit Fugitive Emissions	83702, PAL15
01HTR#301	BU Recycle Gas Superheater	83702, PAL15
01HTR_301	BU Recycle Gas Superheater Vent	83702, PAL15
01RXT#301	Mixed Phase Reactor	83702, PAL15
01RXT#303	Vapor Phase Reactor	83702, PAL15
01SCB#305	Caustic Water Scrubber	83702, PAL15
01SEP#304	High Pressure Separator	83702, PAL15
01TFX#020	Hydrotreater Feed	83702, PAL15
01TFX#021	Benzene Prover	83702, PAL15
01TFX#022	Benzene Prover	83702, PAL15
01TFX#023	Benzene Prover	83702, PAL15
01TFX#104	F-104	83702, PAL15

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
01TIF#024	IFR Tank #24	106.478/09/04/2000
01TIF#025	Benzene/Aromatic Concentrate Product(Storage Tank)	83702, PAL15
01TVD#115	Parallel Reformate Splitter - Distillation Column	83702, PAL15
01TVD#130	Benzene Column	83702, PAL15
01TVD#306	Stabilizer - Distillation Column	83702, PAL15
01TVD#3301	Depentanizer T3301	83702, PAL15
01VNT_01N	Analyzer Vent	83702, PAL15
01VNT_01S	Analyzer Vent	83702, PAL15
01VNT_104	Hydrotreater Reg. Stack	83702, PAL15
01VNT_3536	Combined Vent to Carbon Canisters	83702, PAL15
02ABT#325	Catalyst Abater	83702, PAL15
02BAG_517	A-517-1 Baghouse	83702, PAL15
02BAG_563	A-563/A-564 Baghouse	83702, PAL15
02BAG_573	Baghouse A-573	83702, PAL15
02BAG_574	Baghouse A-574	83702, PAL15
02BAG_590	Filter Vent	83702, PAL15
02BAG_6302	M-6302 Bag Filter	83702, PAL15
02BAG_6306	M-6306 Bag Filter	83702, PAL15
02DTC_313	Dust Collector F-313	83702, PAL15
02DTC_6260	Dust Collector M-6260	83702, PAL15
02DTC_6402	F-6402 Dust Collector	83702, PAL15

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
02ERS#6389	ERS	83702, PAL15
02FIL_211	T-546-2/T-580-2 Baghouse	83702, PAL15
02FUG#001	Catalyst Unit Fugitive Components	83702, PAL15
02FUG#003	Offsites Fugitive Equipment	83702, PAL15
02HTR#302	CAT Base Plant Heater	83702, PAL15
02HTR#500	CAT Base Plant Heater	83702, PAL15
02HTR#501	CAT Base Plant Heater	83702, PAL15
02HTR#622	CAT III Superheater	83702, PAL15
02HTR#632	CAT IV Superheater	83702, PAL15
02HTR#635	CAT IV Superheater	83702, PAL15
02LTR#001	Catalyst Loading	106.472/09/04/2000
02PUM#593	Belt Filter Vacuum Pump	83702, PAL15
02SCB_3167	Scrubbers A-316/A-317	83702, PAL15
02TFX#303	Inorganic Exchange Solution Tank	106.472/09/04/2000
02TFX#314	Acid Alum Tank	106.472/09/04/2000
02TFX#315	Caustic Alum Tank	106.472/09/04/2000
02TFX#335	Ammonium Hydroxide Storage Tank	106.472/09/04/2000
02TFX#503	Decane Recycle Tank	106.478/09/04/2000
02TFX#504	Organic Tank	106.261/11/01/2003
02TFX#505	Organic Tank	106.261/11/01/2003
02TFX#506	Sulfuric Acid Storage Tank	106.472/09/04/2000

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
02TFX#511	Catalyst Waste Organics Tank	83702, PAL15
02TFX#512	CAT III Blend Tank	83702, PAL15
02TFX#516	Decane Tank	106.478/09/04/2000
02TFX#517	Ammonium Nitrate Storage Tank	106.262/09/04/2000
02TFX#524	Ammonium Nitrate Storage Tank	106.472/09/04/2000
02TFX#537	Aluminum Sulfate Tank	106.472/09/04/2000
02TFX#539	Daxad/Water Tank	106.472/09/04/2000
02TFX#548	Wastewater Equalization Tank	83702
02TFX#551	Ammonium Sulfate Storage Tank	106.472/09/04/2000
02TFX#552	Sodium Chloride Storage Tank	106.472/09/04/2000
02TFX#553	Solution Preparation Tank	106.472/09/04/2000
02TFX#557	Nitric Acid Storage Tank	83702, PAL15
02TFX#558	Charge Pot for Muller	106.472/09/04/2000
02TFX#563	Filter Feed Process Vessel	83702, PAL15
02TFX#569	Organic Tank	106.261/11/01/2003
02TFX#571	Recycle Organic Tank	106.261/11/01/2003, 106.478/09/04/2000
02TFX#588	Solution Preparation Tank	83702, PAL15
02TFX#597	Recycle Wastewater Tank	106.472/09/04/2000
02TFX#598	Catalyst Wastewater Tank	83702, PAL15
02TFX#599	Ammonium Nitrate Storage Tank	106.472/09/04/2000
02TFX#6012	Nitric Acid, NaOH, & Metal Salt Solutions	106.472/09/04/2000

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
02TFX#6218	Propylene Glycol Storage	83702, PAL15
02TFX#6315	Nitric Acid and NaOH Tank	106.472/09/04/2000
02TFX#6316	Nitric Acid and NaOH Tank	106.472/09/04/2000
02TFX#6321	Inorganic Exchange Solution Tank	83702, PAL15
02TFX#6322	Inorganic Exchange Solution Tank	83702, PAL15
02TFX#6323	Wastewater Equalization Tank	83702, PAL15
02TFX#T516	Inorganic Exchange Solution Tank	106.262/09/04/2000
02TOT#126	Purification Vessel Vent	83702, PAL15
02TOT#131	Ammonium Nitrate/Di Water Storage	106.472/09/04/2000
02TOT#138	Purification Vessel	83702, PAL15
02TOT#508	Organics Metering Vessel	83702, PAL15
02TOT#510	Purification Vessel	83702, PAL15
02TOT#511	Purification Vessel	83702, PAL15
02TOT#512	Purification Vessel	83702, PAL15
02TOT#513	Purification Vessel	83702, PAL15
02TOT#514	Tote 514	106.472/09/04/2000
02TOT#541	Flocculant/Water Tank	83702, PAL15
02TOT#6544	Belt Filter Floc Tank	83702, PAL15
02TOT#6602	Purification Vessel	83702, PAL15
02TOT#6603	Purification Vessel	83702, PAL15
02TOT#6604	Purification Vessel	83702, PAL15

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
02TOT#6605	Purification Vessel	83702, PAL15
02TOT#6606	Purification Vessel	83702, PAL15
02TOT#6607	Purification Vessel	83702, PAL15
02TOT#6625	Floc Tank	83702, PAL15
02TOT#6628	Floc Tank	83702, PAL15
02TOT#6629	Floc Tank	83702, PAL15
02TOX#6240	Catalyst Thermal Oxidizer	83702, PAL15
02VNT_257	Calciner Diverter Valve Vent	83702, PAL15
02VNT_325	Inlet Stream to Abater	106.261/11/01/2003, 106.262/11/01/2003
02VNT_502	Calciner Diverter Valve Vent	83702, PAL15
02VNT_520	Calciner Diverter Valve Vent	83702, PAL15
02VNT_6240	Thermal Oxidizer Inlet Stream	83702, PAL15
02VNT_6340	CAT IV M&E Blower Vent to ERS	83702, PAL15
02VNT_6360	Calciner Vent to ERS A Train	83702, PAL15
02VNT_6370	Calciner Vent to ERS B Train	83702, PAL15
03FUG#001	Cyclohexane Unit Fugitive Emissions	83702, PAL15
03RXT#8400	Cyclohexane Liquid Phase Reactor	83702, PAL15
03RXT#8401	Cyclohexane Finishing Reactor	83702, PAL15
03SEP#8413	High Pressure Separator	83702, PAL15
03TIF#019	Cyclohexane Product	83702, PAL15
03TVD#8402	Benzene Washing Column	83702, PAL15



### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
03TVD#8403	Cyclohexane Stabilizer Column	83702, PAL15
04CAS#033	Carbon Canister - Ethylene Unit	83702, PAL15, PSDTX860M2
04CAS#034	Carbon Canister - Ethylene Unit	83702, PAL15, PSDTX860M2
04CTL#001	Cooling Tower No. 1	83702, PAL15, PSDTX860M2
04CTL#030	Temporary Cooling Tower Cell 30	106.371/09/04/2000
04CTL#031	Temporary Cooling Tower Cell 31	106.371/09/04/2000
04CTL#032	Temporary Cooling Tower Cell 32	106.371/09/04/2000
04CTL#033	Temporary Cooling Tower Cell 33	106.371/09/04/2000
04CTL#034	Temporary Cooling Tower Cell 34	106.371/09/04/2000
04CTL#035	Temporary Cooling Tower Cell 35	106.371/09/04/2000
04CTL#036	Temporary Cooling Tower Cell 36	106.371/09/04/2000
04CTL#037	Temporary Cooling Tower Cell 37	106.371/09/04/2000
04CTL#038	Temporary Cooling Tower Cell 38	106.371/09/04/2000
04CTL#039	Temporary Cooling Tower Cell 39	106.371/09/04/2000
04CTL#040	Temporary Cooling Tower Cell 40	106.371/09/04/2000
04CTL#041	Temporary Cooling Tower Cell 41	106.371/09/04/2000
04CTL#042	Temporary Cooling Tower Cell 42	106.371/09/04/2000
04CTL#043	Temporary Cooling Tower Cell 43	106.371/09/04/2000
04CTL#044	Temporary Cooling Tower Cell 44	106.371/09/04/2000
04CTL#045	Temporary Cooling Tower Cell 45	106.371/09/04/2000
04CTL#046	Temporary Cooling Tower Cell 46	106.371/09/04/2000

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
04CTL#047	Temporary Cooling Tower Cell 47	106.371/09/04/2000
04CTL#048	Temporary Cooling Tower Cell 48	106.371/09/04/2000
04CTL#049	Temporary Cooling Tower Cell 49	106.371/09/04/2000
04CTL#050	Temporary Cooling Tower Cell 50	106.371/09/04/2000
04CTL#051	Temporary Cooling Tower Cell 51	106.371/09/04/2000
04CVS#033	Ethylene Unit Carbon Canister Closed Vent System	83702, PAL15
04CVS#034	Ethylene Unit Carbon Canister Closed Vent System	83702, PAL15
04ENG#001	Diesel Pump	106.512/09/04/2000
04FUG#001	Ethylene Unit Fugitive Equipment	83702, PAL15, PSDTX860M2
04FUG#003	RGCB Fugitive Equipment	83702, PAL15, PSDTX860M2
04HTR#201	Drier Regenerator Gas Heater	83702, PAL15
04HTR#401	Acetylene Converter Regenerator Gas Heater	83702, PAL15
04HTR#403	Rerun Tower Reboiler	83702, PAL15
04HTR_201	Drier Regen Gas Heater	83702, PAL15
04HTR_401	Acetylene Converter Regenerator Heater Vent	83702, PAL15
04HTR_403	Rerun Tower Reboiler Vent	83702, PAL15
04RXT#409A	Acetylene Converter	83702, PAL15, PSDTX860M2
04RXT#409B	Acetylene Converter	83702, PAL15, PSDTX860M2
04RXT#409C	Acetylene Converter	83702, PAL15, PSDTX860M2
04RXT#413A	Methylacetylene Converter	83702, PAL15, PSDTX860M2
04RXT#413B	Methylacetylene Converter	83702, PAL15, PSDTX860M2

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
04RXT#413C	Methylacetylene Converter	83702, PAL15, PSDTX860M2
04RXT#454	Arsine Bed	83702, PAL15, PSDTX860M2
04RXT#455	Arsine Bed	83702, PAL15, PSDTX860M2
04TFX#001	17 bbl Diesel Storage Tank	106.472/09/04/2000
04TFX#010	Anhydrous Methanol	83702, PAL15
04TFX#012	Anhydrous Methanol	83702, PAL15
04TFX#304	Dry Methanol Tank	83702, PAL15
04TFX#305A	Methanol Tank	83702, PAL15
04TFX#305B	Methanol Tank	83702, PAL15
04TFX#3269	Condensate Stripper Antifoulant Tank	83702, PAL15
04TPR#004	Propylene Prover	83702, PAL15
04TVD#1212	Propane/Butane Wash Tower	83702, PAL15, PSDTX860M2
04TVD#202	Condensate Stripper	83702, PAL15, PSDTX860M2
04TVD#2404	Secondary C3 Splitter	83702, PAL15, PSDTX860M2
04TVD#2407	C3 Stripper	83702, PAL15, PSDTX860M2
04TVD#3001	Deethanizer	83702, PAL15, PSDTX860M2
04TVD#3006	RGCB Dephlegmator	83702, PAL15, PSDTX860M2
04TVD#3910	Caustic Tower	83702, PAL15, PSDTX860M2
04TVD#403	Primary Depropanizer	83702, PAL15, PSDTX860M2
04TVD#404	C3 Splitter Tower	83702, PAL15, PSDTX860M2
04TVD#405A	Secondary Depropanizer	83702, PAL15, PSDTX860M2

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
04TVD#405	Debutanizer Tower	83702, PAL15, PSDTX860M2
04TVD#406	Rerun Tower	83702, PAL15, PSDTX860M2
04TVD#4410	Demethanizer Prefractionator	83702, PAL15, PSDTX860M2
04TVD#4420	Demethanizer	83702, PAL15, PSDTX860M2
04TVD#4450	Demethanizer Recontactor	83702, PAL15, PSDTX860M2
04TVD#4460	Deethanizer	83702, PAL15, PSDTX860M2
04TVD#4480	Topping Still	83702, PAL15, PSDTX860M2
04TVD#448A	Cold Train Dephlegmators	83702, PAL15, PSDTX860M2
04TVD#448B	Cold Train Dephlegmators	83702, PAL15, PSDTX860M2
04TVD#449A	Cold Train Dephlegmators	83702, PAL15, PSDTX860M2
04TVD#449B	Cold Train Dephlegmators	83702, PAL15, PSDTX860M2
04TVD#4740	C2 Stripper	83702, PAL15, PSDTX860M2
04VNT_103	Acetylene/Mapd Converter Regen Stack	83702, PAL15
04VSL#213	Caustic Water Wash Drum	83702, PAL15, PSDTX860M2
05DEG#001	Solvent Degreaser	83702, PAL15
05FUG#001	Gear Oils Fugitives Components	83702, PAL15
05FUG#002	Gear Oils Loading Fugitives	83702, PAL15
05LFS#002	Lift Station #2	106.532/09/04/2000
05LRA#001	Go Unit Loading	83702, PAL15
05LTK#615	T-614/T-615 Waste Oil Loading	51/07/20/1992, 53/07/20/1992
05TCS#614	Non-Haz Waste Oil Tank	83702, PAL15

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
05TFX#102	Go Raw Material Tank	83702, PAL15
05TFX#411	SIB Product Tank	83702, PAL15
05TFX#415	MCP193 Product Tank	83702, PAL15
05TFX#430	Go Product Tank	83702, PAL15
05TFX#442	Go Product Tank	83702, PAL15
05TFX#606	Stormwater/WW Separator/Tank	83702, PAL15
05TFX#611	WW Separator/Tank	61/07/20/1992
05TOT#120	Go Blend Vessel	83702, PAL15
05VSL#123	Go Preblend Vessel	83702, PAL15
06DEG#001	Olefins Degreaser #1	83702, PAL15
06DEG#002	Olefins Degreaser #2	83702, PAL15
06TFX#050	Phosphate Dispersant for CT#1 (Calgon)	106.472/09/04/2000
06TFX#076	Tank 76	83702, PAL15
06TFX#080	Caustic	106.472/09/04/2000
06TFX#4051	Aqueous Amines Tank	83702, PAL15
06TFX#4052	Aqueous Amines Tank	83702, PAL15
06TPR#003	Propylene Prover	83702, PAL15
06TPR#005	Propylene Prover	83702, PAL15
06TPR#006	Propylene Unit Feed	83702, PAL15
06TPR#009	Butylene	83702, PAL15
06TPR#026	C3+ Product	83702, PAL15

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
06TPR#027	C3+ Product	83702, PAL15
06TPR#028	B/B Feed Prover	83702, PAL15
06TPR#029	B/B Feed Prover	83702, PAL15
06TPR#030	B/B Feed Prover	83702, PAL15
06TPR#049	B/B Prover	83702, PAL15
06TPR#063	Butylene	83702, PAL15
06TPR#064	Propylene	83702, PAL15
06TPR#065	Propylene	83702, PAL15
06TSP#001	B/B Feed	83702, PAL15
06TSP#002	B/B Feed	83702, PAL15
06WWT#101	Olefins 115 Exempt Wastewater (<10 Mg)	83702, PAL15
06WWT#105	Olefins FF Exempt CVS < 10 ppm of Benzene in Water	83702, PAL15
06WWT#108A	Olefins FF Containers (Control by Cover, Carbon)	83702, PAL15
06WWT#108B	Olefins FF Containers (Control by Cover)	83702, PAL15
06WWT#109	Olefins FF 2 Mg Benzene Exempted WW	83702, PAL15
07CTL#001	BCSP Main Plant Cooling Tower	83702, PAL15
07CTL#002	BCSP West Plant Cooling Tower	83702, PAL15
07CVS#613	PAO Closed Vent System	83702, PAL15
07DTC_7103	Lime Treat V-103 Slurry Vessel	83702, PAL15
07FUG#001	PAO Unit Fugitive Components	83702, PAL15
07FUG#002	PAO Loading Fugitive Components	83702, PAL15

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
07FUG#003	HVI Fugitive Components	83702, PAL15
07HTR#7701	Dowtherm Heater	83702, PAL15
07HTR#7708	Dowtherm Heater	83702, PAL15
07LRC#001	PAO Product Railcar Loading	106.261/11/01/2003, 106.472/09/04/2000
07LTR#001	Rag Oil Loading	106.261/11/01/2003, 106.262/11/01/2003
07SCB#207	BF3 Scrubber Feed	83702, PAL15
07SCB#7612	Caustic Scrubber	83702, PAL15
07TFX#107R	PAO HIVIS Wash/Neutralization Separator/Tank	83702, PAL15
07TFX#113	PAO HIVIS Overheads Separator/Tank	83702, PAL15
07TFX#115R	PAO HIVIS Wash/Neutralization Separator/Tank	83702, PAL15
07TFX#137R	PAO HIVIS Wash/Neutralization Separator/Tank	83702, PAL15
07TFX#180	PAO LOVIS Overheads Separator/Tank	106.261/11/01/2003, 106.472/09/04/2000
07TFX#401	Dowtherm Tank	83702, PAL15
07TFX#408	Caustic Storage	83702, PAL15
07TFX#425	PAO LOVIS Overheads Separator/Tank	83702, PAL15
07TFX#426	PAO Tank	83702, PAL15
07TFX#428	PAO Tank	83702, PAL15
07TFX#431	PAO Product Tank	83702, PAL15
07TFX#432	PAO Product Tank	83702, PAL15
07TFX#433	PAO Product Tank	83702, PAL15
07TFX#434	PAO Product Tank	83702, PAL15

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
07TFX#435	PAO Product Tank	83702, PAL15
07TFX#436	PAO Product Tank	83702, PAL15
07TFX#443	PAO Tank	83702, PAL15
07TFX#444	PAO Tank	83702, PAL15
07TFX#445	PAO Tank	83702, PAL15
07TFX#446	PAO Raw Material Tank	83702, PAL15
07TFX#447	PAO Tank	83702, PAL15
07TFX#448	Tank T-448	83702, PAL15
07TFX#521	Propylene Glycol Tank	83702, PAL15
07TFX#527	PAO Hydro Feed Tank Vent	83702, PAL15
07TFX#600	Tank T-600	83702, PAL15
07TFX#601R	PAO HIVIS Wash/Neutralization Separator/Tank	83702, PAL15
07TFX#602	PAO HIVIS Waterguard Separator/Tank	83702, PAL15
07TFX#603R	PAO HIVIS Wash/Neutralization Vent/Separator/Tank	83702, PAL15
07TFX#604	PAO Tank	83702, PAL15
07TFX#605	Tank T-605	83702, PAL15
07TFX#607	Tank T-607	83702, PAL15
07TFX#615	Haz Waste Oil Separator/Tank	83702, PAL15
07TFX#625	PAO Filter Precoat Process Vessel	83702, PAL15
07TFX#7129	PAO Waterguard Separator/Tank	83702, PAL15
07TFX#7598	Monomer Storage Tank	106.472/09/04/2000



### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
07TFX#7599	5CST Surge Tank	83702, PAL15
07TFX#7600	Waterguard Storage Tank	83702, PAL15
07TFX#7701	Dowtherm Storage	83702, PAL15
07TFX#7801	Olefin Tank	83702, PAL15
07TFX#8061	PAO HIVIS Separator/Tank	83702, PAL15
07TFX#T504	Sodium Hydroxide Storage Tank	83702, PAL15
07TIF#7502	Olefin Tank	83702, PAL15
07TIF#7800	Olefin Tank	83702, PAL15
07TOT#103	Lime Treat Mixing Vessel	83702, PAL15
07TOT#148	Pao Process Vessel	83702, PAL15
07TOT#149	Filter Precoat Vessel	83702, PAL15
07TOT#151	PAO Process Vessel	83702, PAL15
07TOT#232	Filteraid Vessel	83702, PAL15
07TOT#7570	Pao Filter Precoat Tank	83702, PAL15
07VNT_7601	Flash Tower	83702, PAL15
07VNT_7610	Dechlorinator	83702, PAL15
07VNT_7611	Dechlorinator	83702, PAL15
07VNT_7626	Flash Tower	83702, PAL15
07WWS#001	PAO Group 2 MON Wastewater Stream	83702, PAL15
08BLR#9201	Toluene Tower Reboiler Heater B-9201	83702, PAL15, PSDTX843M2
08BLR#9400	Stabilizer Reboiler Heater B-9400	83702, PAL15, PSDTX843M2

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
08BLR#9401	Detol Tower Reboiler Heater	83702, PAL15, PSDTX843M2
08BLR#9402	Xylene Tower Reboiler Heater B-9402	83702, PAL15, PSDTX843M2
08BLR_9201	Toluene Reboiler Heater Vent	83702, PAL15
08BLR_9400	Stabilizer Reboiler Vent	83702, PAL15
08BLR_9401	Detol Boiler Vent	83702, PAL15
08BLR_9402	Xylene Reboiler Vent	83702, PAL15
08CTL#9601	Paraxylene Cooling Tower	83702, PAL15
08ENG#001	Diesel Water Pump	106.511/09/04/2000
08FUG#001	Paraxylene Unit Process Fugitive Emissions	83702, PAL15
08HTR#9301	Reactor Charge Heater B-9301	83702, PAL15, PSDTX843M2
08HTR_9301	Reactor Charge Heater Vent	83702, PAL15
08LWF#001	Wharf Loading Facility	83702, PAL15
08LWF#9602	Wharf Loading Vapor Combustor	83702, PAL15, PSDTX843M2
08RXT#9301	Paraxylene Reactor	83702, PAL15
08SEP#9302	High Pressure Separator	83702, PAL15
08TFX#037	Heavy Reformate Storage Tank	83702, PAL15
08TFX#038	Toluene Storage Tank	83702, PAL15
08TFX#9601	Benzene Tank 9601 Prover	83702, PAL15
08TFX#9602	Benzene Tank ET-9602 Prover	83702, PAL15
08TFX#9607	Crystallizer Feed Tank 9607	83702, PAL15
08TFX#9608	Paraxylene Unit Storage Tank 9608	83702, PAL15

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
08TFX#9609	Paraxylene Tank 9609 Prover	83702, PAL15
08TFX#9610	Paraxylene Tank 9610 Prover	83702, PAL15
08TIF#032	Cutter Stock and Benzene Storage	83702, PAL15
08TIF#9620	Udex Feed Tank 9620	83702, PAL15
08TVD#9203	Toluene Tower	83702, PAL15
08TVD#9404	Stabilizer Tower	83702, PAL15
08TVD#9405	Detol Tower	83702, PAL15
08TVD#9406	Benzene Tower	83702, PAL15
08TVD#9407	Xylene Tower	83702, PAL15
08VSL#9300	Toluene Feed Drum	83702, PAL15
08VSL#9411	Vent Gas Separator	83702, PAL15
08VSL#9501	Para Crystallizer	83702, PAL15
08VSL#9502	Para Crystallizer	83702, PAL15
08VSL#9503	Para Crystallizer	83702, PAL15
08VSL#9504	Para Crystallizer	83702, PAL15
08VSL#9505	Para Crystallizer	83702, PAL15
08VSL#9512	Paraxylene Filtrate Drum	83702, PAL15
08VSL#9513	Melt Drum	83702, PAL15
08VSL#9520	Hot Flush Drum	83702, PAL15
08VSL#L501	Centrifuge	83702, PAL15
08VSL#L502	Centrifuge	83702, PAL15

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
08VSL#L503	Centrifuge	83702, PAL15
08VSL#L504	Centrifuge	83702, PAL15
08VSL#L505	Centrifuge	83702, PAL15
09CAS#031	Carbon Canister - USC I	83702, PAL15, PSDTX860M2
09CTL#003	Cooling Tower No. 3	83702, PAL15, PSDTX860M2
09CVS#031	USC-1 Carbon Canister Closed Vent System	83702, PAL15
09FRN#210A	Naphtha Cracking Furnace	83702, PAL15, PSDTX860M2
09FRN#210B	Naphtha Cracking Furnace	83702, PAL15, PSDTX860M2
09FRN#210C	B-2101C Naphtha Cracking Furnace (USC I)	83702, PAL15, PSDTX860M2
09FRN#210D	Naphtha Cracking Furnace	83702, PAL15, PSDTX860M2
09FRN#210E	Naphtha Cracking Furnace	83702, PAL15, PSDTX860M2
09FRN#210F	B-210F Naphtha Cracking Furnace (USC I)	83702, PAL15, PSDTX860M2
09FRN_210A	Naphtha Cracking Furnace Vent	83702, PAL15, PSDTX860M2
09FRN_210B	Naphtha Cracking Furnace Vent	83702, PAL15, PSDTX860M2
09FRN_210C	Naphtha Cracking Furnace Vent	83702, PAL15, PSDTX860M2
09FRN_210D	Naphtha Cracking Furnace Vent	83702, PAL15, PSDTX860M2
09FRN_210E	Naphtha Cracking Furnace Vent	83702, PAL15, PSDTX860M2
09FRN_210F	Naphtha Cracking Furnace Vent	83702, PAL15, PSDTX860M2
09FUG#001	Olefins Fugitive Emissions	83702, PAL15, PSDTX860M2
09TFX#072A	USC-I Antifoulant	83702, PAL15
09TFX#2110	USC I DMS Tank	83702, PAL15, PSDTX860M2

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
09TVD#2102	Primary Fractionator	83702, PAL15, PSDTX860M2
09TVD#2104	USC I Gas Water Separator	83702, PAL15, PSDTX860M2
09TVD#2105	Distillate Stripper	83702, PAL15, PSDTX860M2
09TVD#2201	Caustic Water Scrubber	83702, PAL15, PSDTX860M2
09VNT_027	B-2101 A&B Decoking Stack	83702, PAL15, PSDTX860M2
09VNT_030	B-2101F Decoking Stack	83702, PAL15, PSDTX860M2
10BLR#690A	1500 psig Boiler	83702, PAL15, PSDTX860M2
10BLR#690B	1500 psig Boiler	83702, PAL15, PSDTX860M2
10BLR_6901	1500# Boiler Vent	83702, PAL15, PSDTX860M2
10CAS#032	Carbon Canister - USC II	83702, PAL15, PSDTX860M2
10CTL#004	No. 4 Cooling Tower	83702, PAL15, PSDTX860M2
10CVS#032	USC-2 Carbon Canister Closed Vent System	83702, PAL15
10ENG#113	Diesel Water Pump	106.512/06/13/2001
10ENG#116	Diesel Water Pump	106.512/06/13/2001
10FRN#610A	USC-M8 Pyrolysis Furnace	83702, PAL15, PSDTX860M2
10FRN#610B	USC-M8 Pyrolysis Furnace 6101B	83702, PAL15, PSDTX860M2
10FRN#610C	USC-M8 Pyrolysis Furnace 6101C	83702, PAL15, PSDTX860M2
10FRN#610D	USC II M8 Pyrolysis Furnace	83702, PAL15, PSDTX860M2
10FRN#615A	USC II 12W Pyrolysis Furnace	83702, PAL15, PSDTX860M2
10FRN#615B	USC-II 12 W Pyrolysis Furnace	83702, PAL15, PSDTX860M2
10FRN#630A	B6301A Pyrolysis Furnace	83702, PAL15, PSDTX860M2

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
10FRN#630B	B6301B Pyrolysis Furnace	83702, PAL15, PSDTX860M2
10FRN_610A	Naphtha Cracking Furnace Vent	83702, PAL15, PSDTX860M2
10FRN_610B	Naphtha Cracking Furnace Vent	83702, PAL15, PSDTX860M2
10FRN_610C	Naphtha Cracking Furnace Vent	83702, PAL15, PSDTX860M2
10FRN_610D	Naphtha Cracking Furnace Vent	83702, PAL15, PSDTX860M2
10FRN_615A	Naphtha Cracking Furnace Vent	83702, PAL15, PSDTX860M2
10FRN_615B	Naphtha Cracking Furnace Vent	83702, PAL15, PSDTX860M2
10FRN_630A	Naphtha Cracking Furnace Vent	83702, PAL15, PSDTX860M2
10FRN_630B	Naphtha Cracking Furnace Vent	83702, PAL15, PSDTX860M2
10FUG#001	USC II Fugitive Equipment	83702, PAL15, PSDTX860M2
10SEP#6104	USC II Gas Water Separator	83702, PAL15, PSDTX860M2
10TFX#6110	USC II DMS Tank	83702, PAL15, PSDTX860M2
10TVD#6102	Primary Fractionator	83702, PAL15, PSDTX860M2
10TVD#6104	Fuel Oil Stripper	83702, PAL15, PSDTX860M2
10TVD#6105	Distillate Stripper	83702, PAL15, PSDTX860M2
10TVD#6201	Caustic Water Scrubber	83702, PAL15, PSDTX860M2
10VNT_023	B6101A and B Dec Vent	83702, PAL15, PSDTX860M2
10VNT_024	B6101 C and D Dec Vent	83702, PAL15, PSDTX860M2
10VNT_025	B-6151 A&B Decoking Vent	83702, PAL15, PSDTX860M2
10VNT_6301	Naphtha Cracking Furnace Decoking Vent	83702, PAL15, PSDTX860M2
11CAS#043	Carbon Canister EM43 CVS Movements Area	83702, PAL15

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
11CVS#041	Closed Vent System Low Pressure (East) Flare	83702, PAL15, PSDTX860M2
11CVS#042	Closed Vent System High Pressure (West) Flare	83702, PAL15, PSDTX860M2
11CVS#043	Closed Vent System Udex Flare	83702, PAL15
11CVS#9601	Closed Vent System Paraxylene Process Flare	83702, PAL15, PSDTX843M2
11CVS#9603	Closed Vent System Wharf Thermal Oxidizer	83702, PAL15, PSDTX843M2
11CVS#9604	Closed Vent System Tank Farm Thermal Oxidizer	83702, PAL15, PSDTX843M2
11ENG#001	Rental Air Compressor	83702, PAL15
11ENG#003	Diesel Pump	106.512/06/13/2001
11ENG#039	Emergency Firewater Pump	83702, PAL15
11ENG#041	365 hp Emergency Diesel Engine	106.511/09/04/2000
11ENG#057	Emergency Firewater Pump	83702, PAL15
11ENG#9616	PX Firewater Pump	83702, PAL15
11FLR#041	Low Pressure (East) Flare	83702, PAL15, PSDTX860M2, GHGPSDTX176
11FLR#042	High Pressure (West) Flare	83702, PAL15, PSDTX860M2, GHGPSDTX176
11FLR#043	Udex Flare	83702, PAL15, GHGPSDTX176
11FLR#613	Flare	83702, PAL15, GHGPSDTX176
11FLR#9601	Paraxylene Process Flare	83702, PAL15, PSDTX843M2, GHGPSDTX176
11FUG#001	Olefins Fugitive Equipment	83702, PAL15, PSDTX860M2
11FUG#002	Offsites Fugitive Equipment	83702, PAL15, GHGPSDTX176
11FUG#004	Rail Loading Fugitive Equipment	83702, PAL15, PSDTX860M2
11LFS#036	No. 2 Lift Station Gas Engine - South	83702, PAL15

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
11LFS#037A	No. 2 Lift Station Gas Engine - North	83702, PAL15
11LFS#037	No. 2 Lift Station Gas Engine - Middle	83702, PAL15
11LFS_036	No. 2 Lift Station Gas Engine - South Vent	83702, PAL15
11LFS_037A	No. 2 Lift Station Gas Engine - North Vent	83702, PAL15
11LFS_037	No. 2 Lift Station Gas Engine - Middle Vent	83702, PAL15
11LRA#001	Rail Loading	83702, PAL15, PSDTX860M2
11REM#001	Site Remediation Activities	83702, PAL15
11STR#D40	Steam Stripper	83702, PAL15
11STR#D41	Steam Stripper	83702, PAL15
11TEF#034	Tank 34, Py-Gas, Rerun Tower Feed	83702, PAL15
11TFX#001	Diesel Fuel Tank	106.472/09/04/2000
11TFX#004	93% Sulfuric Acid	106.472/09/04/2000
11TFX#013B	Caustic	106.472/09/04/2000
11TFX#014	Primary Coagulant	106.472/09/04/2000
11TFX#015	Brine	106.472/09/04/2000
11TFX#016	Demineralized Water	106.472/09/04/2000
11TFX#042	Water Clarifier	106.472/09/04/2000
11TFX#043	Water Clarifier	106.472/09/04/2000
11TFX#044	Clearwell Tank Water	106.472/09/04/2000
11TFX#045	Clearwell Tank Water	106.472/09/04/2000
11TFX#046	Floculant Mix	106.472/09/04/2000



### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
11TFX#051	Clarifier Premix	106.472/09/04/2000
11TFX#070	Potable Water	106.472/09/04/2000
11TFX#071	Potable Water	106.472/09/04/2000
11TFX#077	25% Caustic	106.472/09/04/2000
11TFX#078	Demineralized Water	106.472/09/04/2000
11TFX#079	93% Sulfuric Acid	106.472/09/04/2000
11TFX#081	Cation	106.472/09/04/2000
11TFX#082	Cation	106.472/09/04/2000
11TFX#083	Anion	106.472/09/04/2000
11TFX#084	Anion	106.472/09/04/2000
11TFX#085	Mixed Bed	106.472/09/04/2000
11TFX#086	Mixed Bed	106.472/09/04/2000
11TFX#088	Tank 88	83702, PAL15
11TFX#089	Tank 89	83702, PAL15
11TFX#095	Tank 95	83702, PAL15
11TFX#096	Tank 96	83702, PAL15
11TFX#104	Tank 104 Diesel Fuel	83702, PAL15
11TFX#105	Tank 105 Gasoline Storage	83702, PAL15
11TFX#106	Tank 106 Diesel Fuel	83702, PAL15
11TFX#109	Diesel Tote	106.472/09/04/2000
11TFX#1200	TK1200	83702, PAL15

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
11TFX#1201	Tank 1201 Diesel Fuel	83702, PAL15
11TFX#745	Sulfide (Calgon)	106.472/09/04/2000
11TFX#9621	PX Fire Pump Diesel Tank 9621	83702, PAL15
11TOT#011	Diesel Fuel Tank	106.472/09/04/2000
11TOT#012	Diesel Fuel Tank	106.472/09/04/2000
11TOX#9603	Wharf Thermal Oxidizer	83702, PAL15, PSDTX843M2
11TOX#9604	B-9604 Ref. Tank Farm Thermal Oxidizer	83702, PAL15, PSDTX843M2
11TSP#060	Benzene Tank	83702, PAL15
11TVT#005	Caustic	106.472/09/04/2000
11VNT_041	Flare Header for EH41	83702, PAL15, PSDTX860M2
11VNT_042	Flare Header for EH42	83702, PAL15
11VNT_043	Flare Header for EH43	83702, PAL15
11VNT_613	Flare Feed	83702, PAL15
11VNT_9601	Flare Header for EH9601	83702
11VNT_9603	Header for Wharf TO	83702, PAL15
11WWC#110A	Aromatics HON Containers (Ctrl by Cover Carbon)	83702, PAL15
11WWD#111A	Aromatics WW (Ind. Drains) - Control by Rfnry TO	83702, PAL15
11WWD#111B	Aromatics WW (Ind. Drains) - Control by EM37 (BU)	83702, PAL15
11WWD#111C	Aromatics WW (Ind. Drains) - Control by EM38 (BU)	83702, PAL15
11WWD#112A	Aromatics WW (Ind. Drains) - Control by Wharf TO	83702, PAL15
11WWD#112B	Aromatics WW (Ind. Drains) - Control by Flare (BU)	83702, PAL15

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units. 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
11WWD#113	Aromatics WW (Ind. Drains) - Control by Flare	83702, PAL15
99MSS#008	Painting	106.433/03/14/1997
MSSAE	Routine Equipment Maintenance	83702, PAL15, GHGPSDTX176
PRO-AR	Aromatics CMPU	83702, PAL15
PRO-HVIVNT	HVI Unit Aggregated Vents	83702, PAL15
TVTFX#D5	Spent Caustic Drum	83702, PAL15

**Appendix A**

**Acronym List ..... 475**

## Acronym List

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

ACFM	actual cubic feet per minute
AMOC	alternate means of control
ARP	Acid Rain Program
ASTM	American Society of Testing and Materials
B/PA	Beaumont/Port Arthur (nonattainment area)
CAM	Compliance Assurance Monitoring
CD	control device
CEMS	continuous emissions monitoring system
CFR	Code of Federal Regulations
COMS	continuous opacity monitoring system
CVS	closed vent system
D/FW	Dallas/Fort Worth (nonattainment area)
EP	emission point
EPA	U.S. Environmental Protection Agency
EU	emission unit
FCAA Amendments	Federal Clean Air Act Amendments
FOP	federal operating permit
gr/100 scf	grains per 100 standard cubic feet
HAP	hazardous air pollutant
H/G/B	Houston/Galveston/Brazoria (nonattainment area)
H <sub>2</sub> S	hydrogen sulfide
ID No.	identification number
lb/hr	pound(s) per hour
MACT	Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr	Million British thermal units per hour
NA	nonattainment
N/A	not applicable
NADB	National Allowance Data Base
NESHAP	National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO <sub>x</sub>	nitrogen oxides
NSPS	New Source Performance Standard (40 CFR Part 60)
NSR	New Source Review
ORIS	Office of Regulatory Information Systems
Pb	lead
PBR	Permit By Rule
PEMS	predictive emissions monitoring system
PM	particulate matter
ppmv	parts per million by volume
PRO	process unit
PSD	prevention of significant deterioration
psia	pounds per square inch absolute
SIP	state implementation plan
SO <sub>2</sub>	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 ..... 477**

Major NSR Summary Table

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
PAL VOC (6)	PAL VOC	PAL (VOC)	-	495.36	58	58	
PAL PM (6)	PAL PM	PAL (PM)	-	226.03	58	58	
		PAL (PM <sub>10</sub> )	-	226.03	58	58	
PAL PM <sub>2.5</sub> (6)	PAL PM <sub>2.5</sub>	PAL (PM <sub>2.5</sub> )	-	221.03	58	58	
PAL SO <sub>2</sub> (6)	PAL SO <sub>2</sub>	PAL (SO <sub>2</sub> )	-	56.40	58	58	
PAL H <sub>2</sub> S (6)	PAL H <sub>2</sub> S	PAL (H <sub>2</sub> S)	-	10.02	58	58	
CGOST (6)	Catalyst, Gear Oil, and Synthetics Tanks	VOC	-	106.47			
		PM	0.02	0.01			
		PM <sub>10</sub>	0.02	0.01			
		PM <sub>2.5</sub>	0.02	0.01			
		H <sub>2</sub> S	0.01	0.01			
		HCl	0.39	1.54			
		HNO <sub>3</sub>	-	0.01			
		NH <sub>4</sub> NO <sub>3</sub>	-	0.04			
AOMSSFL (6)	Aromatics and Olefins MSS Flaring	VOC	3567.34	93.38	10, 60, 61, 62, 70, 78, 79, 81, 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 94, 95, 96, 97, 100, 102, 103, 105	10, 60, 61, 62, 70, 78, 79, 81, 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 94, 95, 96, 97, 100, 102, 103, 104, 106	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		SO <sub>2</sub>	160.06	1.12	10, 60, 78, 79, 81, 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 94, 95, 96, 97, 100, 102, 103, 105	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 94, 95, 96, 97, 100, 102, 103, 104, 106	
		H <sub>2</sub> S	2.29	0.01	10, 60, 78, 79, 81, 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 94, 95, 96, 97, 100, 102, 103, 105	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 94, 95, 96, 97, 100, 102, 103, 104, 106	
		NO <sub>x</sub>	933.86	19.70	10, 60, 78, 79, 81, 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 94, 95, 96, 97, 100, 102, 103, 105	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 94, 95, 96, 97, 100, 102, 103, 104, 106	
		CO	4154.48	100.59	10, 60, 78, 79, 81, 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 94, 95, 96, 97, 100, 102, 103, 105	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 94, 95, 96, 97, 100, 102, 103, 104, 106	
MSSAE (6)	MSS Atmospheric Emissions	VOC	518.88	61.25	60, 61, 62, 66, 67	60, 61, 62, 66, 67	
		SO <sub>2</sub>	0.05	0.01	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
		NO <sub>x</sub>	32.60	0.11	60	60	
		CO	48.94	1.29	60	60	
		NH <sub>3</sub>	3.14	0.13	60	60	
		H <sub>2</sub> SO <sub>4</sub>	0.93	0.01	60	60	



**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		PM	1.20	0.17	60	60	
		PM <sub>10</sub>	1.20	0.17	60	60	
		PM <sub>2.5</sub>	1.20	0.17	60	60	
02TFX_548	T-548 Wastewater Equalization Tank	NH <sub>4</sub> NO <sub>3</sub>	0.09	0.04	60	60	
02TFX_557	Nitric Acid Tank T-557	HNO <sub>3</sub>	0.01	0.01	60	60	
02TFX_563	Crude Product Solution Tank T-563	VOC	1.25	5.48	39, 60, 65	39, 60, 65	
02TFX_588	Tank T-588	VOC	0.07	0.31	39, 60, 65	39, 60, 65	
02TFX_598	Wastewater Tank T-598	VOC	0.01	0.04	39, 60, 65	39, 60, 65	
02TFX_6218	Propylene Glycol Tank D-6218	VOC	1.36	5.96	39, 60, 65	39, 60, 65	
02TFX_6321	F-6321 Wastewater Equalization Tank	NH <sub>4</sub> NO <sub>3</sub>	0.01	0.04	60	60	
02TFX_6322	F-6322 Storage Tank	NH <sub>4</sub> NO <sub>3</sub>	0.01	0.04	60	60	
02TFX_6323	F-6323 Storage Tank	NH <sub>4</sub> NO <sub>3</sub>	0.09	0.04	60	60	
02TOT_126	Decanter T-126	VOC	0.29	1.27	60	60	
02TOT_138	T-138 Decanter	VOC	0.29	1.27	60	60	
02TOT_6602	Decanter F6602	VOC	0.72	3.17	60	60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
02TOT_6607	Decanter F6607	VOC	0.72	3.17	60	60	
02TOT_6629	Floc Vessel F6629	VOC	0.83	3.64	60	60	
02TOT_510	T-510 Decanter	VOC	0.29	1.27	60	60	
02TOT_511	T-511 Decanter	VOC	0.29	1.27	60	60	
02TOT_512	T-512 Decanter	VOC	0.16	0.70	60	60	
02TOT_513	T-513 Decanter	VOC	0.29	1.27	60	60	
02TOT_541	HOC Tank T-541	VOC	0.83	3.64	60	60	
02TOT_6544	Belt Filter Floc Tank F-6544	VOC	0.83	3.64	60	60	
02TOT_6603	Decanter F-6603	VOC	0.72	3.17	60	60	
02TOT_6604	Decanter F-6604	VOC	0.72	3.17	60	60	
02TOT_6605	Decanter F-6605	VOC	0.72	3.17	60	60	
02TOT_6606	Decanter F-6606	VOC	0.72	3.17	60	60	
02TOT_6625	Seed Vessel F-6625	VOC	0.01	0.04	60	60	
02TOT_6628	Floc Vessel F-6628	VOC	0.83	3.64	60	60	
05TCS_101	WT-101	VOC	0.06	0.26	40, 60	40, 60	
05TCS_104	WT-104	VOC	0.07	0.31	40, 60	40, 60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
05TCS_107	WT-107	VOC	0.06	0.26	40, 60	40, 60	
05TCS_108	WT-108	VOC	0.10	0.44	40, 60	40, 60	
05TCS_3015	WT-3015	VOC	1.10	4.82	40, 60	40, 60	
05TCS_614	T614	VOC	0.02	0.09	60	60	
05TFX_102	WT-102	VOC	0.11	0.48	39, 60, 65	39, 60, 65	
05TFX_103	WT-103	VOC	0.18	0.79	39, 60, 65	39, 60, 65	
05TFX_105	WT-105	VOC	0.84	3.68	39, 60, 65	39, 60, 65	
05TFX_106	WT-106	VOC	0.01	0.04	39, 60, 65	39, 60, 65	
05TFX_121	WV-121	VOC	0.01	0.04	39, 60, 65	39, 60, 65	
05TFX_122	WV-122	VOC	0.01	0.04	39, 60, 65	39, 60, 65	
05TFX_130	WT-130	VOC	1.63	7.14	39, 60, 65	39, 60, 65	
05TFX_3016	F-3016	VOC	15.66	68.58	39, 60, 65	39, 60, 65	
05TFX_3017	F-3017	VOC	0.03	0.13	39, 60, 65	39, 60, 65	
05TFX_3018	D-3018	VOC	0.01	0.04	39, 60, 65	39, 60, 65	
05TFX_3019	D-3019	VOC	0.01	0.04	39, 60, 65	39, 60, 65	
05TFX_3030	F-3030	VOC	16.02	70.18	39, 60, 65	39, 60, 65	
05TFX_3031	F-3031	VOC	9.41	41.22	39, 60, 65	39, 60, 65	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
05TFX_411	T-411	VOC	0.16	0.70	39, 60, 65	39, 60, 65	
05TFX_415	T-415	VOC	0.76	3.33	39, 60, 65	39, 60, 65	
05TFX_427	T-427	VOC	0.79	3.46	39, 60, 65	39, 60, 65	
05TFX_429	T-429	VOC	0.45	1.97	39, 60, 65	39, 60, 65	
05TFX_430	T-430	VOC	0.45	1.97	39, 60, 65	39, 60, 65	
05TFX_442	T-442	VOC	7.27	31.84	39, 60, 65	39, 60, 65	
05TFX_8100	F-8100	VOC	0.01	0.04	39, 60, 65	39, 60, 65	
05TOT_120	WV-120	VOC	0.75	3.30	60	60	
05VSL_123	WV-123	VOC	0.19	0.83	60	60	
07DTC_7103	Lime Treat V-103 Slurry Vessel	VOC	0.06	0.28	60	60	
07TFX_107R	TankT-107R	VOC	7.34	32.15	39, 60, 65	39, 60, 65	
07TFX_113	Tank T-113	VOC	12.25	53.63	39, 60, 65	39, 60, 65	
07TFX_115R	Tank T-115R	VOC	7.51	32.87	39, 60, 65	39, 60, 65	
07TFX_7129	Tank F-7129	VOC	29.93	106.47	39, 60, 65	39, 60, 65	
07TFX_132	Feed Day Tank T-132	VOC	0.14	0.63	39, 60, 65	39, 60, 65	
07TFX_134	Tank 134	VOC	0.31	1.38	39, 60, 65	39, 60, 65	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
07TFX_137R	Tank T-137R	VOC	10.03	43.95	39, 60, 65	39, 60, 65	
07TFX_151	Solvent Recycle Tank V-151	VOC	1.39	6.10	39, 60, 65	39, 60, 65	
07TFX_248	Product Storage Tank V-248	VOC	0.38	1.68	39, 60, 65	39, 60, 65	
07TFX_405	Solvent Day Tank T-405	VOC	0.01	0.04	39, 60, 65	39, 60, 65	
07TFX_407	Solvent storage Tank T-407	VOC	1.42	6.22	39, 60, 65	39, 60, 65	
07TFX_408	Tank T-408	VOC	0.10	0.46	39, 60, 65	39, 60, 65	
07TFX_426	Tank T426	VOC	23.57	103.26	39, 60, 65	39, 60, 65	
07TFX_428	Tank T-428	VOC	29.5	106.47	39, 60, 65	39, 60, 65	
07TFX_431	Tank T-431	VOC	21.00	91.96	39, 60, 65	39, 60, 65	
07TFX_432	TankT-432	VOC	11.21	49.11	39, 60, 65	39, 60, 65	
07TFX_433	Tank T-433	VOC	21.00	91.96	39, 60, 65	39, 60, 65	
07TFX_434	Tank T-434	VOC	5.61	24.58	39, 60, 65	39, 60, 65	
07TFX_435	Tank T-435	VOC	15.50	67.87	39, 60, 65	39, 60, 65	
07TFX_436	Tank T-436	VOC	5.61	24.58	39, 60, 65	39, 60, 65	
07TFX_443	Tank T-443	VOC	4.73	20.73	39, 60, 65	39, 60, 65	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
07TFX_444	Tank T-444	VOC	6.87	30.10	39, 60, 65	39, 60, 65	
07TFX_445	Tank T-445	VOC	0.89	3.88	39, 60, 65	39, 60, 65	
07TFX_446	Tank T-446	VOC	9.52	41.68	7, 39, 60, 65	7, 8, 39, 60, 65	7
07TFX_447	Tank T-447	VOC	6.89	30.18	39, 60, 65	39, 60, 65	
07TFX_448	Tank T-448	VOC	1.57	6.88	39, 60, 65	39, 60, 65	
07TFX_504	Tank F-504	VOC	0.02	0.09	39, 60, 65	39, 60, 65	
07TFX_521	Tank T-521	VOC	4.34	19.01	39, 60, 65	39, 60, 65	
07TFX_527	Hydro Feed Tank V-527	VOC	31.20	106.80	39, 60, 65	39, 60, 65	
07TFX_600	Tank T-600	VOC	0.02	0.09	39, 60, 65	39, 60, 65	
07TFX_601R	Tank T-601R	VOC	9.35	40.94	39, 60, 65	39, 60, 65	
07TFX_602	Tank T-602	VOC	16.59	72.66	39, 60, 65	39, 60, 65	
07TFX_603R	Tank T-603R and Scrubber C-205	VOC	20.30	88.91	39, 60, 65	39, 60, 65	
07TFX_604	Tank T-604	VOC	3.00	13.16	39, 60, 65	39, 60, 65	
07TFX_605	Tank F-605	VOC	0.02	0.09	39, 60, 65	39, 60, 65	
07TFX_607	Tank T-607	VOC	0.04	0.17	39, 60, 65	39, 60, 65	
07TFX_615	Tank T-615	VOC	0.01	0.04	39, 60, 65	39, 60, 65	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
07TFX_625	Filter Re-Coat Tank V-625	VOC	1.36	5.96	39, 60, 65	39, 60, 65	
07TFX_7120	Tank F-7120	VOC	22.58	98.88	39, 60, 65	39, 60, 65	
07TFX_7599	Tank T-7599	VOC	0.08	0.34	39, 60, 65	39, 60, 65	
07TFX_7600	Tank F-7600	VOC	0.57	2.48	39, 60, 65	39, 60, 65	
07TIF_7800	TankF-7800	VOC	0.42	1.93	39, 60, 64	39, 60, 64	
07TFX_7801	Tank F-7801	VOC	3.56	15.68	39, 60, 65	39, 60, 65	
07TFX_8061	Tank F-8061	VOC	4.56	19.97	39, 60, 65	39, 60, 65	
07TIF_7502	Tank F-7502	VOC	0.84	3.69	39, 60, 64	39, 60, 64	
07TOT_103	Lime Treat V-103 Slurry vessel	VOC	0.01	0.06	60	60	
07TOT_148	Filter Pre Coat Tank T-148	VOC	0.33	1.45	60	60	
07TOT_151	Filter pre Coat Tank T-146	VOC	0.52	2.28	60	60	
07TOT_232	Vessel V-232 Filteraid	VOC	0.04	0.16	60	60	
07TOT_7570	Filter Pre-Coat Tank T-7570	VOC	4.91	21.52	60	60	
01CAS_3536	Carbon Adsorption System	VOC	2.83	6.20	7, 40, 60, 70	7, 8, 40, 60, 70	7

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
01CAS_037	Carbon Adsorption System	VOC	4.30	0.13	24, 60	24, 60	
01CAS_038	Carbon Adsorption System	VOC	4.30	0.13	24, 60	24, 60	
01CTL_002	Cooling Tower No. 2	VOC	0.63	2.76	7, 38, 60	7, 8, 38, 60	7
		PM	3.05	13.36			
		PM <sub>10</sub>	3.05	13.36			
		PM <sub>2.5</sub>	3.05	13.36			
01DEG_001	Aromatics Degreaser NO. 1	VOC	0.15	0.65	60	60	
01DEG_002	Aromatics Degreaser NO. 2	VOC	0.15	0.65	60	60	
01DEG_003	Aromatics Degreaser NO. 3	VOC	0.15	0.65	60	60	
01DEG_005	Aromatics Degreaser NO. 5	VOC	0.15	0.65	60	60	
01FUG_001	Process Fugitives (5)	VOC	0.92	3.95	7, 52, 54, 60, 63	7, 8, 52, 60, 63	7, 52
01HTR_301	Heater B-301	NO <sub>x</sub>	0.79	3.48	60	37, 60	
		CO	0.67	2.92	60	60	
		SO <sub>2</sub>	0.01	0.02	60	60	



**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		VOC	0.04	0.19	60	60	
		PM	0.06	0.26	60	60	
		PM <sub>10</sub>	0.06	0.26	60	60	
		PM <sub>2.5</sub>	0.06	0.26	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
01VNT_01N	Analyzer Vent	VOC	0.01	0.01	60	60	
01VNT_01S	Analyzer Vent	VOC	0.01	0.01	60	60	
01VNT_104	Hydrotreater Converter Regenerator Vent	NO <sub>x</sub>	0.01	0.01	5, 60	5, 60	
		CO	0.08	0.01	5, 60	5, 60	
		SO <sub>2</sub>	0.02	0.01	5, 60	5, 60	
		VOC	0.66	0.03	5, 60	5, 60	
		PM	0.01	0.01	5, 60	5, 60	
		PM <sub>10</sub>	0.01	0.01	5, 60	5, 60	
		PM <sub>2.5</sub>	0.01	0.01	5, 60	5, 60	
		H <sub>2</sub> S	0.01	0.01	5, 60	5, 60	
02ABT_325	Abator A-325	NO <sub>x</sub>	6.37	10.03	11, 16, 60	11, 16, 60	11, 16
		CO	5.11	4.65	16, 60	16, 60	16

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		SO <sub>2</sub>	0.10	0.46	16, 60	16, 60	16
		VOC	7.24	3.15	9, 16, 25, 30, 60	9, 16, 30, 60	9, 16
		PM	0.62	2.81	16, 25, 60	16, 60	16
		PM <sub>10</sub>	0.62	2.81	16, 25, 60	16, 60	16
		PM <sub>2.5</sub>	0.62	2.81	16, 25, 60	16, 60	16
		H <sub>2</sub> S	0.01	0.01	16, 60	16, 60	16
		NH <sub>3</sub>	1.17	0.38	9, 16, 31, 60	9, 16, 31, 60	9, 16
02BAG_517	A-517-1 Baghouse	PM	0.06	0.30	14, 16, 60	14, 16, 60	16
		PM <sub>10</sub>	0.06	0.30	14, 16, 60	14, 16, 60	16
		PM <sub>2.5</sub>	0.06	0.30	14, 16, 60	14, 16, 60	16
02BAG_563	A-563/A-564 Baghouse	PM	0.14	0.61	14, 16, 60	14, 16, 60	16
		PM <sub>10</sub>	0.14	0.61	14, 16, 60	14, 16, 60	16
		PM <sub>2.5</sub>	0.14	0.61	14, 16, 60	14, 16, 60	16
02BAG_573	Baghouse A-573	PM	0.35	1.59	14, 16, 60	14, 16, 60	16
		PM <sub>10</sub>	0.35	1.59	14, 16, 60	14, 16, 60	16
		PM <sub>2.5</sub>	0.35	1.59	14, 16, 60	14, 16, 60	16
02BAG_574	Baghouse A-574	PM	0.87	3.86	14, 16, 60	14, 16, 60	16

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		PM <sub>10</sub>	0.87	3.86	14, 16, 60	14, 16, 60	16
		PM <sub>2.5</sub>	0.87	3.86	14, 16, 60	14, 16, 60	16
02BAG_590	F-590 Belt Filter	VOC	0.02	0.09	16, 60	16, 60	16
		NH <sub>3</sub>	0.04	0.15	16, 60	16, 60	16
02BAG_6302	M-6302 Bag Filter	PM	0.05	0.23	14, 16, 60	14, 16, 60	16
		PM <sub>10</sub>	0.05	0.23	14, 16, 60	14, 16, 60	16
		PM <sub>2.5</sub>	0.05	0.23	14, 16, 60	14, 16, 60	16
02BAG_6306	M-6306 Bag Filter	PM	0.03	0.13	14, 16, 60	14, 16, 60	16
		PM <sub>10</sub>	0.03	0.13	14, 16, 60	14, 16, 60	16
		PM <sub>2.5</sub>	0.03	0.13	14, 16, 60	14, 16, 60	16
02DTC_313	Dust Collector F-313	PM	0.05	0.01	60	60	
		PM <sub>10</sub>	0.05	0.01	60	60	
		PM <sub>2.5</sub>	0.05	0.01	60	60	
02DTC_6260	Dust Collector M-6260	PM	0.86	2.57	14, 60	14, 60	
		PM <sub>10</sub>	0.86	2.57	14, 60	14, 60	
		PM <sub>2.5</sub>	0.86	2.57	14, 60	14, 60	
02DTC_6402	F-6402 Dust Collector	PM	0.51	2.25	14, 16, 60	14, 16, 60	16

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		PM <sub>10</sub>	0.51	2.25	14, 16, 60	14, 16, 60	16
		PM <sub>2.5</sub>	0.51	2.25	14, 16, 60	14, 16, 60	16
02ERS_6389	ERS B-6389	NO <sub>x</sub>	55.85	17.39	9, 32, 33, 60	9, 32, 33, 60	9
		CO	7.26	16.82	60	60	
		SO <sub>2</sub>	0.62	2.70	60	60	
		VOC	16.84	3.58	9, 16, 17, 25, 28, 30, 32, 60	9, 16, 17, 25, 28, 30, 32, 60	9, 16
		PM	2.89	2.43	60	60	
		PM <sub>10</sub>	2.89	2.43	60	60	
		PM <sub>2.5</sub>	2.89	2.43	60	60	
		H <sub>2</sub> S	0.01	0.03	16, 60	16, 60	16
		NH <sub>3</sub>	5.90	3.12	9, 16, 31, 60	9, 16, 31, 60	9, 16
02FIL_211	T-546-2/T-580-2-Baghouse	PM	0.05	0.25	13, 14, 60	13, 14, 60	
		PM <sub>10</sub>	0.05	0.25	13, 14, 60	13, 14, 60	
		PM <sub>2.5</sub>	0.05	0.25	13, 14, 60	13, 14, 60	
02FUG_001	Catalyst Process Fugitive Area (5)	VOC	0.71	3.10	49, 50, 60, 63	49, 50, 60, 63	
		PM	0.15	0.65	60	60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		PM <sub>10</sub>	0.15	0.65	60	60	
		PM <sub>2.5</sub>	0.15	0.65	60	60	
		NH <sub>3</sub>	0.22	0.80			
02FUG_003	Offsites Fugitives (5)	VOC	6.00	4.99	60, 63	60, 63	
02HTR_302	Heater H-302	NO <sub>x</sub>	0.35	0.42	60	37, 60	
		CO	0.31	0.35	60	60	
		SO <sub>2</sub>	0.05	0.05	60	60	
		VOC	0.02	0.02	60	60	
		PM	0.02	0.03	60	60	
		PM <sub>10</sub>	0.02	0.03	60	60	
		PM <sub>2.5</sub>	0.02	0.03	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
02HTR_500	H-500 Heater	NO <sub>x</sub>	0.35	0.42	60	37, 60	
		CO	0.31	0.35	60	60	
		SO <sub>2</sub>	0.05	0.05	60	60	
		VOC	0.02	0.02	60	60	
		PM	0.02	0.03	60	60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		PM <sub>10</sub>	0.02	0.03	60	60	
		PM <sub>2.5</sub>	0.02	0.03	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
02HTR_501	H-501 Heater	NO <sub>x</sub>	0.35	0.42	60	37, 60	
		CO	0.31	0.35	60	60	
		SO <sub>2</sub>	0.05	0.05	60	60	
		VOC	0.02	0.02	60	60	
		PM	0.02	0.03	60	60	
		PM <sub>10</sub>	0.02	0.03	60	60	
		PM <sub>2.5</sub>	0.02	0.03	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
02HTR_622	Superheater B-6223	NO <sub>x</sub>	0.18	0.79	60	37, 60	
		CO	0.25	1.08	60	60	
		SO <sub>2</sub>	0.04	0.17	60	60	
		VOC	0.02	0.07	60	60	
		PM	0.02	0.10	60	60	
		PM <sub>10</sub>	0.02	0.10	60	60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		PM <sub>2.5</sub>	0.02	0.10	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
02HTR_632	Superheater B-6369	NO <sub>x</sub>	0.22	0.90	60	37, 60	
		CO	0.30	1.24	60	60	
		SO <sub>2</sub>	0.05	0.20	60	60	
		VOC	0.02	0.08	60	60	
		PM	0.03	0.11	60	60	
		PM <sub>10</sub>	0.03	0.11	60	60	
		PM <sub>2.5</sub>	0.03	0.11	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
02HTR_635	Superheater B-6359	NO <sub>x</sub>	0.22	0.90	60	37, 60	
		CO	0.30	1.24	60	60	
		SO <sub>2</sub>	0.05	0.20	60	60	
		VOC	0.02	0.08	60	60	
		PM	0.03	0.11	60	60	
		PM <sub>10</sub>	0.03	0.11	60	60	
		PM <sub>2.5</sub>	0.03	0.11	60	60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		H <sub>2</sub> S	0.01	0.01	60	60	
02PUM_593	P-593 Vacuum Pump	VOC	0.09	0.38	60	60	
		NH <sub>3</sub>	0.86	3.67	60	60	
02SCB_3167	Scrubbers A-316/A-317	VOC	0.62	2.51	9, 35, 60, 70	9, 35, 60, 70	9
		NH <sub>3</sub>	0.74	0.90	9, 35, 60, 70	9, 35, 60, 70	9
02TOX_6240	Thermal Oxidizer B-6240	NO <sub>x</sub>	6.00	4.34	32, 60, 70	32, 60, 70	
		CO	7.43	3.65	60, 70	60, 70	
		SO <sub>2</sub>	0.04	0.10	60, 70	60, 70	
		VOC	0.92	0.15	7, 16, 17, 32, 34, 60, 70	7, 8, 16, 17, 32, 34, 60, 70	7, 16
		PM	2.70	7.16	13, 60, 70	13, 60, 70	
		PM <sub>10</sub>	2.70	7.16	13, 60, 70	13, 60, 70	
		PM <sub>2.5</sub>	2.70	7.16	13, 60, 70	13, 60, 70	
		H <sub>2</sub> S	0.01	0.01	60, 70	60, 70	16
		Silicones	0.28	0.04	60, 70	60, 70	
02VNT_257	Calcliner V-257	PM	1.15	0.08	29, 60	29, 60	
		PM <sub>10</sub>	1.15	0.08	29, 60	29, 60	



**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		PM <sub>2.5</sub>	1.15	0.08	29, 60	29, 60	
		NH <sub>3</sub>	0.01	0.01	29, 60	29, 60	
02VNT_502	Calciner V-502	PM	1.15	0.08	60	60	
		PM <sub>10</sub>	1.15	0.08	60	60	
		PM <sub>2.5</sub>	1.15	0.08	60	60	
		NH <sub>3</sub>	0.01	0.01	29, 60	29, 60	
02VNT_520	Calciner V-520	PM	1.15	0.08	29, 60	29, 60	
		PM <sub>10</sub>	1.15	0.08	29, 60	29, 60	
		PM <sub>2.5</sub>	1.15	0.08	29, 60	29, 60	
		NH <sub>3</sub>	0.01	0.01	29, 60	29, 60	
03FUG_001	Cyclohexane Unit Fugitives (5)	VOC	2.27	4.97	7, 52, 54, 60, 63	7, 8, 52, 60, 63	7, 52
04CAS_033	Ethylene Unit Carbon Canisters	VOC	0.49	1.08	7, 40, 60, 70	7, 8, 40, 60, 70	7
04CAS_034	Ethylene Unit Carbon Canisters	VOC	0.49	1.08	7, 40, 60, 70	7, 8, 40, 60, 70	7
04CTL_001	Cooling Tower No. 1	VOC	4.20	18.40	7, 38	7, 8, 38	7
		PM	19.53	85.52			

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		PM <sub>10</sub>	19.53	85.52			
		PM <sub>2.5</sub>	19.53	85.52			
04FUG_001	Ethylene Unit Fugitives (5)	VOC	10.80	47.40	7, 52, 54, 60, 63	7, 8, 52, 60, 63	7, 52
04FUG_003	RGCB Fugitives (5)	VOC	4.55	19.94	7, 52, 54, 60, 63	7, 8, 52, 60, 63	7, 52
04HTR_201	B-201 Drier Regen. Gas Heater	NO <sub>x</sub>	1.26	5.52	7, 60	7, 8, 37, 60	7
		CO	0.61	2.66	7, 60	7, 8, 60	7
		SO <sub>2</sub>	0.01	0.07	7, 60	7, 8, 60	7
		VOC	0.10	0.22	7, 60	7, 8, 60	7
		PM	0.28	1.22	7, 60	7, 8, 60	7
		PM <sub>10</sub>	0.28	1.22	7, 60	7, 8, 60	7
		PM <sub>2.5</sub>	0.28	1.22	7, 60	7, 8, 60	7
		H <sub>2</sub> S	0.01	0.01	7, 60	7, 8, 60	7
04HTR_401	B-401 Acetylene Regen.Gas Heater	NO <sub>x</sub>	1.20	2.63	7, 60	7, 8, 37, 60	7
		CO	0.52	1.14	7, 60	7, 8, 60	7
		SO <sub>2</sub>	0.01	0.05	7, 60	7, 8, 60	7
		VOC	0.06	0.14	7, 60	7, 8, 60	7

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		PM	0.15	0.65	7, 60	7, 8, 60	7
		PM <sub>10</sub>	0.15	0.65	7, 60	7, 8, 60	7
		PM <sub>2.5</sub>	0.15	0.65	7, 60	7, 8, 60	7
		H <sub>2</sub> S	0.01	0.01	7, 60	7, 8, 60	7
04HTR_403	B-403 Rerun Tower Reboiler	NO <sub>x</sub>	1.33	5.82	7, 60	7, 8, 37, 60	7
		CO	0.64	2.81	7, 60	7, 8, 60	7
		SO <sub>2</sub>	0.01	0.07	7, 60	7, 8, 60	7
		VOC	0.05	0.23	7, 60	7, 8, 60	7
		PM	0.29	1.29	7, 60	7, 8, 60	7
		PM <sub>10</sub>	0.29	1.29	7, 60	7, 8, 60	7
		PM <sub>2.5</sub>	0.29	1.29	7, 60	7, 8, 60	7
		H <sub>2</sub> S	0.01	0.01	7, 60	7, 8, 60	7
04TFX_3269	Condensate Stripper Antifoulant Tank	VOC	0.41	0.01	39, 60, 65	39, 60, 65	
04VNT_103	Acetylene/MAPD Converter Regenerator Vent	NO <sub>x</sub>	0.07	0.01	5	5	
		CO	1.02	0.15	5	5	
		VOC	8.32	0.55	5, 60	5, 60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		PM	0.02	0.01	5	5	
		PM <sub>10</sub>	0.02	0.01	5	5	
		PM <sub>2.5</sub>	0.02	0.01	5	5	
05FUG_001	Fugitive (5)	VOC	5.95	5.93	7, 60, 63	7, 8, 60, 63	7
		PM	0.16	0.01	60	60	
		PM <sub>10</sub>	0.16	0.01	60	60	
		PM <sub>2.5</sub>	0.16	0.01	60	60	
05FUG_002	Loading Fugitives (5)	VOC	5.30	0.98	7, 60, 63	7, 8, 60, 63	7
06DEG_001	Olefins Degreaser	VOC	0.10	0.22	60	60	
06DEG_002	Olefins Degreaser	VOC	0.10	0.22	60	60	
06TFX_4051	USC-1 Aqueous Amine Tank	VOC	0.04	0.05	39, 60, 65	39, 60, 65	
06TFX_4052	USC-2 Aqueous Amine Tank	VOC	0.21	0.01	39, 60, 65	39, 60, 65	
07CTL_001	BCSP Main Plant Cooling Tower	VOC	0.17	0.74	7, 38, 60	7, 8, 38, 60	7
		PM	0.81	3.56	60	60	
		PM <sub>10</sub>	0.81	3.56	60	60	
		PM <sub>2.5</sub>	0.81	3.56	60	60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
07CTL_002	BCSP West Plant Cooling Tower	VOC	0.02	0.09	7, 38, 60	7, 8, 38, 60	7
		PM	0.10	0.45	60	60	
		PM <sub>10</sub>	0.10	0.45	60	60	
		PM <sub>2.5</sub>	0.10	0.45	60	60	
07FUG_001	PAO Fugitives (5)	VOC	7.60	15.12	7, 49, 60, 63	7, 8, 49, 60, 63	7
		PM	0.08	0.57	60	60	
		PM <sub>10</sub>	0.08	0.57	60	60	
		PM <sub>2.5</sub>	0.08	0.57	60	60	
07FUG_002	PAO Loading Emissions (5)	VOC	25.86	6.95	7, 60, 63	7, 8, 60, 63	7
07FUG_003	HVI Fugitive Emissions (5)	VOC	0.82	3.99	53, 60, 63	53, 60, 63	
07HTR_7701	Heater H-7701	NO <sub>x</sub>	1.44	9.81	60	37, 60	
		CO	1.03	7.77	60	60	
		SO <sub>2</sub>	0.01	0.63	60	60	
		VOC	0.04	0.38	60	60	
		PM	0.19	1.13	60	60	
		PM <sub>10</sub>	0.19	1.13	60	60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		PM <sub>2.5</sub>	0.19	1.13	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
07HTR_7708	Dowtherm Heater H-7708	NO <sub>x</sub>	0.51	2.23	60	37, 60	
		CO	0.49	2.16	60	60	
		SO <sub>2</sub>	0.09	0.39	60	60	
		VOC	0.04	0.16	60	60	
		PM	0.05	0.22	60	60	
		PM <sub>10</sub>	0.05	0.22	60	60	
		PM <sub>2.5</sub>	0.05	0.22	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
07SCB_207	Scrubber C-207	VOC	61.39	12.36	60	60	
		HCl	0.01	0.01			
		BF <sub>3</sub>	0.01	0.04			
07WWS_001	Wastewater System	VOC	11.41	9.91	7, 60	7, 8, 60	7
08BLR_9201	Reboiler B-9201	NO <sub>x</sub>	7.23	20.50	60	37, 60	
		CO	2.89	9.11	60	60	
		SO <sub>2</sub>	0.09	0.27	60	60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		VOC	0.78	2.45	60	60	
		PM	0.72	2.28	60	60	
		PM <sub>10</sub>	0.72	2.28	60	60	
		PM <sub>2.5</sub>	0.72	2.28	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
08BLR_9400	Reboiler B-9400	NO <sub>x</sub>	2.75	8.77	60	37, 60	
		CO	1.10	3.90	60	60	
		SO <sub>2</sub>	0.03	0.11	60	60	
		VOC	0.30	1.05	60	60	
		PM	0.28	0.97	60	60	
		PM <sub>10</sub>	0.28	0.97	60	60	
		PM <sub>2.5</sub>	0.28	0.97	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
08BLR_9401	Reboiler B-9401	NO <sub>x</sub>	15.32	48.88	11, 12, 60	11, 12, 37, 60	11
		CO	6.13	24.44	60	60	
		SO <sub>2</sub>	0.18	0.71	60	60	
		VOC	1.65	6.58	60	60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		PM	1.53	6.11	60	60	
		PM <sub>10</sub>	1.53	6.11	60	60	
		PM <sub>2.5</sub>	1.53	6.11	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
08BLR_9402	Reboiler B-9402	NO <sub>x</sub>	2.79	7.96	60	37, 60	
		CO	1.12	3.54	60	60	
		SO <sub>2</sub>	0.03	0.10	60	60	
		VOC	0.30	0.95	60	60	
		PM	0.28	0.88	60	60	
		PM <sub>10</sub>	0.28	0.88	60	60	
		PM <sub>2.5</sub>	0.28	0.88	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
08CTL_9601	Cooling Tower M-9601	VOC	0.50	2.21	7, 38, 60	7, 8, 38, 60	7
		PM	1.63	7.13	60	60	
		PM <sub>10</sub>	1.63	7.13	60	60	
		PM <sub>2.5</sub>	1.63	7.13	60	60	
08FUG_001	Process Fugitives (5)	VOC	0.47	2.03	7, 52, 54, 60, 63	7, 8, 52, 60, 63	7, 52



**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
08HTR_9301	Heater B-9301	NO <sub>x</sub>	4.48	17.54	60	37, 60	
		CO	1.79	7.80	60	60	
		SO <sub>2</sub>	0.05	0.23	60	60	
		VOC	0.48	2.10	60	60	
		PM	0.45	1.95	60	60	
		PM <sub>10</sub>	0.45	1.95	60	60	
		PM <sub>2.5</sub>	0.45	1.95	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
08LWF_9602	Wharf Loading VCS	NO <sub>x</sub>	7.40	16.21	57, 60	57, 60	57
		CO	2.30	5.04	57, 60	57, 60	57
		SO <sub>2</sub>	0.01	0.01	57, 60	57, 60	57
		VOC	13.79	11.75	7, 9, 15, 17, 19, 21, 57, 60	7, 8, 9, 15, 17, 19, 21, 57, 60	7, 9, 15, 21, 57
		H <sub>2</sub> S	0.01	0.01	57, 60	57, 60	57
09CAS_031	USC I Carbon Canisters	VOC	0.64	2.78	7, 40, 60, 70	7, 8, 40, 60, 70	7
09CTL_003	Cooling Tower No. 3	VOC	1.05	4.60	7, 38, 60	7, 8, 38, 60	7, 38
		PM	4.55	19.94	60	60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		PM <sub>10</sub>	4.55	19.94	60	60	
		PM <sub>2.5</sub>	4.55	19.94	60	60	
09FRN_210A	B-2101 A Furnace	NO <sub>x</sub>	10.32	44.75	60	37, 60	
		CO	10.62	32.71	60	60	
		SO <sub>2</sub>	0.08	0.23	60	60	
		VOC	0.70	2.14	60	60	
		PM	0.96	2.96	60	60	
		PM <sub>10</sub>	0.96	2.96	60	60	
		PM <sub>2.5</sub>	0.96	2.96	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
09FRN_210B	B-2101B Furnace	NO <sub>x</sub>	10.32	44.75	60	37, 60	
		CO	10.62	32.71	60	60	
		SO <sub>2</sub>	0.08	0.23	60	60	
		VOC	0.70	2.14	60	60	
		PM	0.96	2.96	60	60	
		PM <sub>10</sub>	0.96	2.96	60	60	
		PM <sub>2.5</sub>	0.96	2.96	60	60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		H <sub>2</sub> S	0.01	0.01	60	60	
09FRN_210C	B-2101C Furnace	NO <sub>x</sub>	10.32	44.75	60	37, 60	
		CO	10.62	32.71	60	60	
		SO <sub>2</sub>	0.08	0.23	60	60	
		VOC	0.70	2.14	60	60	
		PM	0.96	2.96	60	60	
		PM <sub>10</sub>	0.96	2.96	60	60	
		PM <sub>2.5</sub>	0.96	2.96	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
09FRN_210D	B-2101D Furnace	NO <sub>x</sub>	10.32	44.75	60	37, 60	
		CO	10.62	32.71	60	60	
		SO <sub>2</sub>	0.08	0.23	60	60	
		VOC	0.70	2.14	60	60	
		PM	0.96	2.96	60	60	
		PM <sub>10</sub>	0.96	2.96	60	60	
		PM <sub>2.5</sub>	0.96	2.96	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
09FRN_210E	B-2101E Furnace	NO <sub>x</sub>	10.32	44.75	60	37, 60	
		CO	10.62	32.71	60	60	
		SO <sub>2</sub>	0.08	0.23	60	60	
		VOC	0.70	2.14	60	60	
		PM	0.96	2.96	60	60	
		PM <sub>10</sub>	0.96	2.96	60	60	
		PM <sub>2.5</sub>	0.96	2.96	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
09FRN_210F	B-2101F Furnace	NO <sub>x</sub>	10.32	44.75	60	37, 60	
		CO	10.62	32.71	60	60	
		SO <sub>2</sub>	0.08	0.23	60	60	
		VOC	0.70	2.14	60	60	
		PM	0.96	2.96	60	60	
		PM <sub>10</sub>	0.96	2.96	60	60	
		PM <sub>2.5</sub>	0.96	2.96	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
09FUG_001	USC I Fugitives (5)	VOC	4.80	21.79	7, 52, 54, 60, 63	7, 8, 52, 60, 63	7, 52

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
09TFX_072A	USC-1 Antifoulant Tank	VOC	0.88	0.01	39, 60, 65	39, 60, 65	
09VNT_027	Decoking Vent B-2101 A,B,C	CO	1285.42	16.65	60	60	
		SO <sub>2</sub>	0.15	0.01	60	60	
		PM	69.44	1.03	60	60	
		PM <sub>10</sub>	27.08	0.57	60	60	
		PM <sub>2.5</sub>	27.08	0.57	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
09VNT_030	Decoking Vent B-2101 D,E,F	CO	1285.42	16.65	60	60	
		SO <sub>2</sub>	0.15	0.01	60	60	
		PM	69.44	1.03	60	60	
		PM <sub>10</sub>	27.08	0.57	60	60	
		PM <sub>2.5</sub>	27.08	0.57	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
10BLR_6901	B-6901 A, B 1,500 psia Boilers	NO <sub>x</sub>	99.70	317.00	60	37, 60	
		CO	8.40	20.80	60	60	
		SO <sub>2</sub>	0.50	1.40	3, 9, 60	3, 9, 60	3, 9
		VOC	1.50	3.60	60	60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		PM	5.00	12.20	60	60	
		PM <sub>10</sub>	5.00	12.20	60	60	
		PM <sub>2.5</sub>	5.00	12.20	60	60	
		H <sub>2</sub> S	0.01	0.01	3, 9, 60	3, 9, 60	3, 9
10CAS_032	USC II Carbon Canisters	VOC	0.39	1.73	7, 40, 60, 70	7, 8, 40, 60, 70	7
10CTL_004	Cooling Tower No. 4	VOC	0.55	2.41	7, 38, 60	7, 8, 38, 60	7
		PM	2.65	11.62	60	60	
		PM <sub>10</sub>	2.65	11.62	60	60	
		PM <sub>2.5</sub>	2.65	11.62	60	60	
10FRN_610A	B-6101A Furnace	NO <sub>x</sub>	13.59	53.77	60	37, 60	
		CO	13.99	39.30	60	60	
		SO <sub>2</sub>	0.10	0.40	3, 9, 60	3, 9, 60	3, 9
		VOC	0.92	2.57	60	60	
		PM	1.27	3.56	60	60	
		PM <sub>10</sub>	1.27	3.56	60	60	
		PM <sub>2.5</sub>	1.27	3.56	60	60	
		H <sub>2</sub> S	0.01	0.01	3, 9, 60	3, 9, 60	3, 9

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
10FRN_610B	B-6101B Furnace	NO <sub>x</sub>	13.59	53.77	60	37, 60	
		CO	13.99	39.30	60	60	
		SO <sub>2</sub>	0.10	0.40	3, 9, 60	3, 9, 60	3, 9
		VOC	0.92	2.57	60	60	
		PM	1.27	3.56	60	60	
		PM <sub>10</sub>	1.27	3.56	60	60	
		PM <sub>2.5</sub>	1.27	3.56	60	60	
		H <sub>2</sub> S	0.01	0.01	3, 9, 60	3, 9, 60	3, 9
10FRN_610C	B-6101C Furnace	NO <sub>x</sub>	13.59	53.77	60	37, 60	
		CO	13.99	39.30	60	60	
		SO <sub>2</sub>	0.10	0.40	3, 9, 60	3, 9, 60	3, 9
		VOC	0.92	2.57	60	60	
		PM	1.27	3.56	60	60	
		PM <sub>10</sub>	1.27	3.56	60	60	
		PM <sub>2.5</sub>	1.27	3.56	60	60	
		H <sub>2</sub> S	0.01	0.01	3, 9, 60	3, 9, 60	3, 9
10FRN_610D	B-6101D Furnace	NO <sub>x</sub>	13.59	53.77	60	37, 60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		CO	13.99	39.30	60	60	
		SO <sub>2</sub>	0.10	0.40	3, 9, 60	3, 9, 60	3, 9
		VOC	0.92	2.57	60	60	
		PM	1.27	3.56	60	60	
		PM <sub>10</sub>	1.27	3.56	60	60	
		PM <sub>2.5</sub>	1.27	3.56	60	60	
		H <sub>2</sub> S	0.01	0.01	3, 9, 60	3, 9, 60	3, 9
10FRN_615A	B-6151A Furnace	NO <sub>x</sub>	11.60	48.57	60	37, 60	
		CO	11.94	35.50	60	60	
		SO <sub>2</sub>	0.09	0.36	3, 9, 60	3, 9, 60	3, 9
		VOC	0.78	2.32	60	60	
		PM	1.08	3.21	60	60	
		PM <sub>10</sub>	1.08	3.21	60	60	
		PM <sub>2.5</sub>	1.08	3.21	60	60	
		H <sub>2</sub> S	0.01	0.01	3, 9, 60	3, 9, 60	3, 9
10FRN_615B	B-6151B Furnace	NO <sub>x</sub>	11.60	48.57	60	37, 60	
		CO	11.94	35.50	60	60	



**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		SO <sub>2</sub>	0.09	0.36	3, 9, 60	3, 9, 60	3, 9
		VOC	0.78	2.32	60	60	
		PM	1.08	3.21	60	60	
		PM <sub>10</sub>	1.08	3.21	60	60	
		PM <sub>2.5</sub>	1.08	3.21	60	60	
		H <sub>2</sub> S	0.01	0.01	3, 9, 60	3, 9, 60	3, 9
10FRN_630A	B-6301A Furnace (normal operation and hot steam standby)	NO <sub>x</sub>	19.09	66.19	11, 12, 60	9, 11, 12, 37, 60	11
		CO	12.73	44.13	60	60	
		SO <sub>2</sub>	0.19	0.66	3, 9, 60	3, 9, 60	3, 9
		VOC	1.84	4.53	60	60	
		PM	2.55	6.27	60	60	
		PM <sub>10</sub>	2.55	6.27	60	60	
		PM <sub>2.5</sub>	2.55	6.27	60	60	
		H <sub>2</sub> S	0.01	0.01	3, 9, 60	3, 9, 60	3, 9
	B-6301A Furnace (decoking conditions)	NO <sub>x</sub>	25.46	-	11, 12, 60, 69	11, 12, 37, 60, 69	11
10FRN_630B	B-6301B Furnace	NO <sub>x</sub>	19.09	66.19	11, 12, 60	9, 11, 12, 37, 60	11

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
	(normal operation and hot steam standby)	CO	12.73	44.13	60	60	
		SO <sub>2</sub>	0.19	0.66	3, 9, 60	3, 9, 60	3, 9
		VOC	1.84	4.53	60	60	
		PM	2.55	6.27	60	60	
		PM <sub>10</sub>	2.55	6.27	60	60	
		PM <sub>2.5</sub>	2.55	6.27	60	60	
		H <sub>2</sub> S	0.01	0.01	3, 9, 60	3, 9, 60	3, 9
	B-6301B Furnace (decoking conditions)	NO <sub>x</sub>	25.46	-	11, 12, 60, 69	11, 12, 37, 60, 69	11
10FUG_001	USC II Fugitives (5)	VOC	6.29	27.80	7, 52, 54, 60, 63	7, 8, 52, 60, 63	7, 52
10VNT_023	Decoking Vent B-6101 A, B	CO	1017.99	12.55	60	60	
		SO <sub>2</sub>	0.11	0.01	60	60	
		PM	56.62	0.80	60	60	
		PM <sub>10</sub>	22.08	0.46	60	60	
		PM <sub>2.5</sub>	22.08	0.46	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
10VNT_024	Decoking Vent B-6101 C,	CO	1017.99	12.55	60	60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
	D	SO <sub>2</sub>	0.11	0.01	60	60	
		PM	56.62	0.80	60	60	
		PM <sub>10</sub>	22.08	0.46	60	60	
		PM <sub>2.5</sub>	22.08	0.46	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
10VNT_025	Decoking Vent B-6151 A, B	CO	856.94	10.38	60	60	
		SO <sub>2</sub>	0.09	0.01	60	60	
		PM	45.70	0.66	60	60	
		PM <sub>10</sub>	17.82	0.38	60	60	
		PM <sub>2.5</sub>	17.82	0.38	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
10VNT_6301	Decoking Vent B-630 1 A, B	CO	2120.82	42.55	60	60	
		SO <sub>2</sub>	0.23	0.01	60	60	
		PM	115.74	2.65	60	60	
		PM <sub>10</sub>	45.14	1.46	60	60	
		PM <sub>2.5</sub>	45.14	1.46	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
11CAS_043	Movements Carbon Canisters	VOC	2.87	6.28	7, 17, 40, 60, 70	7, 8, 17, 40, 60, 70	7
11ENG_039	Emergency Fire Water Pump	NO <sub>x</sub>	10.85	0.14	60	60	
		CO	2.34	0.03	60	60	
		SO <sub>2</sub>	0.72	0.01	60	60	
		VOC	0.88	0.01	60	60	
		PM	0.77	0.01	60	60	
		PM <sub>10</sub>	0.77	0.01	60	60	
		PM <sub>2.5</sub>	0.77	0.01	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
11ENG_040	Emergency Fire Water Pump (26 hours per year)	NO <sub>x</sub>	11.78	0.15	60	60	
		CO	2.54	0.03	60	60	
		SO <sub>2</sub>	0.78	0.01	60	60	
		VOC	0.95	0.01	60	60	
		PM	0.84	0.01	60	60	
		PM <sub>10</sub>	0.84	0.01	60	60	
		PM <sub>2.5</sub>	0.84	0.01	60	60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		H <sub>2</sub> S	0.01	0.01	60	60	
11ENG_057	Emergency Fire Water Pump (26 hours per year)	NO <sub>x</sub>	16.18	0.21	60	60	
		CO	3.49	0.05	60	60	
		SO <sub>2</sub>	1.07	0.01	60	60	
		VOC	1.31	0.02	60	60	
		PM	1.15	0.01	60	60	
		PM <sub>10</sub>	1.15	0.01	60	60	
		PM <sub>2.5</sub>	1.15	0.01	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
11ENG_105	Rental Air Compressor at USC-2	NO <sub>x</sub>	6.99	4.89	60	60	
		CO	1.21	0.85	60	60	
		SO <sub>2</sub>	0.16	0.11	60	60	
		VOC	0.20	0.14	60	60	
		PM	0.10	0.07	60	60	
		PM <sub>10</sub>	0.10	0.07	60	60	
		PM <sub>2.5</sub>	0.10	0.07	60	60	
11ENG_9616	Emergency Fire Water	NO <sub>x</sub>	16.93	0.22	60	60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
	Pump (876 hours per year)	CO	3.65	0.05	60	60	
		SO <sub>2</sub>	1.12	0.01	60	60	
		VOC	1.37	0.02	60	60	
		PM	1.20	0.02	60	60	
		PM <sub>10</sub>	1.20	0.02	60	60	
		PM <sub>2.5</sub>	1.20	0.02	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
11FLR_4142	LP Flare (East Flare, 11FLR_041) + HP Flare (West Flare, 11FLR_042)	NO <sub>x</sub>	60.26	77.31	10, 60, 78, 79, 81 , 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 94, 95, 96, 97, 100, 102, 103, 105	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 94, 95, 96, 97, 100, 102, 103, 104, 106	94
		CO	379.16	393.95	10, 60, 78, 79, 81 , 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 94, 95, 96, 97, 100, 102, 103, 105	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 94, 95, 96, 97, 100, 102, 103, 104, 106	94
		SO <sub>2</sub>	33.17	0.86	10, 60, 78, 79, 81 , 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 94, 95, 96, 97, 100, 102, 103, 105	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 94, 95, 96, 97, 100, 102, 103, 104, 106	94
		VOC	272.16	179.81	7, 9 10, 15, 17, 60, 70, 78, 79, 81 , 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 94, 95, 96, 97,	7, 8, 9 10, 15, 17, 60, 70, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 94, 95, 96, 97, 100, 102,	7, 9, 15, 94

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
					100, 102, 103, 105	103, 104, 106	
		H <sub>2</sub> S	0.35	0.02	10, 60, 78, 79, 81 , 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 94, 95, 96, 97, 100, 102, 103, 105	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 94, 95, 96, 97, 100, 102, 103, 104, 106	94
11FLR_043	UDEX Flare	NO <sub>x</sub>	20.34	46.23	10, 60, 78, 79, 81 , 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 94, 95, 96, 97, 100, 102, 103, 105	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 94, 95, 96, 97, 100, 102, 103, 104, 106	94
		CO	129.33	124.36	10, 60, 78, 79, 81 , 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 94, 95, 96, 97, 100, 102, 103, 105	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 94, 95, 96, 97, 100, 102, 103, 104, 106	94
		SO <sub>2</sub>	8.91	1.82	10, 60, 78, 79, 81 , 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 94, 95, 96, 97, 100, 102, 103, 105	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 94, 95, 96, 97, 100, 102, 103, 104, 106	94
		VOC	193.42	78.16	7, 9 10, 15, 17, 60, 70, 78, 79, 81 , 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 94, 95, 96, 97, 100, 102, 103, 105	7, 8, 9 10, 15, 17, 60, 70, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 94, 95, 96, 97, 100, 102, 103, 104, 106	7, 9, 15, 94
		H <sub>2</sub> S	0.09	0.02	10, 60, 78, 79, 81 , 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 94, 95, 96, 97, 100, 102, 103, 105	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 94, 95, 96, 97, 100, 102, 103, 104, 106	94

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
11FLR_9601	Paraxylene Flare	NO <sub>x</sub>	36.52	27.58	10, 60, 78, 79, 81 , 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 95, 96, 97, 100, 102, 103, 105	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 95, 96, 97, 100, 102, 103, 104, 106	
		CO	223.46	149.52	10, 60, 78, 79, 81 , 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 95, 96, 97, 100, 102, 103, 105	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 95, 96, 97, 100, 102, 103, 104, 106	
		SO <sub>2</sub>	20.41	0.29	10, 60, 78, 79, 81 , 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 95, 96, 97, 100, 102, 103, 105	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 95, 96, 97, 100, 102, 103, 104, 106	
		VOC	270.01	27.16	7, 9 10, 15, 17, 60, 78, 79, 81 , 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 95, 96, 97, 100, 102, 103, 105	7, 8, 9 10, 15, 17, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 95, 96, 97, 100, 102, 103, 104, 106	7, 9, 15
		H <sub>2</sub> S	0.22	0.01	10, 60, 78, 79, 81 , 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 95, 96, 97, 100, 102, 103, 105	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 95, 96, 97, 100, 102, 103, 104, 106	
11FLR_613	C&S Flare	NO <sub>x</sub>	5.87	11.34	10, 60, 78, 79, 81 , 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 95, 96, 97, 100, 102, 103, 105	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 95, 96, 97, 100, 102, 103, 104, 106	
		CO	21.60	55.33	10, 60, 78, 79, 81 , 82, 83, 84, 85, 86, 87, 89,	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91,	



**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
					90, 91, 92, 95, 96, 97, 100, 102, 103, 105	95, 96, 97, 100, 102, 103, 104, 106	
		SO <sub>2</sub>	0.41	1.69	10, 60, 78, 79, 81, 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 95, 96, 97, 100, 102, 103, 105	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 95, 96, 97, 100, 102, 103, 104, 106	
		VOC	7.59	10.38	7, 9, 10, 16, 17, 60, 70, 78, 79, 81, 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 95, 96, 97, 100, 102, 103, 105	7, 8, 9, 10, 16, 17, 60, 70, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 95, 96, 97, 100, 102, 103, 104, 106	7, 9, 16
		H <sub>2</sub> S	0.01	0.02	10, 60, 78, 79, 81, 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 95, 96, 97, 100, 102, 103, 105	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 95, 96, 97, 100, 102, 103, 104, 106	
		HCl	0.02	0.09	10, 60, 78, 79, 81, 82, 83, 84, 85, 86, 87, 89, 90, 91, 92, 95, 96, 97, 100, 102, 103, 105	10, 60, 78, 79, 80, 82, 83, 85, 86, 89, 90, 91, 95, 96, 97, 100, 102, 103, 104, 106	
11FUG_001	Olefins Offsite Area Fugitives (5)	VOC	1.86	33.15	7, 52, 54, 60, 63	7, 8, 52, 60, 63	7, 52
11FUG_002	Process Fugitives (5)	VOC	2.35	10.20	7, 52, 54, 60, 63	7, 8, 52, 60, 63	7, 52
11FUG_004	Rail Loading Fugitives (5)	VOC	0.67	2.95	7, 43, 52, 54, 60, 63	7, 8, 52, 60, 63	7, 52
11LFS_036	No.2 Lift Station Gas	NO <sub>x</sub>	3.10	0.34	60	60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
	Engine South	SO <sub>2</sub>	0.01	0.01	60	60	
		VOC	3.10	1.32	7, 60	7, 8, 60	7
		H <sub>2</sub> S	0.01	0.01	60	60	
11LFS_037	No. 2 Lift Station Middle (330 hours per year)	NO <sub>x</sub>	1.75	0.29	60	60	
		CO	1.15	0.19	60	60	
		SO <sub>2</sub>	0.01	0.01	60	60	
		VOC	0.25	0.04	7, 60	7, 8, 60	7
		PM	0.01	0.01	60	60	
		PM <sub>10</sub>	0.01	0.01	60	60	
		PM <sub>2.5</sub>	0.01	0.01	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
11LFS_037A	No. 2 Lift Station North (100 hours per year)	NO <sub>x</sub>	1.92	0.10	60	60	
		CO	1.26	0.06	60	60	
		SO <sub>2</sub>	0.01	0.01	60	60	
		VOC	0.27	0.02	7, 60	7, 8, 60	7
		PM	0.01	0.01	60	60	
		PM <sub>10</sub>	0.01	0.01	60	60	

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		PM <sub>2.5</sub>	0.01	0.01	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
11TFX_004	Sulfuric Acid Storage Tank	H <sub>2</sub> SO <sub>4</sub>	0.01	0.01	65	65	
11TEF_034	Reformate Storage Tank	VOC	0.81	1.05	7, 39, 60, 64	7, 8, 39, 60, 64	7
11TFX_079	Sulfuric Acid Storage Tank	H <sub>2</sub> SO <sub>4</sub>	0.01	0.01	65	65	
11TFX_088	Diesel Storage Tank	VOC	0.26	0.01	39, 60, 65	39, 60, 65	
11TFX_089	Diesel Storage Tank	VOC	0.26	0.01	39, 60, 65	39, 60, 65	
11TFX_104	Diesel Tank	VOC	0.26	0.01	39, 60, 65	39, 60, 65	
11TFX_105	Gasoline Tank	VOC	0.14	0.30	39, 60, 65	39, 60, 65	
11TFX_106	Diesel Tank	VOC	0.26	0.01	39, 60, 65	39, 60, 65	
11TFX_1201	Diesel Storage Tank	VOC	0.26	0.01	39, 60, 65	39, 60, 65	
11TFX_9621	Diesel Storage Tank	VOC	0.26	0.01	39, 60, 65	39, 60, 65	
11TOX_9603	Wharf Tank Farm Thermal Oxidizer	NO <sub>x</sub>	0.20	0.88	60	60	
		CO	0.35	1.55	60	60	
		SO <sub>2</sub>	0.01	0.01	60	60	
		VOC	0.86	3.48	7, 15, 17, 19, 60	7, 8, 15, 17, 19, 60	7, 15

**Major NSR Summary Table**

Permit Numbers: 83702, PSDTX843M2, PSDTX860M2, and PAL15					Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hour	TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		PM	0.26	1.14	60	60	
		PM <sub>10</sub>	0.26	1.14	60	60	
		PM <sub>2.5</sub>	0.26	1.14	60	60	
		H <sub>2</sub> S	0.01	0.01	60	60	
11TOX_9604	Refinery Tank Farm Thermal Oxidizer	NO <sub>x</sub>	0.20	0.88	57, 60	57, 60	57
		CO	0.12	0.53	57, 60	57, 60	57
		SO <sub>2</sub>	0.01	0.01	57, 60	57, 60	57
		VOC	0.31	1.34	7, 15, 17, 19, 57, 60	7, 8, 15, 17, 19, 57, 60	7, 15, 57
		PM	0.10	0.44	57, 60	57, 60	57
		PM <sub>10</sub>	0.10	0.44	57, 60	57, 60	57
		PM <sub>2.5</sub>	0.10	0.44	57, 60	57, 60	57
		H <sub>2</sub> S	0.01	0.01	57, 60	57, 60	57

(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<sub>x</sub> - total oxides of nitrogen

CO - carbon monoxide

SO<sub>2</sub> - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented

PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented

PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

HCl	- hydrogen chloride
H <sub>2</sub> SO <sub>4</sub>	- sulfuric acid
H <sub>2</sub> S	- hydrogen sulfide
BF <sub>3</sub>	- boron trifluoride
NH <sub>3</sub>	- ammonia
NH <sub>4</sub> NO <sub>3</sub>	- ammonia nitrate
HNO <sub>3</sub>	- nitric acid

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) See Attachment D for the list of Emission Point Numbers and Source Names included in each cap.

**Major NSR Summary Table**

Permit Number: GHGPSDTX176				Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
MSSAE1	MSS Atmospheric Emissions	CH <sub>4</sub> (5)	0.03			
		CO <sub>2</sub> e	0.81			
11FLR_4142	LP Flare (East Flare, 11FLR_041) + HP Flare (West Flare, 11FLR_042)	CO <sub>2</sub> (5)	147,057.90	72	74	
		CH <sub>4</sub> (5)	2.77	72	74	
		N <sub>2</sub> O (5)	0.28	72	74	
		CO <sub>2</sub> e	147,209.78	72	74	
11FLR_043	UDEX Flare	CO <sub>2</sub> (5)	48,386.79	72	74	
		CH <sub>4</sub> (5)	0.91	72	74	
		N <sub>2</sub> O (5)	0.09	72	74	
		CO <sub>2</sub> e	48,436.77	72	74	
11FLR_9601	Paraxylene Flare	CO <sub>2</sub> (5)	51,351.67	72	74	
		CH <sub>4</sub> (5)	0.97	72	74	
		N <sub>2</sub> O (5)	0.10	72	74	
		CO <sub>2</sub> e	51,404.71	72	74	
11FLR_613	C&S Flare	CO <sub>2</sub> (5)	2,075.41	72	74	
		CH <sub>4</sub> (5)	0.04	72	74	
		N <sub>2</sub> O (5)	<0.01	72	74	
		CO <sub>2</sub> e	2,077.56	72	74	
11FUG_002	Process Fugitives (5)	CH <sub>4</sub> (5)	0.42			

**Major NSR Summary Table**

Permit Number: GHGPSDTX176				Issuance Date: 12/18/2020		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY (4)	Special Condition/ Application Information	Special Condition/ Application Information	Special Condition/ Application Information
		CO <sub>2</sub> e	10.51			

- (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<sub>2</sub> - carbon dioxide  
 N<sub>2</sub>O - nitrous oxide  
 CH<sub>4</sub> - methane  
 CO<sub>2</sub>e - carbon dioxide equivalents based on the following Global Warming Potentials (GWP) found in Table A-1 of Subpart A 40 CFR Part 98 (78 FR 71904) for each pollutant: CO<sub>2</sub> (1), N<sub>2</sub>O (298), CH<sub>4</sub>(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) See Attachment D for the list of Emission Point Numbers and Source Names included in each cap.



## Texas Commission on Environmental Quality Air Quality Permit

*A Permit Is Hereby Issued To*  
**ExxonMobil Oil Corporation**  
*Authorizing the Construction and Operation of*  
**ExxonMobil Oil Beaumont Chemical Plant**  
*Located at Beaumont, Jefferson County, Texas*  
*Latitude 30° 4' 5" Longitude -94° 3' 35"*

Permits: 83702, GHGPSDTX176, PAL15,  
PSDTX843M2, and PSDTX860M2

Revision Date: December 18, 2020

Expiration Date: May 26, 2021

A handwritten signature in black ink, appearing to read "T. G. Baker".

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)]<sup>1</sup>
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)] <sup>1</sup>
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. <sup>1</sup>

<sup>1</sup> Please be advised that the requirements of this provision of the general conditions may not be applicable to greenhouse gas emissions.

## Common Acronyms in Air Permits

°C = Temperature in degrees Celsius	GLCmax = maximum (predicted) ground-level concentration
°F = Temperature in degrees Fahrenheit	gpm = gallon per minute
°K = Temperature in degrees Kelvin	gr/1000scf = grain per 1000 standard cubic feet
µg = microgram	gr/dscf = grain per dry standard cubic feet
µg/m <sup>3</sup> = microgram per cubic meter	H <sub>2</sub> CO = formaldehyde
acfm = actual cubic feet per minute	H <sub>2</sub> S = hydrogen sulfide
AMOC = alternate means of control	H <sub>2</sub> SO <sub>4</sub> = sulfuric acid
AOS = alternative operating scenario	HAP = hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
AP-42 = Air Pollutant Emission Factors, 5th edition	HC = hydrocarbons
APD = Air Permits Division	HCl = hydrochloric acid, hydrogen chloride
API = American Petroleum Institute	Hg = mercury
APWL = air pollutant watch list	HGB = Houston/Galveston/Brazoria
BPA = Beaumont/ Port Arthur	hp = horsepower
BACT = best available control technology	hr = hour
BAE = baseline actual emissions	IFR = internal floating roof tank
bbl = barrel	in H <sub>2</sub> O = inches of water
bbl/day = barrel per day	in Hg = inches of mercury
bhp = brake horsepower	IR = infrared
BMP = best management practices	ISC3 = Industrial Source Complex, a dispersion model
Btu = British thermal unit	ISCST3 = Industrial Source Complex Short-Term, a dispersion model
Btu/scf = British thermal unit per standard cubic foot or feet	K = Kelvin; extension of the degree Celsius scaled-down to absolute zero
CAA = Clean Air Act	LACT = lease automatic custody transfer
CAM = compliance-assurance monitoring	LAER = lowest achievable emission rate
CEMS = continuous emissions monitoring systems	lb = pound
cfm = cubic feet (per) minute	hp = horsepower
CFR = Code of Federal Regulations	hr = hour lb/day = pound per day
CN = customer ID number	lb/hr = pound per hour
CNG = compressed natural gas	lb/MMBtu = pound per million British thermal units
CO = carbon monoxide	LDAR = Leak Detection and Repair (Requirements)
COMS = continuous opacity monitoring system	LNG = liquefied natural gas
CPMS = continuous parametric monitoring system	LPG = liquefied petroleum gas
DFW = Dallas/ Fort Worth (Metroplex)	LT/D = long ton per day
DE = destruction efficiency	m = meter
DRE = destruction and removal efficiency	m <sup>3</sup> = cubic meter
dscf = dry standard cubic foot or feet	m/sec = meters per second
dscfm = dry standard cubic foot or feet per minute	MACT = maximum achievable control technology
ED = (TCEQ) Executive Director	MAERT = Maximum Allowable Emission Rate Table
EF = emissions factor	MERA = Modeling and Effects Review Applicability
EFR = external floating roof tank	mg = milligram
EGU = electric generating unit	mg/g = milligram per gram
EI = Emissions Inventory	mL = milliliter
ELP = El Paso	MMBtu = million British thermal units
EPA = (United States) Environmental Protection Agency	MMBtu/hr = million British thermal units per hour
EPN = emission point number	MSDS = material safety data sheet
ESL = effects screening level	MSS = maintenance, startup, and shutdown
ESP = electrostatic precipitator	MW = megawatt
FCAA = Federal Clean Air Act	NAAQS = National Ambient Air Quality Standards
FCCU = fluid catalytic cracking unit	NESHAP = National Emission Standards for Hazardous Air Pollutants
FID = flame ionization detector	NGL = natural gas liquids
FIN = facility identification number	NNSR = nonattainment new source review
ft = foot or feet	NO <sub>x</sub> = total oxides of nitrogen
ft/sec = foot or feet per second	
g = gram	
gal/wk = gallon per week	
gal/yr = gallon per year	
GLC = ground level concentration	

NSPS = New Source Performance Standards  
 PAL = plant-wide applicability limit  
 PBR = Permit(s) by Rule  
 PCP = pollution control project  
 PEMS = predictive emission monitoring system  
 PID = photo ionization detector  
 PM = periodic monitoring  
 PM = total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
 PM<sub>2.5</sub> = particulate matter equal to or less than 2.5 microns in diameter  
 PM<sub>10</sub> = total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
 POC = products of combustion  
 ppb = parts per billion  
 ppm = parts per million  
 ppmv = parts per million (by) volume  
 psia = pounds (per) square inch, absolute  
 psig = pounds (per) square inch, gage  
 PTE = potential to emit  
 RA = relative accuracy  
 RATA = relative accuracy test audit  
 RM = reference method  
 RVP = Reid vapor pressure  
 scf = standard cubic foot or feet  
 scfm = standard cubic foot or feet (per) minute  
 SCR = selective catalytic reduction  
 SIL = significant impact levels  
 SNCR = selective non-catalytic reduction  
 SO<sub>2</sub> = sulfur dioxide  
 SOCM = synthetic organic chemical manufacturing industry  
 SRU = sulfur recovery unit  
 TAC = Texas Administrative Code  
 TCAA = Texas Clean Air Act  
 TCEQ = Texas Commission on Environmental Quality  
 TD = Toxicology Division  
 TLV = threshold limit value  
 TMDL = total maximum daily load  
 tpd = tons per day  
 tpy = tons per year  
 TVP = true vapor pressure  
 VOC = volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
 VRU = vapor recovery unit or system

## **Special Conditions**

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

1. This permit authorizes emissions only from those points listed in the attached table, entitled "Emission Sources - Maximum Allowable Emission Rates," and the facilities covered by this permit are authorized to emit subject to the emission rate limits on that table and other operating conditions specified in this permit.
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 maximum allowable emission rates table (MAERT). Any releases directly to the 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 with exception for safety relief valves that discharge to the atmosphere as a result of fire, malfunction, or failure of utilities provided that: a) each valve is equipped with a rupture disc upstream, b) a pressure-sensing device is installed between the relief valve and rupture disc to monitor disc integrity, and c) all leaking discs are replaced at the earliest opportunity but no later than the next process shutdown. Rupture discs D 6360, D-6370, V-257, V-502, V 520, and D-6224 do not apply to this condition.
3. Fuel shall be limited to pipeline-quality natural gas or fuel gas containing no more than 0.25 grains hydrogen sulfide and 5.0 grains total sulfur per 100 dry standard cubic feet (dscf). Fuel used as assist gas for the flares shall be limited to pipeline-quality natural gas containing no more than 0.2 grains total sulfur per 100 dry standard cubic feet (dscf). Fuel fired in the pyrolysis furnaces and the 1,500-lb steam boilers shall be fuel gas containing not more than 2,000 grains total sulfur per one million dry standard cubic feet. Use of any other fuel for normal operation will require a permit modification and approval from the Executive Director of the TCEQ.

Sampling of the USC-2 fuel gas for Total Sulfur shall occur within 90 days after the issuance of the amendment application, PI-1 dated September 19, 2012. Copies of the sampling report shall be forwarded to the appropriate TCEQ Regional Office within 60 days after sampling is completed.  
**(09/20)**

4. Visible emissions, except uncombined water, to the atmosphere from any point or fugitive source associated with the Distillation Columns (C-7571 and C-7581), receivers, Low Vis Product, and O/Hs Tanks shall not exceed 5.0 percent opacity in any five-minute period.
5. Acetylene converter and MAPD converter regeneration using air is limited to a total of 864 hours per calendar year. Hydrotreater converter regeneration using air is limited to a total of 432 hours per calendar year. Records shall be kept at the plant site to demonstrate compliance with this special condition.
6. A copy of any confidential material referenced in the permit conditions shall be attached to the copy of the permit maintained at the plant site. The permit holder shall maintain a table on-site identifying all units on-site and the control device to which the air emissions are routed. This requirement may be satisfied by maintaining a current TCEQ Air Permits Division Table 1(a) listing all facility identification numbers and emission point numbers (EPNs).

### **Federal Program Applicability**

7. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations.

## Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 2

- A. Standard of Performance for New Stationary Sources (New Source Performance Standards [NSPS]) in 40 CFR Part 60:
  - (1) Subpart A, General Provisions.
  - (2) Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.
  - (3) Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984.
  - (4) Subpart VV, Standards of Performance for Equipment Leaks of VOC in the SOCMI for Which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006.
- B. National Emission Standards for Hazardous Air Pollutants (NESHAPS) in 40 CFR Part 61:
  - (1) Subparts A, General Provisions.
  - (2) Subpart FF, National Emission Standard for Benzene Waste Operations.
  - (3) Subpart BB, National Emission Standard for Benzene Emissions from Benzene Transfer Operations.
- C. National Emission Standards for Hazardous Air Pollutants for Source Categories in 40 CFR Part 63:
  - (1) Subpart A, General Provisions.
  - (2) Subpart F, National Emission Standards for Organic Hazardous Air Pollutants from the SOCMI.
  - (3) Subpart G, National Emission Standards for Organic Hazardous Air Pollutants from the SOCMI for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.
  - (4) Subpart H, National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks.
  - (5) Subpart Y, National Emission Standards for Marine Tank Vessel Loading Operations.
  - (6) Subpart YY, National Emission Standards for Hazardous Air Pollutants for Source Categories: Generic Maximum Achievable Control Technology Standards.
  - (7) Subpart FFFF, National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.
  - (8) Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.
  - (9) Subpart GGGGG, National Emission Standards for Hazardous Air Pollutants: Site Remediation.

## Recordkeeping

- 8. Records demonstrating compliance with the above Special Conditions shall be maintained for a minimum of five years at the plant site and be made available upon request to TCEQ or local air pollution agency representatives upon request.

### Testing Requirements

9. The permit holder shall perform stack sampling and other testing as required by the special conditions or the TCEQ Executive Director to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the emission points identified in permit 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 TCEQ Sampling Procedures Manual and in accordance with the appropriate U.S. Environmental Protection Agency (EPA) Reference Methods. Unless specified otherwise in the above procedure/methods or during the pre-test meeting, compliance with stack limits shall be determined based on the average of the results of the required (3) sampling runs.

- A. The appropriate TCEQ Regional Office in the region where the source is located shall be contacted as soon as testing is scheduled but not less than 45 days prior to sampling to schedule a pretest meeting.

The notice shall include:

- (1) 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.

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 submitting the test reports.

A written proposed description of any deviation from sampling procedures specified in permit conditions or TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Regional Director shall approve or disapprove of any deviation from specified sampling procedures.

Requests to waive testing for any pollutant specified in B of this condition shall be submitted to the TCEQ Office of Air, Air Permits Division. Test waivers and alternate/equivalent procedure proposals for NSPS testing which must have the EPA's approval shall be submitted to the TCEQ Regional Director.

- B. Sampling shall occur at such times as may be required by the Executive Director of the TCEQ. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office. Additional time to comply with the applicable requirements of 40 CFR Part 60 and 40 CFR Part 61 requires the EPA's approval, and requests shall be submitted to the appropriate regional office.
- C. The plant shall operate at or above 90 percent of applicable rates during stack testing. Determination of production rate shall be monitored and recorded during the stack test. These conditions and any other primary operating parameters that affect the emission rate shall be monitored and recorded during the stack test. Any additional parameters shall be determined at the pretest meeting and shall be stated in the sampling report. Permit conditions and parameter limits may be waived during stack testing performed under this condition if the proposed condition/parameter range is identified in the pretest meeting specified in Paragraph A or subsequent communication and accepted by the TCEQ Regional

## Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 4

Office. Permit allowable emissions and emission control requirements are not waived and still apply during stack testing periods.

If the plant is unable to operate at 90 percent of applicable rates during testing, then future applicable rates may be limited to the rates established during testing. Additional stack testing may be required when higher applicable rates are achieved.

- D. Two copies of the final sampling report shall be forwarded to the TCEQ within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions of Chapter 14 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.

## Flares

10. Permanent flares shall be designed and operated in accordance with the requirements listed in Special Conditions 75 through 107 pertaining to the Incorporated Consent Decree requirements. The C&S Flare (EPN: 11FLR\_613) shall operate in accordance with AMOC No. 165 included in Attachment F. Where applicable, the requirements of AMOC No. 165 shall supersede the requirements of this permit. **(12/20)**

## CEMS

11. The holder of this permit shall install, calibrate, and maintain a continuous emission monitoring system (CEMS) to measure and record the in-stack concentration of NO<sub>x</sub> from the Abator A-325 (EPN 02ABT\_325), for any one or both of the Pyrolysis Furnaces (EPNs 10FRN\_630A and 10FRN\_630B), Reboiler B-9401 (EPN 08BLR\_9401). For the Abator A-529 a CEMS to measure and record O<sub>2</sub> concentration shall be installed immediately downstream of the R1 Reactor. This condition is a PSD condition for Permits PSDTX843 for EPNs 08BLR\_9401 and PSDTX860 for 10FRN\_630A and 10FRN\_630B.
- A. Each CEMS shall meet the design and performance specifications, pass the field tests, meet the installation requirements, data analysis, and reporting requirements specified in Performance Specifications No. 1 through 10, 40 CFR Part 60, Appendix B. If there are no applicable performance specifications in 40 CFR Part 60, Appendix B, contact the TCEQ Office of Air, Air Permits Division for requirements to be met. Written copies of the performance test results shall be submitted within 60 days of testing completion to the TCEQ Beaumont Regional Office.
- B. The system shall be spanned daily excluding weekends and holidays and corrective action taken when the span drift exceeds two times the amounts specified in 40 CFR Part 60, Appendix B. Span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days, unless the monitor is required by a subpart of NSPS or NESHAPS, in which case span shall be done daily without exception. The monitor will have a cylinder gas audit (CGA) performed at least quarterly. The procedures followed during the CGA shall comply with the requirements of 40 CFR Part 60, Appendix F, Procedure 1, § 5.1.2. For non-NSPS sources, an equivalent method approved by the TCEQ may be used. The CGAs performed four times per year on a calendar quarterly basis may be used in lieu of annual relative accuracy test audits (RATA) for non-NSPS and non NESHAP sources.

## Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 5

- C. The CEMS monitoring data will be reduced to hourly average concentrations at least once every week, using a minimum of four equally-spaced data points from each one-hour period. At least 23 hourly averages shall be generated per day except on days that require additional calibration, maintenance, or repair. Flow rates used to convert ppmv(d) to mass emission rates in lb per hr may be obtained from calculations based on the exhaust stack flow rate or firing rate. The individual average concentrations shall be reduced to units of the permit allowable emission rate in lb per hr at least once every week demonstrating compliance with Special Condition No. 1.
  - D. All cylinder gas exceedances of  $\pm 15$  percent accuracy and any unscheduled CEMS downtime not corrected within 24 hours shall be recorded with the records required in Special Condition No. 12 and necessary corrective action shall be taken. Unscheduled CEMS downtime is any CEMS downtime not required for daily span checks and annual RATA. Supplemental stack concentration measurements may be required at the discretion of the TCEQ Regional Director.
  - E. For NSPS sources subject to Appendix F, the TCEQ Regional Office shall be notified at least 30 days prior to each annual relative accuracy testing audit in order to provide them the opportunity to observe the testing.
12. In addition to any recordkeeping requirements of the general conditions of this permit, the holder of this permit shall keep records of the initial determination of compliance test for the life of the facility. After the initial determination of compliance, the holder of this permit shall maintain a raw data file of all CEMS measurements, including CEMS performance testing measurements, all CEMS calibration checks and adjustments and maintenance performed on these systems; or measurements of operating conditions monitored, identified in the monitoring plan. This data shall be maintained for at least the last two years in a permanent form suitable for inspection by TCEQ personnel or any local air pollution control having jurisdiction. The CEMS data may be used by TCEQ personnel to determine compliance with permit conditions. This condition is a PSD condition for Permits PSDTX843 for EPN 08BLR\_9401 and PSDTX860 for 10FRN\_630A and 10FRN\_630B and PSDTX860.

## Particulate Control Devices

13. Fabric filter baghouses properly installed and in good working order, shall control PM emissions from the Cat III solids handling equipment (thermal oxidizer, calciner, and impregnator) and from the Cat IV solids handling equipment. If there are visible emissions observed from any baghouse installed after April 1, 1995, Actions A to D shall be taken:
- A. If visible emissions, with the exception of uncombined water, are present at the Thermal Oxidizer Outlet (EPN 02TOX\_6240), an opacity reading shall be taken within two hours to verify that the opacity does not exceed 5 percent averaged over a six-minute period.
  - B. If visible emissions are noted at the Cat III or Cat IV baghouse outlet, the baghouse shall be shutdown as rapidly as safely possible such that visible emissions are minimized and, in no case, occur for more than five minutes. Records shall be maintained identifying all periods of visible emissions, opacity readings, as well as the corrective actions taken for each event.
  - C. All baghouses installed after April 1, 1995 shall achieve an outlet grain loading of less than or equal to 0.01 grain per dry dsf.
  - D. Cleaning and maintenance of the particulate control devices shall be performed as recommended by the manufacturer for all baghouses installed after April 1, 1995. The capture and collection systems shall be maintained free of holes, cracks, and other



## Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 6

conditions which would reduce the collection efficiency of the control system. Records of cleaning and maintenance of abatement equipment's, capture, and collection systems shall be maintained.

- E. If visible emissions are noted at particulate control equipment (EPN 02FIL\_211) outlet, the baghouse shall be shutdown as rapidly as safely possible such that visible emissions are minimized and, in no case, occur for more than five minutes. Records shall be maintained identifying all periods of visible emissions, opacity readings, as well as the corrective actions taken for each event.
14. The particulate control devices associated with the following EPNs 02BAG\_573, 02BAG\_574, 02BAG\_517, 02BAG\_563, 02FIL\_211, 02DTC\_6260, 02BAG\_6302, 02BAG\_6306, and 02DTC\_6402 shall be equipped with instrumentation to monitor control device differential pressure. The differential pressure across each control device shall be continuously monitored and be recorded at least once a day. The minimum pressure drop shall be at zero and shall not exceed 17 inches mercury.

Each monitoring device shall be installed and maintained according to accepted practice. It shall be calibrated at least annually and shall be accurate to within 0.5 inch water gauge pressure or 0.5 percent of span.

Quality-assured (or valid) data must be generated when the device is controlling emissions except during the performance of a daily zero check. Loss of valid data due to periods of monitor breakdown, 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 hours) that the control device operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded.

## Capture System

15. The following requirements apply to capture systems for Flares (11FLR\_041, 11FLR\_042, 11FLR\_043, 11FLR\_9601). Thermal Oxidizers (11TOX\_9603, 11TOX\_9604), Wharf Vapor Control System (08LWF\_9602). The control device shall not have a bypass directly to the atmosphere, except for equipment such as low leg drains, high point bleeds, analyzer vents, open-ended valves or lines, pressure relief valves and other equipment needed for safety purposes. If there is a bypass of a capture system, comply with either of the following requirements:
- A. Install a valve position indicator that records the valve position 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 unless allowed by a permit condition for that operating state and verifies it is shut at least once every 15 minutes. A deviation shall be reported if the monitoring indicates bypass of the control device.
  - B. Secure the bypass line valve in the non-diverting position with a car seal or a lock and key type configuration.
  - C. If any of the above monitoring or inspections are not satisfactory, the permit holder shall promptly take necessary corrective action.
16. The following requirements apply to capture systems for Flare A-613 (EPN 11FLR\_613), Abator A-325 (EPN 02ABT\_325), Thermal Oxidizer B-6240 (EPN 02TOX\_6240), ERS B 6389 (EPN 02ERS\_6389), and the particulate control devices associated with the following EPNs:

## Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 7

02BAG\_573, 02BAG\_574, 02BAG\_517, 02BAG\_563, 02BAG\_546, 02BAG\_590, 02BAG\_6302, 02BAG\_6306, and 02DTC\_6402.

- A. If used for particulate control, conduct a visual external inspection of any fan and verify proper operation and inspect the capture system to verify there are no cracks, holes, tears, and other defects once a year.
- B. If used to control pollutants other than particulate, verify the capture system is leak free by inspecting in accordance with 40 CFR Part 60, Appendix A, Test Method 21 once year. Leaks shall be indicated by an instrument reading greater than or equal to 500 ppmv above background.
- C. Install a valve position indicator that records the valve position 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 unless allowed by a permit condition for that operating state and verifies it is shut at least once every 15 minutes. A deviation shall be reported if the monitoring indicates bypass of the control device  
or,  
Secure the bypass line valve in the non-diverting position with a car seal or a lock and key type configuration.
- D. If any of the above monitoring or inspections are not satisfactory, the permit holder shall promptly take necessary corrective action.
- E. This paragraph applies to Flare A-613 (EPN 11FLR\_613).
  - (1) The control device shall not have a bypass to the atmosphere.
  - (2) 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
  - (3) Once a year, verify the capture system is leak-free by inspecting in accordance with 40 CFR Part 60, Appendix A, Test Method 21. Leaks shall be indicated by an instrument reading greater than or equal to 500 ppmv above background.
  - (4) If either of the above inspections is not satisfactory the permit holder shall promptly take necessary corrective action. **(06/13)**

## CAM Requirements

- 17. The following requirements apply to capture systems for EPNs 11FLR\_9601, 11FLR\_041, 11FLR\_042, 11FLR\_043, 11TOX\_9604, 02TOX\_6240, 02ERS\_6389, 11CAS\_043, 11FLR\_613, 11TOX\_9603, and 08LWF\_9602 which are subject to CAM. **(02/14)**
  - A. If used to control pollutants other than particulate, either:
    - (1) Conduct a once a month visual, audible, and/or olfactory inspection of the capture system to verify there are no leaking components in the capture system;
    - (2) Once a year, verify the capture system is leak-free by inspecting in accordance with 40 CFR Part 60, Appendix A, Test Method 21. Leaks shall be indicated by an instrument reading greater than or equal to 500 ppmv above background.
  - B. If either of the above inspection is not satisfactory, the permit holder shall promptly take necessary corrective action.

### Thermal Oxidizers

18. The Flameless Thermal Oxidizer(s) 11TOX\_9603, 11TOX\_9604, and 02TOX\_6240 shall operate with no less than 99.9 percent efficiency in disposing of the carbon compounds captured by the collection system.
19. The following conditions apply to the Refinery Tank Farm Flameless Thermal Oxidizer (EPN 11TOX\_9604), Wharf Tank Farm Flameless Thermal Oxidizer (EPN 11TOX\_9603) and Wharf Vapor Combustor (EPN 08LWF\_9602). Records shall be kept of all unscheduled thermal oxidizer downtime and all maintenance, repairs and corrective actions taken. These records shall be maintained at the plant site on at least a five-year retention basis and shall be made available upon request to the TCEQ personnel.

Each thermal oxidizer exhaust temperature shall be continuously monitored and recorded when waste gas is directed to each oxidizer. Each thermal oxidizer combustion chamber temperature outlet shall be maintained at an hourly minimum average at or greater than 1,400°F when waste gas is directed to each thermal oxidizer. Each temperature measurement device shall reduce the temperature readings to an averaging period of six minutes or less and record it at that frequency.

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

The exhaust temperature from the vapor combustor designated as EPN 08LWF\_9602 shall be monitored and recorded at least once a day when VOC laden waste gas is directed to this combustor. The exhaust temperature shall be monitored continuously when waste gas is directed to it. The temperature measurement device shall reduce the temperature readings to an averaging period of six minutes or less and record at that frequency. The hourly minimum average for continuously monitored temperature in, or immediately downstream of, the combustion chamber shall be maintained at or above 1,500°F. **(06/13)**

20. Sampling ports and platform(s) shall be incorporated into the design of each thermal Oxidizer stack according to the specifications set forth in the attachment entitled "Chapter 2, Stack Sampling Facilities." Alternate sampling facility designs may be submitted for approval by the TCEQ Regional Director.
21. The holder of this permit 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 Wharf Vapor Combustor System designated as EPN 08LWF\_9602 to demonstrate compliance with the MAERT and the represented 99.50 percent VOC abatement of the inlet VOC stream. The holder of this permit 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 Special Condition No. 9 **(Complete)**.
22. When the Wharf Tank Farm Thermal Oxidizer (EPN 11TOX\_9603) is unavailable to operate, VOC emissions shall be routed to the Paraxylene Flare (EPN 11FLR\_9601). **(8/19)**
23. When the Wharf Loading Vapor Combustion System (VCS) designated as EPN 08LWF\_9602 is unavailable to operate, collected barge and ship loading VOC emissions shall be routed to the flare designated as EPN 11FLR\_9601. **(8/19)**

### **Carbon Adsorption System**

24. When the Refinery Tank Farm Thermal Oxidizer (EPN 11TOX\_9604) is unavailable to operate, VOC emissions shall be routed to a carbon adsorption system (CAS) consisting of two carbon vessels in parallel (EPNs 01CAS\_037 and 01CAS\_038). The CAS shall be used for a maximum of 568 hours per rolling 12 month period. This condition does not authorize emissions from emission event occurrences at the Refinery Tank Farm Thermal Oxidizer.

These emissions are subject to the maximum allowable emission rates indicated on the MAERT. Records shall be kept at the plant demonstrating compliance with this representation.

When emissions that are normally routed to the Refinery Tank Farm are routed to the CAS:

- A. The CAS shall be sampled and recorded once every four (4) hours to determine breakthrough of VOC. The sampling point shall be at the outlet of the canister.
- B. The method of VOC sampling and analysis shall be by flame ionization detector (FID), photo ionization detector (PID), or an instrument approved by the TCEQ Office of Air, Air Permits Division. On each day that sampling is required, the FID or PID shall be calibrated prior to sampling with a certified gas mixture at 0 ppmv  $\pm$ 10 percent and at 20 ppmv  $\pm$ 10 percent. If a PID is used, the lamp strength must be greater than 11.0 eV.
- C. Breakthrough shall be defined as a measured VOC concentration of 20 ppmv. When the condition of breakthrough of VOC from the initial saturation canister occurs, the waste gas flow shall be switched to the second canister as soon as practical. Sufficient new activated carbon canisters shall be maintained at the site to replace spent carbon canisters such that replacements can be done as soon as practical.
- D. Records of the CAS monitoring maintained at the plant site, shall include (but are not limited to) the following:
  - (1) Sample time and date.
  - (2) Monitoring results (ppmv).
  - (3) Corrective action taken including the time and date of that action.
  - (4) Process operations occurring at the time of sampling.
- E. These records shall be made available to representatives of the TCEQ and local programs upon request and shall be retained for at least two years following the date that the data are obtained.
- F. The holder of this permit may request a change in frequency of breakthrough sampling after completing at least one calendar year of sampling as specified above. The request shall include a copy of the CAS monitoring records specified in Paragraph D of this condition and shall be submitted to the TCEQ, Office of Permitting and Registration, Air Permits Division in Austin for review and response. The permit holder may not change the sampling frequency until written approval is received from the Executive Director of TCEQ.

### **Catalyst Units Abator, Emission Reduction System (ERS), and Thermal Oxidizer**

25. Opacity of emissions from the Abator A-325 (EPN 02ABT\_325) shall not exceed 20 percent averaged over a six-minute period.

Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 10

The abator and ERS shall achieve a minimum destruction efficiency of 98 percent for VOC or a VOC outlet concentration of no more than 20 ppm. A minimum O<sub>2</sub> level of greater than or equal to 3 percent shall be maintained downstream of the VOC catalyst. ExxonMobil submitted engineering calculations and stack sampling results on December 20, 2004 that confirm O<sub>2</sub> concentration at the VOC catalyst outlet in excess of 3 percent. **(06/13)**

26. There shall be no more than 50 ppmv NH<sub>3</sub> averaged over a one-hour period in the ERS (EPN 02ERS\_6389) exhaust gas.
27. During pre-calcination up heat, pre-calcination hold, and final calcination up heat, the calciner vent streams shall be directed through the abator/ERS whenever the calciner vapor space temperature at any time reaches 280°F. Control is not required after completion of the final calcination hold period.
28. The temperature of the inlet waste gas from the oxidization catalyst shall be continuously monitored when gas is routed to it and the data shall be recorded and the data shall be reduced to six-minute averages and be recorded accordingly. The hourly average inlet temperature shall be maintained at no less than the minimum hourly average inlet temperature maintained during performance testing. This requirement does not apply during periods when the outlet or other downstream temperatures exceed the minimum hourly average inlet temperature maintained during the last stack test performed. These temperatures shall be recorded during these periods.

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

29. The calciner bed temperature shall be continuously monitored when calciner vent streams are not directed to the abator and ERS during any of the periods identified in SC# 27 and the data shall be recorded at least one every six minutes. The temperature measurement device shall be recorded at least once every six minutes. The temperature measurement device shall be installed, calibrated, and maintained according to accepted practice. The device shall have an accuracy of the greater of +0.75 percent of the temperature being measured expressed in degrees Celsius or +2.5C.
30. The Abator Outlet (EPN 02ABT\_325) and the ERS Outlet (EPN 02ERS\_6389) shall be sampled for VOC, every two years, to verify catalyst activity and demonstrate VOC compliance with the MAERT when producing a catalyst containing greater than 50 percent of the VOC emissions of the worst-case catalyst.
31. The holder of this permit shall conduct semiannual grab samples (or spot checks with a portable analyzer) from the Abator and ERS exhaust stack for NH<sub>3</sub>. The spot checks shall be comprised of the average of no less than three 15-minute reading, the methods, criteria, equipment, etc., used in conducting the spot checks shall be approved by the TCEQ Regional Director prior to conducting any spot checks. The catalyst being produced and sampling results shall be recorded. Should the spot checks indicate an NH<sub>3</sub> concentration greater than 100 ppmv, the cause of the high concentration shall be identified, corrected, and actions taken recorded. Waste streams shall be routed to the abator only for diagnostic/repair purposes until the cause for exceedance has been corrected. If the corrective actions included recalibrating or changing the NH<sub>3</sub> injection control system, a stack test for NH<sub>3</sub> shall be performed in accordance with Special Condition No. 9 within 60 days after completing the corrective action. Grab samples (or spot checks with a portable analyzer) for NH<sub>3</sub> shall be taken once a week for four weeks if other corrective actions were

## Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 11

sufficient. Grab samples and spot checks are not subject to the greater than 90 percent production requirement or any other parts of Special Condition No. 9.

32. The holder of this permit shall perform stack sampling and other testing in accordance with Special Condition No. 9 as specified below:
  - A. The holder of this permit shall perform stack sampling every five years to confirm that the NO<sub>x</sub> emissions from the ERS demonstrate compliance with the 175 ppmv NO<sub>x</sub> concentration.
  - B. When initially producing a catalyst containing greater than 90 percent of the VOC emissions of the worst-case catalyst, not to exceed 180 days, following filling the abator or ERS with new VOC catalyst to verify compliance with Special Condition No. 25.
33. The catalytic oxidizer exhaust emissions shall be monitored for NO<sub>x</sub> concentration by the ERS system controller. All monitoring data shall be reduced to hourly average concentrations at least once every day, using a minimum of four equally-spaced data points from each one-hour period.
34. The temperature of the exhaust gases from the firebox of the thermal oxidizer shall be continuously monitored when gases containing VOC are routed to it, and the data shall be reduced to six-minute averages and be recorded accordingly. The hourly temperature shall be maintained at no less than the temperature established during performance testing (as specified in Special Condition No. 9) to demonstrate 99.9 percent destruction efficiency.

The temperature measurement device shall be installed, calibrated, and maintained according to accepted practice and the manufacturer's specifications. The device shall have an accuracy of the greater of 0.75 percent of the temperature being measured expressed in degrees Celsius or 2.5°C. The accuracy and calibration requirements for the temperature monitor become effective on December 31, 2006.

## Scrubbers

35. Absorbers A-316 and A-317 (both vent to EPN 02SCB\_3167) shall remove 95 percent of the VOC and 99 percent of the ammonia (NH<sub>3</sub>) in the waste streams routed to them for control. The liquid circulation rates shall equal or exceed and the pH shall not exceed the hourly average values maintained during the last satisfactory stack test to be performed for each in accordance with Special Condition No. 9.

The absorbers liquid circulation rate and pH shall be continuously monitored when process streams are routed to the control devices and the data shall be reduced to six minute averages, and be recorded accordingly.

Control is required only during NH<sub>3</sub> truck unloading, waste organics loading, and when crystallizer is processing materials which produces a waste gas vent.

36. Pressure Tank T-335 shall be routed to Scrubbers A-316 or A-317 (EPN 02SCB\_3167) whenever T-335 is depressurized prior to loading. Loading emissions from T-335, including depressurization of empty tank trucks, shall be routed to Scrubbers A-316 or A 317 (EPN 02SCB\_3167).

### Boilers And Furnaces

37. The following sources are limited to the firing rates and nitrogen oxides (NO<sub>x</sub>) emission rates specified below:

- A. Each 16W Pyrolysis Furnaces (EPNs 09FRN\_210A, 09FRN\_210B, 09FRN\_210C, 09FRN\_210D, 09FRN\_210E, and 09FRN\_210F) at 129 MMBtu/hour (hr) (higher heating value [HHV]) and 0.08 pound (lb) NO<sub>x</sub>/MMBtu
- B. Each 12W Pyrolysis Furnaces (EPNs 10FRN\_615A and 10FRN\_615B) at 145 MMBtu/hour (HHV) and 0.08 lb NO<sub>x</sub>/MMBtu
- C. Each 8M Pyrolysis Furnaces (EPNs 10FRN\_610A, 10FRN\_610B, 10FRN\_610C, 10FRN\_610D) at 170 MMBtu/hr HHV and 0.08 lb NO<sub>x</sub>/MMBtu.
- D. Each 24M Pyrolysis Furnaces (EPNs 10FRN\_630A and 10FRN\_630B) at 318 MMBtu/hr lower heating value (LHV) and 0.06 lb NO<sub>x</sub>/MMBtu. This condition is a PSD condition for permit PSDTX860.

The lb/MMBtu NO<sub>x</sub> limit of this paragraph for EPNs 10FRN\_630A and 10FRN\_630B does not apply during decoking and hot steam standby conditions, as defined in Special Condition 69.B. **(10/17)**

- E. Each Boiler (EPN 10BLR\_6901) at 222 MMBtu/hr LHV and 0.20 lb NO<sub>x</sub>/MMBtu

- F. Each Paraxylene Unit reboiler and heater

08BLR\_9201 at 144.5 MMBtu/hr (HHV) and 0.05 lb NO<sub>x</sub>/MMBtu

08BLR\_9400 at 55.0 MMBtu/hr (HHV) and 0.05 lb NO<sub>x</sub>/MMBtu

08BLR\_9401 at 306.4 MMBtu/hr (HHV) and 0.05 lb NO<sub>x</sub>/MMBtu

08BLR\_9402 at 55.8 MMBTU/hr (HHV) and 0.05 lb NO<sub>x</sub>/MMBtu

08HTR\_9301 at 89.5 MMBtu/hr (HHV) and 0.05 lb NO<sub>x</sub>/MMBtu

- G. Each reboiler and heater firing at less than 40 MMBtu/hr

01HTR\_301 at 0.12 lb NO<sub>x</sub>/MMBtu

02HTR\_302 at 0.098 lb NO<sub>x</sub>/MMBtu

02HTR\_500 at 0.098 lb NO<sub>x</sub>/MMBtu

02HTR\_501 at 0.098 lb NO<sub>x</sub>/MMBtu

02HTR\_622 at 0.06 lb NO<sub>x</sub>/MMBtu

02HTR\_632 at 0.06 lb NO<sub>x</sub>/MMBtu

02HTR\_635 at 0.098 lb NO<sub>x</sub>/MMBtu

04HTR\_201 at 0.12 lb NO<sub>x</sub>/MMBtu

04HTR\_401 at 0.10 lb NO<sub>x</sub>/MMBtu

04HTR\_403 at 0.12 lb NO<sub>x</sub>/MMBtu

07HTR\_7701 at 0.097 lb NO<sub>x</sub>/MMBtu

07HTR\_7708 at 0.076 lb NO<sub>x</sub>/MMBtu

- H. Compliance with Special Condition No. 37 for the sources listed in 37.A-F shall be determined by the hourly average firing rates averaged, calculated, and tabulated daily for each source and kept at the plant site for at least two years.

### **Cooling Tower Monitoring**

- 38. The VOC associated with Cooling Tower Waters (EPNs 01CTL\_002, 04CTL\_001, 08CTL\_9601, 09CTL\_003 and 10CTL\_004, 07CTL\_001, and 07CTL\_002) shall be monitored monthly with an approved air stripping system or equivalent. Monitoring is not required if the cooling tower is out of service for that month. The appropriate equipment shall be maintained so as to minimize fugitive VOC emissions from the cooling tower. Faulty equipment shall be repaired at the earliest opportunity but no later than the next scheduled shutdown of the process unit in which the leak occurs. The results of the monitoring and maintenance efforts shall be recorded and such records shall be maintained for a period of two years. The records shall be made available to the TCEQ Executive Director upon request.

### **Storage Of VOC**

- 39. At these permitted facilities, the following conditions apply for the storage and loading of VOC:
  - A. Storage tanks are subject to the following requirements. The control requirements specified in Paragraphs B-E of this condition shall not apply (1) where the VOC has an aggregate partial pressure of less than 0.50 psia at the maximum expected operating temperature or (2) to storage tanks smaller than 25,000 gallons.
  - B. An internal floating deck or "roof" or equivalent control shall be installed in all tanks. 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 internal floating roof: (1) a liquid-mounted seal, (2) two continuous seals mounted one above the other, or (3) a mechanical shoe seal.
  - C. An open-top tank containing a floating roof (external floating roof tank) which uses double seal or secondary seal technology shall be an approved control alternative to an internal floating roof tank provided the primary seal consists of either a mechanical shoe seal or a liquid-mounted seal and the secondary seal is rim mounted. A weather shield is not approvable as a secondary seal unless specifically reviewed and determined to be vapor-tight.
  - D. For any tank utilizing a floating roof, for compliance with this section the holder of this permit shall follow 40 CFR § 60.113b, Testing and Procedures, to verify seal integrity. Additionally, the permit holder shall follow 40 CFR § 60.115b, Reporting and Recordkeeping Requirements, to provide records of the dates seals were inspected, seal integrity, and corrective actions taken.
  - E. The floating roof design shall incorporate sufficient flotation to conform to the requirements of API Code 650 in effect at the time of construction of the tank except that an internal floating cover need not be designed to meet rainfall support requirements and the materials of construction may be steel or other materials.
  - F. Fixed roof tanks with uninsulated tank exterior surfaces exposed to the sun shall be white, silver or aluminum, with the exception of company logos, tank identification numbers, and other cosmetic painting not to exceed 15% of each uninsulated tank surface. Storage tanks must be equipped with permanent submerged fill pipes.



Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 14

- G. The permit holder shall maintain an emissions record which includes calculated emissions of VOC from all storage tanks during the previous calendar month and the past consecutive 12 month period. The record shall include tank identification number, control method used, tank capacity in gallons, name of the material stored, VOC molecular weight, average temperature in degrees Fahrenheit, VOC vapor pressure at the monthly average material temperature in psia, throughput for the previous month and year-to-date. Records of average temperature are not required to be kept for unheated tanks which receive liquids that are at or below ambient temperatures.
  - H. Emissions for tanks shall be calculated using: (a) AP-42 "Compilation of Air Pollution Emission Factors" and (b) the Texas Commission on Environmental Quality (TCEQ) publication entitled "Technical Guidance Package for Chemical Sources, Storage Tanks."
40. Carbon Bed Operation - The vapor lines from Tank Nos. 05TCS\_101, 05TCS\_104, 05TCS\_107, 05TCS\_108, 05TCS\_120, 05TCS\_3015 shall be vented to carbon adsorbers. Sumps S-51, S-52, S-53, S-120 and S-317 shall be controlled by carbon adsorbers unless the VOC partial pressure of the liquid in the sumps does not exceed 0.5 psi. The adsorbers shall consist of at least two activated carbon canisters connected in series. The adsorbers for the vapor lines from Vessel 05TCS\_120 shall be vented to two carbon canisters operated in series for the vessel.
- A. The carbon adsorbers for 05TCS\_101, 05TCS\_104, 05TCS\_107, 05TCS\_108, 05TCS\_120, 05TCS\_3015 shall be sampled and recorded to determine breakthrough of volatile organic compounds (VOC). The sampling point shall be at the outlet of the initial canister but before the inlet to the second canister. The carbon adsorber shall be sampled at least semi-annually during process venting, blending, or tank filling operations to determine whether breakthrough of VOC is occurring. If measured VOC concentrations of 25 parts per million by volume (ppmv) or greater are detected at any time from the outlet of the initial canister, then all subsequent filling and blending operations must be monitored until the canister is replaced, unless weather conditions preclude the use of the monitoring instrument. The holder of this permit shall be exempt from monitoring subsequent filling and blending operations as a result of weather conditions no more than twice during any one-quarter.
  - B. The carbon adsorbers 01CAS\_3536, 04CAS\_033 or 04CAS\_034, 09CAS\_031, 10CAS\_032, 11CAS\_043 shall be sampled weekly to determine breakthrough of VOC. The sampling point shall be at the outlet of the initial canister but before the inlet to the second canister. Canisters 04CAS\_033 and 04CAS\_034 spare each other and only the canister which is in service is required to be sampled.
  - C. The method of VOC sampling and analysis shall be by flame ionization detector (FID) or a TCEQ-approved equivalent. On each day that sampling is required, the FID shall be calibrated prior to sampling according to the manufacturer's recommended method with certified gas mixtures at  $10 \text{ ppmv} \pm 2 \text{ ppmv}$  and  $100 \text{ ppmv} \pm 2 \text{ ppmv}$ . Carbon adsorbers 01CAS\_3536, 04CAS\_033 or 04CAS\_034, 09CAS\_031, 10CAS\_032, 11CAS\_043 do not require the 10 ppmv calibration.
  - D. Breakthrough shall be defined as a measured VOC concentration of 100 ppmv. A new canister must be placed in service as the secondary canister within 72 hours of breakthrough detection or prior to the next tank filling or vessel blending operation, whichever comes first. 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 frames.
  - E. Records of the carbon adsorber monitoring shall be maintained at the plant site and shall include (but are not limited to) the following:
    - (1) Sample time and date.

## Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 15

- (2) Monitoring results (ppmv).
  - (3) Corrective action taken, including the time and date of that action.
  - (4) Process operations occurring at the time of sampling.
41. As an exception to Special Condition No. 39.F, the exterior surfaces exposed to the sun of each Storage Tank Nos. 07TFX\_426 and 07TFX\_428 shall be white or aluminum after its next scheduled repainting, but no later than December 31, 2010.
42. As an exception to Special Condition No. 39, the control requirements specified in Paragraphs B through F of Special Condition No. 39, shall not apply to the storage tanks listed in this condition. This exemption will cease to apply for each listed tank that becomes subject to best available control technology review. Also, any of the storage tanks listed which satisfies B, C, E, and/or F of Special Condition No. 39 shall continue to satisfy that paragraph or paragraphs. The storage tanks subject to this condition are as follows: 07TFX\_8061, 07TKX\_107R, 07TFX\_113, 07TFX\_129, 07TFX\_137R, 07TFX\_431, 07TFX\_433, 07TFX\_435, 07TFX\_444, 07TFX\_445, 07TFX\_446, 07TFX\_447, 07TFX\_601R, 07TFX\_602, 07TFX\_604, 07TFX\_401, and 07TFX\_062. Special Condition No. 39.G shall not apply to tanks routed to a control device. The following Tanks are routed to a control device: TK-1200, 19, 20, 21, 22, 23, 24, 25, 32, 37, 38, 60, 95, 96, 9601, 9602, 9607, 9608, 9609, 9610, and 9620.

## Rail and Truck Loading of VOC Operation

43. Loading of VOC with a vapor pressure less than 0.5 psia for shipment shall be subject to the following requirements:
- A. 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 until they are repaired to a leak-free state.
  - B. Operations shall cease immediately upon detection of any liquid leaking from the lines or connections. Operations shall not be continued until the lines and connections are repaired to a leak-free state.
  - C. All VOC loaded under this permit shall be loaded via submerged loading, except for waste HVI catalyst, which may be splash loaded. Truck loading emissions from V 503 shall be controlled by using a vapor-balance system from the truck to the tank.

## Barge Loading Operation

44. Each barge and ship loading finished chemical products shall utilize submerged fill. The collected finished chemical products vapors from barge and ship loading at the wharf shall be collected and routed to the Wharf Vapor Combustor System designated as EPN 08LWF\_9602 or the flare designated as EPN 11FLR\_9601. Finished chemical products barge and ship loading shall not begin at the wharf unless the barge and ship loading control equipment is operating.
45. Each barge and ship loaded with finished chemical products at the marine terminal spot shall be leak-tested once in a 12-month period using the leak testing methods of National Emission Standards for Hazardous Air Pollutants, Subpart BB. A set of records shall be kept at the terminal site pursuant to each requirement listed in 40 CFR § 61.305(h) to certify the leak testing has been completed to allow finished chemical products loading. A barge and ship shall not be loaded with

## Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 16

any chemical authorized through this permit at this marine terminal loading station if no valid proof of the leak testing is shown.

46. The holder of this permit shall maintain loading equipment for barges and ships in such a manner that vapor tight connections at the barge and ship can be made when loading finished chemical products that has a true vapor pressure equal to and greater than 0.50 psia at maximum loading temperature. If vapor tight connections are not maintained and operating for each barge and ship loading finished chemical products with a true vapor pressure equal to and greater than 0.50 psia, the loading process shall cease within two hours of a loading equipment malfunction. Additional loading requiring vapor tight connections should not begin until the problem(s) with the vapor tight connections are corrected. Records shall be kept at the plant site on a rolling two-year basis when vapor tight connections are not maintained and operating and what repairs were done to correct the problem(s).
47. A barge and/or ship shall not be loaded at the marine terminal loading station(s) if no valid proof of the leak testing is shown. Leak testing shall comply with 30 TAC § 113.300 requirements.
48. A pressure monitoring device shall be installed to continuously measure a vacuum of more than 1.50 inches of water in the vapor collection system from barge and ship loading of organic liquids authorized in this permit with a true vapor pressure equal to and greater than 0.50 psia. The pressure monitoring device will be installed at the common point of the vapor collection system. In the event the pressure monitoring device is not functioning properly, barge and ship loading operations that require use of the enclosed flare as an emission control device shall cease within two hours of a loading equipment malfunction. Additional loading requiring use of the vapor control system should not begin until the problems with pressure monitoring device(s) are repaired.

## Leak Detection And Repair Program

49. Piping, Valves, Connectors, Pumps, and Compressors - 28VHP. The following conditions apply only to EPN 02FUG\_001, and HiVis and LoVis units of 07FUG\_001. Except as may be provided for in the special conditions of this permit, the following requirements apply to the above-referenced equipment.
  - A. These conditions shall not apply (1) where the VOC has an aggregate partial pressure or vapor pressure of less than 0.044 pound per square inch, absolute at 68°F or (2) operating pressure is at least 5 kilopascals (0.725 pound per square inch) below ambient pressure. Equipment excluded by this condition shall be identified in a list to be made available upon request.
  - B. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable American National Scientific Institute, American Petroleum Institute, American Society of Mechanical Engineers, or equivalent codes.
  - C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical
  - 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. Non-accessible valves, as defined by Title 30 Texas Administrative Code (30 TAC) Chapter 115, shall be identified in a list to be made available upon request.
  - E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. No later than the next scheduled

quarterly monitoring after initial installation or replacement, all new or reworked connections shall be gas tested or hydraulically tested at no less than normal operating pressure and adjustments 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 a cap, blind flange, plug, or a second valve. Except during sampling, the second valve shall be closed.

- 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. For valves equipped with rupture discs, a pressure sensing device shall be installed between the relief valve and rupture disc to monitor disc integrity. All leaking discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

An approved gas analyzer shall conform to requirements listed in 40 CFR § 60.485(a)-(b).

Replaced 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 and compressor 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 and compressor 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.
- I. Every reasonable effort shall be made to repair a leaking component, as specified in this paragraph, within 15 days after the leak is found. If the repair of a component would require a unit shutdown, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until the scheduled shutdown shall be identified for such repair by tagging. At the discretion of the TCEQ Executive Director or designated representative, early unit shutdown or other appropriate action may be required based on the number and severity of tagged leaks awaiting shutdown.
- J. The results of the required fugitive instrument monitoring and maintenance program shall be made available to the TCEQ Executive Director or designated representative upon request. Records shall indicate appropriate dates, test methods, instrument readings, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of physical inspections are not required unless a leak is detected.

Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 18

- K. Alternative monitor 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 (NESPAPS) and does not constitute approval of alternative standards for these regulations.
50. The following conditions apply only to EPN 02FUG\_001. In addition to the weekly physical inspection required by Item E of Special Condition No. 49, all accessible connectors in gas/vapor and light liquid service shall be monitored quarterly with an approved gas analyzer in accordance with Items F through J of Special Condition No. 49.
- A. Connectors may be monitored on a semiannual basis if the percent of connectors leaking for two consecutive quarterly monitoring periods is less than 0.5 percent. Connectors may be monitored on an annual basis if the percent of connectors leaking for two consecutive semiannual monitoring periods is less than 0.5 percent.  
  
If the percent of connectors leaking for any semiannual or annual monitoring period is 0.5 percent or greater, the facility shall revert to quarterly monitoring until the facility again qualifies for the alternative monitoring schedules previously outlined in this paragraph.
  - B. The percent of connectors leaking used in Paragraph A shall be determined using the following formula:  
$$(Cl+Cs) \times 100/Ct = Cp$$

Where:

Cl = the number of connectors found leaking by the end of the monitoring period, either by Method 21 or sight, sound, and smell.

Cs = the number of connectors for which repair has been delayed and are listed on the facility shutdown log.

Ct = the total number of connectors in the facility subject to the monitoring requirements, as of the last day of the monitoring period, not including non accessible and unsafe-to-monitor connectors.

Cp = the percentage of leaking connectors for the monitoring period.
51. For the paraxylene unit, leak detection, repair, and control in addition to Special Condition No. 52 shall include:
- A. Installation of bellow valves for sizes two inches or smaller, except on instrument valves of one half inch size or smaller. This condition does not apply to new components installed after 12/31/10. Existing bellow valves must be replaced with bellow valves or equivalent or the increase in emissions due to changing valve type must be authorized.
  - B. Incorporation of double mechanical seals or tandem seals on pumps or pumps and seals meeting paragraph G of Special Condition No. 52. **(06/13)**
52. Piping, Valves, Connectors, Pumps, Agitators and Compressors - Intensive Directed Maintenance (28MID)

Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 19

The following conditions apply only to EPNs: 01FUG\_001, 03FUG\_001, 04FUG\_001, 04FUG\_003, 08FUG\_001, 09FUG\_001, 10FUG\_001, 11FUG\_001, 11FUG\_002 and 11FUG\_004. Except as may be provided for in the Special Conditions of this permit, the following requirements apply to the above-referenced equipment. **(06/18)**

- A. The requirements of paragraphs F and G shall not apply (1) where the concentration of VOC in the stream is less than 1 percent by weight or (2) where the volatile organic compounds (VOC) has an aggregate partial pressure or vapor pressure of less than 0.044 pounds per square inch, absolute (psia) at 68°F or (3) 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 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, agitators, 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 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.
- 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 by the end of the 72 hours 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 with a directed maintenance program. 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. For valves equipped with rupture discs, a pressure-sensing device shall be installed between the relief valve and rupture disc to monitor disc integrity. All leaking discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

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.

An approved 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.

A directed maintenance program shall consist of the repair and maintenance of components assisted simultaneously by the use of an approved gas analyzer such that a minimum concentration of leaking VOC is obtained for each component being maintained. A first attempt to repair the leak must be made within 5 days. Records of the first attempt to repair shall be maintained. Replaced components shall be re-monitored within 15 days of being placed back into VOC service.

- G. All new and replacement pumps, compressors, and agitators shall be equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. These seal systems need not be monitored and 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.

All other pump, compressor, and agitator seals shall be monitored with an approved gas analyzer at least quarterly.

- H. Damaged or leaking valves, connectors, compressor seals, pump seals, and agitator seals 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. 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. 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.

- I. In lieu of the monitoring frequency specified in paragraph F, valves in gas and light liquid service may be monitored on a semiannual basis if the percent of valves leaking for two consecutive quarterly monitoring periods is less than 0.5 percent.

Valves in gas and light liquid service may be monitored on an annual basis if the percent of valves leaking for two consecutive semiannual monitoring periods is less than 0.5 percent.

If the percent of valves leaking for any semiannual or annual monitoring period is 0.5 percent or greater, the facility shall revert to quarterly monitoring until the facility again qualifies for the alternative monitoring schedules previously outlined in this paragraph.

- J. The percent of valves leaking used in paragraph I shall be determined using the following formula:

$$(V_I + V_S) \times 100/V_T = V_P$$

Where:

$V_I$  = the number of valves found leaking by the end of the monitoring period, either by Method 21 or sight, sound, and smell.

$V_S$  = the number of valves for which repair has been delayed and are listed on the facility shutdown log.

$V_T$  = the total number of valves in the facility subject to the monitoring requirements, as of the last day of the monitoring period, not including nonaccessible and unsafe to-monitor valves.

$V_P$  = the percentage of leaking valves for the monitoring period.

- K. 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.
- 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, or



an applicable National Emission Standard for Hazardous Air Pollutants and does not constitute approval of alternative standards for these regulations.

- M. Fugitive components of EPN 11FUG\_002 authorized by TCEQ Project No. 235435 in natural gas or flare gas service, that are subject to monitoring under Special Conditions 52 A. and 54 shall be monitored in accordance with Special Condition No. 52 A – L.

53. Piping, Valves, Connectors, Pumps, And Compressors At HVI PAO Plant - Physical Inspection Program

- A. These conditions shall apply only to the fugitive components of the HVI PAO plant (EPN 07FUG\_003). These conditions shall not apply to those components where the operating pressure is at least 5 kilopascals (0.725 psi) below ambient pressure. Equipment excluded from this condition shall be identified in a list to be made available upon request.
- B. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable ANSI, API, ASME, or equivalent codes.
- C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical.
- 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. Non-accessible valves, as defined in 30 TAC Chapter 115, shall be identified in a list to be made available upon request.
- E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. No later than the next scheduled quarterly monitoring period after initial installation or replacement, all new or reworked connections shall be gas-tested or hydraulically tested at no less than normal operating pressure and adjustments made as necessary to obtain leak-free performance. Piping, valves, connectors, pumps, and compressors shall be inspected by visual, audible, and/or olfactory means at least weekly by operating personnel walk-through. Physical walk through inspections behind blast walls are required quarterly instead of weekly.

Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve. Except during sampling, the second valve shall be closed.
- F. Damaged or leaking valves, connectors, compressor seals and pump seals found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. Every reasonable effort shall be made to repair a leaking component as specified in this paragraph within 15 days after the leak is found. If the repair of a component would require a unit shutdown, 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 at the discretion of the TCEQ Executive Director or his designated representative, early unit shutdown or other appropriate action may be required based on the number and severity of tagged leaks awaiting shutdown.
- G. Remote surveillance cameras or methods other than walk-through inspection may be used in areas that are typically inaccessible for safety reasons such as areas behind blast walls.
- H. Should a leak be discovered by remote surveillance cameras or by methods other than the walk-through inspection, the leak shall be noted, and the leaking component shall be repaired or replaced no later than the next walk-through inspection.
- I. The results of the required fugitive component physical inspection program shall be made available to the TCEQ Executive Director or his designated representative upon request.

Records shall indicate appropriate dates, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of physical inspections are not required unless a leak is detected.

54. Quarterly Instrument Connector Monitoring - 28CNTQ

The following conditions apply only to EPNs 01FUG\_001, 03FUG\_001, 04FUG\_001, 04FUG\_003, 08FUG\_001, 09FUG\_001, 10FUG\_001, 11FUG\_001, 11FUG\_002, and 11FUG\_004. In addition to the weekly physical inspection required by Item E of Special Condition No. 52, all accessible connectors in gas/vapor and light liquid service shall be monitored quarterly with an approved gas analyzer in accordance with Items F thru J of Special Condition No. 52. **(06/18)**

A. Allowance for reduced monitoring frequencies.

- (1) The frequency of monitoring may be reduced from quarterly to semiannually if the percent of connectors leaking for two consecutive quarterly monitoring periods is less than 0.5 percent.
- (2) The frequency of monitoring may be reduced from semiannually to annually if the percent of connectors leaking for two consecutive semiannual monitoring periods is less than 0.5 percent.

B. If the percent of connectors leaking for any semiannual or annual monitoring period is 0.5 percent or greater, the facility shall revert to quarterly monitoring until the facility again qualifies for the alternative monitoring schedules previously outlined in this paragraph. The percent of connectors leaking used in paragraph A shall be determined using the following formula:

$$(CI + Cs) \times 100/Ct = Cp$$

Where:

CI = the number of connectors found leaking by the end of the monitoring period, either by Method 21 or sight, sound, and smell.

Cs = the number of connectors for which repair has been delayed and are listed on the facility shutdown log.

Ct = the total number of connectors in the facility subject to the monitoring requirements, as of the last day of the monitoring period, not including nonaccessible and unsafe-to-monitor connectors.

Cp = the percentage of leaking connectors for the monitoring period.

55. Piping, Valves, Pumps, and Compressors in Boron Trifluoride (BF<sub>3</sub>) Service Outside of the BF<sub>3</sub> Storage Building.

- A. Audio, olfactory, and visual checks for BF<sub>3</sub> leaks within the operating area outside of the BF<sub>3</sub> storage building located northwest of the process unit shall be made at least once every 24 hours.
- B. Immediately, but no later than one hour after detection of a leak plant personnel shall take the following actions:
  - (1) Isolate the leak.
  - (2) Commence repair or replacement of the leaking component.

## Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 24

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

The date and the time of each inspection shall be recorded in the operator's log or equivalent. Records shall be maintained at the plant site of all repairs and replacements made due to leaks. These records shall be made available to representatives of the TCEQ upon request.

### 56. Piping, Valves, Pumps, and Compressors in BF3 Service inside the BF3 Storage Building.

- A. Detectors shall be installed and maintained to check for BF3 leaks inside the BF3 storage building located northwest of the process unit, so that:

- (1) The detectors are set to alarm at no more than 1 ppm of BF3 or at no more than 1 ppm of hydrogen fluoride.
- (2) Plant personnel may observe and initiate response to an alarm at any time.
- (3) Each detector shall be tested and calibrated at least once in each calendar year.

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

- (1) Isolate the leak.
- (2) Commence repair or replacement of the leaking component.
- (3) Use a leak collection/containment system to prevent the leak until repair or replacement can be made if immediate repair is not possible.

The date and time of each detector test and calibration shall be recorded. Records shall be maintained at the plant site of all repairs and replacements made due to leaks. These records shall be made available to representatives of the TCEQ upon request.

57. The modification authorized by the Permit Number 18838 amendment dated July 2010 were determined not to be subject to major new source review by identifying projected actual emission rates for the facilities potentially affected by the project. Actual emissions from EPNs 08LWF\_9602 and 11TOX\_9604 shall be monitored, recorded and reports made in accordance Title 30 Texas Administrative Code § 116.121 (30 TAC § 116.121) for the time period specified in 30 TAC § 116.121(b)(1).

## Federal PAL

58. This permit establishes Plant-Wide Applicability Limits (PALs) for VOC, Particulate Matter with an aerodynamic diameter less than or equal to 10 microns (PM<sub>10</sub>), sulfur dioxide (SO<sub>2</sub>), and hydrogen sulfide (H<sub>2</sub>S). The PALs are effective for ten years after this permit is issued. Physical changes and changes in method of operation at this site are exempt from federal New Source Review for VOC, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, and H<sub>2</sub>S, as long as site emissions do not exceed PAL caps.

## MSS Special Conditions

59. This permit authorizes emissions from those 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 the MAERT and other requirements specified in the special conditions.

Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 25

Planned startup and shutdown emissions due to the activities identified in Special Condition No. 60 are authorized from facilities and emission points identified in Attachment D in other construction permits at the site provided the facility and emissions are compliant with the respective MAERT and special conditions of this permit. **(05/11)**

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

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

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

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

- A. the process unit at which emissions from the MSS activity occurred, including the emission point number and common name of the process unit;
- B. the type of planned MSS activity and the reason for the planned activity;
- C. the common name and the facility identification number, if applicable, of the facilities at which the MSS activity and emissions occurred;
- D. the date and time of the MSS activity and its duration;
- E. the estimated quantity of each air contaminant or mixture of air contaminants, emitted with the data and methods used to determine it. The emissions shall be estimated using the methods identified in the permit application, consistent with good engineering practice.

All MSS emissions shall be summed monthly and the rolling 12-month emissions shall be updated on a monthly basis. **(05/11)**

61. Process units and facilities, with the exception of those identified in Special Conditions 64, 65, 66, 67, and Attachment A shall be depressurized, emptied, degassed, and placed in service in accordance with the following requirements.

- A. The process equipment shall be depressurized to a control device or a controlled recovery system prior to venting to atmosphere, degassing, or draining liquid. Equipment that only contains material that is liquid with VOC partial pressure less than 0.50 psi at the normal process temperature and 95°F may be opened to atmosphere and drained in accordance with Paragraph C of this special condition. The vapor pressure at 95°F may be used if the actual temperature of the liquid is verified to be less than 95°F and the temperature is recorded.
- B. If mixed phase materials must be removed from process equipment, the cleared material shall be routed to a knockout drum or equivalent to allow for managed initial phase

separation. If the VOC partial pressure is greater than 0.50 psi at either the normal process temperature or 95°F, any vents in the system must be routed to a control device or a controlled recovery system. The vapor pressure at 95°F may be used if the actual temperature of the liquid is verified to be less than 95°F and the temperature is recorded. Control must remain in place until degassing has been completed or the system is no longer vented to atmosphere.

- C. All liquids from process equipment or storage vessels must be removed to the maximum extent practical prior to opening equipment to commence degassing and/or maintenance. Liquids must be drained into a closed vessel 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. After draining is complete, empty open pans may remain in use for housekeeping reasons to collect incidental drips.
- 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 62. 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. 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:

Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 27

- (1) It is not technically practicable to depressurize or degas, as applicable, into the process.
- (2) There is not an available connection to a plant control system (flare).
- (3) There is no more than 50 lbs of air contaminant to be vented to atmosphere during shutdown or startup, as applicable.

All instances of venting directly to atmosphere per Special Condition 61.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. **(05/11)**

62. 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 Part 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 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 response factor shall be recorded.
- (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. The highest measured VOC concentration 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 is less than 80 percent of the range of the tube. If the maximum range of the tube is greater than the release concentration defined in (3), the concentration measured 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 a certified pentane gas standard at 25% of the lower explosive limit (LEL) for pentane. Records of the calibration date/time and calibration result (pass/fail) shall be maintained.
  - (2) A daily functionality test shall be performed on each detector using the same certified gas standard used for calibration. The LEL monitor shall read no lower than 90% of the calibration gas certified value. Records, including the date/time and test results, shall be maintained.
  - (3) A certified methane gas standard equivalent to 25% of the LEL for pentane may be used for calibration and functionality tests provided that the LEL response is within 95% of that for pentane. **(05/11)**
63. If the removal of a component for repair or replacement results in an open ended line or valve, the open ended line is exempt from any NSR permit condition 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;
  - A. a cap, blind flange, plug, or second valve must be installed on the line or valve; or
  - B. 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 at the end of the 72 hour period following 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 20 ppmv above background and must be repaired within 24 hours or a cap, blind flange, plug, or second valve must be installed on the line or valve.
  - C. If the equipment has been gas freed for maintenance this requirement does not apply. **(05/11)**
64. This permit authorizes emissions from EPN 99MSS\_001 for the storage tanks identified in the attached facility list during planned floating roof landings. Tank roofs may only be landed for changes of tank service or tank inspection/maintenance as identified in the permit application. Emissions from change of service tank landings, for which the tank is not cleaned and degassed, shall not exceed 10 tons of VOC in any rolling 12 month period. Tank roof landings include all operations when the tank floating roof is on its supporting legs. These emissions are subject to the maximum allowable emission rates indicated on the MAERT. The following requirements apply to tank roof landings
  - A. The tank liquid level shall be continuously lowered after the tank floating roof initially lands on its supporting legs until the tank has been drained to the maximum extent practicable without entering the tank. Liquid level may be maintained steady for a period of up to two hours if necessary to allow for valve lineups and pump changes necessary to drain the tank. This requirement does not apply where the vapor under a floating roof is routed to control or a controlled recovery system during this process.
  - B. If the VOC partial pressure of the liquid previously stored in the tank is greater than 0.50 psi at 95°F, tank refilling or degassing of the vapor space under the landed floating roof must begin within 24 hours after the tank has been drained unless the vapor under the floating roof is routed to control or a controlled recovery system during this period. The tank shall not be opened except as necessary to set up for degassing and cleaning. Floating roof tanks with liquid capacities less than 100,000 gallons may be degassed without control if the VOC

partial pressure of the standing liquid in the tank has been reduced to less than 0.02 psia prior to ventilating the tank. Controlled degassing of the vapor space under landed roofs shall be completed as follows:

- (1) Any gas or vapor removed from the vapor space under the floating roof must be routed to a control device or a controlled recovery system and controlled degassing must be maintained until the VOC concentration is less than 10,000 ppmv or 10 percent of the LEL. The locations and identifiers of vents other than permanent roof fittings and seals, control device or controlled recovery system, and controlled exhaust stream shall be recorded. There shall be no other gas/vapor flow out of the vapor space under the floating roof when degassing to the control device or controlled recovery system.
  - (2) The vapor space under the floating roof shall be vented using good engineering practice to ensure air contaminants are flushed out of the tank through the control device or controlled recovery system to the extent allowed by the storage tank design.
  - (3) A volume of purge gas equivalent to twice the volume of the vapor space under the floating roof must have passed through the control device or into a controlled recovery system, before the vent stream may be sampled to verify acceptable VOC concentration. The measurement of purge gas volume shall not include any make-up air introduced into the control device or recovery system. The VOC sampling and analysis shall be performed as specified in Special Condition 62.
  - (4) The sampling point shall be upstream of the inlet to the control device or controlled recovery system. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the process equipment or vessel being purged.
  - (5) Degassing must be performed every 24 hours unless there is no standing liquid in the tank or the VOC partial pressure of the remaining liquid in the tank is less than 0.15 psia.
- C. The tank shall not be opened or ventilated without control, except as allowed by (1) or (2) below until one of the criteria in part D of this condition is satisfied.
- (1) Minimize air circulation in the tank vapor space.
    - (a) One manway may be opened to allow access to the tank to remove or de volatilize the remaining liquid. Other manways or access points may be opened as necessary to remove or de-volatilize the remaining liquid. Wind barriers shall be installed at all open manways and access points to minimize air flow through the tank.
    - (b) Access points shall be closed when not in use
  - (2) Minimize time and VOC partial pressure.
    - (a) The VOC partial pressure of the liquid remaining in the tank shall not exceed 0.50 psi as documented by the method specified in Part D.i of this condition;
    - (b) Blowers may be used to move air through the tank without emission control at a rate not to exceed 16,900 cfm for no more than 5 days. All standing liquid shall be removed from the tank during this period.
    - (c) Records shall be maintained of the blower circulation rate, the duration of uncontrolled ventilation, and the date and time all standing liquid was removed from the tank.



- D. The tank may be opened without restriction and ventilated without control, after all standing liquid has been removed from the tank or the liquid remaining in the tank has a VOC partial pressure less than 0.02 psia. These criteria shall be demonstrated in any one of the following ways.
- (1) Low VOC partial pressure liquid that is soluble with the liquid previously stored may be added to the tank to lower the VOC partial pressure of the liquid mixture remaining in the tank to less than 0.02 psia. This liquid shall be added during tank degassing if practicable. The estimated volume of liquid remaining in the drained tank and the volume and type of liquid added shall be recorded. The liquid VOC partial pressure may be estimated based on this information and engineering calculations.
  - (2) If water is added or sprayed into the tank to remove standing VOC, one of the following must be demonstrated:
    - (a) Take a representative sample of the liquid remaining in the tank and verify no visible sheen using the static sheen test from 40 CFR Part 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 1,000 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, 1,000 ppmv through the procedure in Special Condition 62.
  - (3) No standing liquid verified through visual inspection.
- The permit holder shall maintain records to document the method used to release the tank.
- E. Tanks shall be refilled as rapidly as practicable until the roof is off its legs with the following exceptions:
- (1) Only one tank with a landed floating roof and not using a closed vent system and control device can be filled at any time at a rate not to exceed 4,000 gpm.
  - (2) 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 which did not use a closed vent system and control device 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,

Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 31

- (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. **(05/11)**
65. Fixed roof storage tanks are subject to the requirements of Special Condition 64.C and 64.D. If the ventilation of the vapor space is controlled, the emission control system shall meet the requirements of Special Condition 64.B(1) through 64.B(5). Records shall be maintained per Special Condition 64.F(3)c through 64.F(3)e, and 64.F(4). **(05/11)**
66. The following requirements apply to vacuum and air mover truck operations to support planned MSS at this site:
- A. Vacuum pumps and blowers shall not be operated on trucks containing or vacuuming liquids with VOC partial pressure greater than 0.50 psi at 95°F unless the vacuum/blower exhaust is routed to a control device or a controlled recovery system.
  - B. The fill line intake shall be equipped with a "duckbill" or equivalent attachment if the hose end cannot be submerged in the liquid being collected.
  - C. 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 62.
  - D. If vacuum truck exhaust is not controlled, the following requirements apply.
    - (1) Prior to initial use, identify any liquid in the truck. Document that the VOC partial pressure is less than 0.50 psi prior to each liquid transfer, identify the liquid to be transferred and document that the VOC partial pressure is less than 0.50 psi. at 95°F.
    - (2) 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.
  - E. 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 uncontrolled vacuum truck pick-up are not maintained, the emissions shall be determined using the truck volume and 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.

- F. 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 66.A through 66.D do not apply. **(05/11)**
67. The following requirements apply to frac, or temporary, tanks and vessels used in support of planned MSS activities.
- A. Except for labels, logos, etc. not to exceed 15% of the tank/vessel total surface area, the exterior surfaces of these tanks/vessels that are exposed to the sun shall be white, silver or aluminum effective May 1, 2013. This requirement does not apply to tanks/vessels that only vent to atmosphere when being filled.
  - B. If uncontrolled these tanks/vessels must be covered and equipped with fill pipes that discharge within 6 inches of the tank/vessel bottom.
  - C. These requirements do not apply to vessels storing less than 100 gallons of liquid that are closed such that the vessel does not vent to atmosphere.
  - D. The permit holder shall maintain an emissions record which includes calculated emissions of VOC from all frac tanks during the previous calendar month and the past consecutive 12 month period. The record shall include tank identification number, dates put into and removed from service, control method used, tank capacity and volume of liquid stored in gallons, name of the material stored, VOC molecular weight, and VOC partial pressure at the estimated monthly average material temperature in psia. Filling emissions for tanks shall be calculated using the TCEQ publication titled "Technical Guidance Package for Chemical Sources Loading Operations" and standing emissions determined using: the TCEQ publication titled "Technical Guidance Package for Chemical Sources Storage Tanks."
  - E. If the tank/vessel is used to store liquid with VOC partial pressure less than 0.10 psi at 95°F, or if the tank vents are routed to a control device, records may be limited to the days the tank is in service and the liquid stored. Emissions may be estimated based upon the potential to emit as identified in the permit application. **(05/11)**
68. Planned MSS activities represented in the permit application may be authorized under permit by rule only if the procedures, emission controls, monitoring, and recordkeeping are the same as those required by this permit. **(05/11)**
69. All permanent facilities must comply with all operating requirements, limits, and representations in the permits identified in Attachment D during planned startup and shutdown unless alternate requirements and limits are identified in this permit. Alternate requirements for emissions from routine emission points are identified below.
- A. MSS Combustion sources, with the exception of flares, at this site are exempt from NO<sub>x</sub>, CO, NH<sub>3</sub>, PM and temperature operating requirements identified in special conditions in other NSR permits during planned startup and shutdown if the following criteria are satisfied.
    - (1) The maximum allowable emission rates in the permit authorizing the facility are not exceeded.

- (2) The startup period does not exceed 8 hours in duration and the firing rate does not exceed 75 percent of the design firing rate. The time it takes to complete the shutdown does not exceed 4 hours.
    - (3) Control devices are started and operating properly when venting a waste gas stream.
  - B. Pyrolysis Furnaces (EPNs 10FRN\_630A and 10FRN\_630B) must comply with the lb/hr NO<sub>x</sub> limits listed on the MAERT for decoking and hot steam standby operations while operating in these modes, as defined below:
    - (1) Decoking is defined as periods when there is no hydrocarbon feed to the furnace and there is a feed of air and/or steam to remove coke that has built up on the radiant coils, and the effluent is routed to the decoking vent (EPN 10VNT\_6301).
    - (2) Hot Steam Standby is defined as periods when there is no hydrocarbon feed to the furnace and steam flow is maintained with the purpose of preventing overheating of furnace components.

The permit holder shall keep hourly records for each furnace to demonstrate compliance with this condition for a minimum of 60 months. The records shall include, at a minimum, operating mode (normal operation, decoking, or hot steam standby), and fuel flow rate. The records must also indicate whether there is hydrocarbon feed to the furnace and whether the effluent is routed to the decoking vent. **(10/17)**
  - C. A record shall be maintained indicating that the start and end times of each of the activities identified above occur and documentation that the requirements for each have been satisfied. **(06/13)**
- 70. 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. This condition is not applicable to the following existing control devices: 02ABT\_325, 02ERS\_6389, 02SCB\_3167, 02BAG\_517, 02FIL\_211, 02BAG\_563, 02BAG\_573, 02BAG\_574, 02BAG\_590, 02BAG\_590, 02BAG\_6302, 02BAG\_6306, 02DTC\_313, 02DTC\_6260, 02DTC\_6402, 02DTC\_7103, 07SCB\_207, 07SCB\_7612, 01CAS\_037, 01CAS\_038 and 08LWF\_9602.

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.
- (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 62.
- (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. In lieu of replacing the carbon canister immediately, the MSS activity may be stopped and hourly monitoring performed on the second can until carbon change out occurs. Both canisters must be changed immediately if breakthrough occurs on the second can. 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% of the minimum potential saturation time (EPNs 01CAS\_037 and 01CAS\_038 are exempt from this requirement). The permit holder shall maintain records for these systems, including the calculations performed to determine the saturation time. The time limit on carbon canister service shall be recorded and the expiration date attached to the carbon can.

B. Thermal Oxidizer or Combustor.

- (1) The thermal oxidizer or combustor firebox exit temperature shall be maintained at not less than 1400°F and waste gas flows shall be limited to assure at least a 0.5 second residence time in the fire box while waste gas is being fed into the oxidizer or combustor. The residence time requirement does not apply to 02TOX\_6240, 11TOX\_9603, 11TOX\_9604, and 08LWF\_9602.
- (2) The thermal oxidizer or combustor exhaust temperature shall be continuously monitored and recorded when waste gas is directed to the oxidizer. The temperature measurements shall be made at intervals of six minutes or less and recorded at that frequency.

The temperature measurement device shall be installed, calibrated, and maintained according to accepted practice and the manufacturer's specifications. The device shall have an accuracy of the greater of  $\pm 0.75$  percent of the temperature being measured expressed in degrees Celsius or  $\pm 2.5^{\circ}\text{C}$ .

- (3) As an alternative to Special Condition No 70.B(1), the thermal oxidizer or combustor may be tested to confirm a minimum of 99 wt% destruction efficiency. The results of the test will be used to determine the minimum operating temperature and residence time. Stack test must have been performed within the last 12 months. Stack VOC

concentrations and flow rates shall be measured in accordance with applicable EPA reference methods. A copy of the test report shall be maintained and a summary of the testing results shall be included with the emission calculations.

- (4) As an alternative to Special Condition No. 70.B(1)-(2), the thermal oxidizer or combustor may be equipped with continuous VOC monitors (inlet and outlet). The VOC monitors shall be calibrated and maintained according with Special Condition No. 62, except 62.C. In order to demonstrate compliance with this requirement, inlet VOC and outlet VOC concentrations shall be measured and inlet VOC and outlet VOC mass rates shall be calculated on an hourly basis to confirm minimum 99wt% destruction efficiency or an exhaust concentration not greater than 20 ppmv.

C. Internal Combustion Engine.

- (1) The internal combustion engine shall have a VOC destruction efficiency of at least 99 percent.
- (2) The engine must have been stack tested with butane or propane to confirm the required destruction efficiency within the past 12 months. VOC shall be measured in accordance with the applicable United States Environmental Protection Agency (EPA) Reference Method during the stack test and the exhaust flow rate may be determined from measured fuel flow rate and measured oxygen concentration. A copy of the stack test report shall be maintained. There shall also be documentation of acceptable VOC emissions following each occurrence of engine maintenance which may reasonably be expected to increase emissions including oxygen sensor replacement and catalyst cleaning or replacement. Stain tube indicators specifically designed to measure VOC concentration shall be acceptable for this documentation, provided a hot air probe or equivalent device is used to prevent error due to high stack temperature, and three sets of concentration measurements are made and averaged. Portable VOC analyzers meeting the requirements of Special Condition 62 are also acceptable for this documentation
- (3) The engine shall be operated and monitored in accordance with either (a) or (b) below.
  - (a) The engine shall be operated with an oxygen sensor-based air-to-fuel ratio (AFR) controller. Documentation for each AFR controller that the manufacturer's, or supplier's recommended maintenance has been performed, including replacement of the oxygen sensor as necessary for oxygen sensor-based controllers shall be maintained with the engine. The oxygen sensor shall be replaced at least quarterly in the absence of a specific written recommendation.
  - (b) The engine exhaust to atmosphere shall be monitored continuously and the VOC concentration recorded at least once every 15 minutes when waste gas is directed to the engine. The method of VOC sampling and analysis shall be by detector meeting the requirements of Special Condition 62. An alarm shall be installed such that an operator is alerted when outlet VOC concentration exceeds 100 ppmv above background. The MSS activity shall be stopped as soon as possible if the VOC concentration exceeds 100 ppmv above background for more than one minute. The date and time of all alarms and the actions taken shall be recorded.

D. The plant flare system or temporary portable flares.

- (1) A portable or newly installed permanent flare that receives waste gas that has been redirected from a flare covered by the Incorporated Consent Decree Requirements

must comply with the requirements listed in Special Conditions 75 through 107. Flares covered under the Incorporated Consent Decree requirements include the following existing flares:

- (a) LP East (East Flare) and HP West (West Flare) [EPN 11FLR\_4142]
- (b) UDEX Flare [EPN 11FLR\_043]
- (c) Paraxylene Flare (PX Flare) [EPN 11FLR\_9601]
- (d) Catalyst and Synthetics Flare (C&S Flare) [EPN11FLR\_613]

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

- (1) The exhaust to atmosphere shall be monitored continuously and the VOC concentration recorded at least once every 15 minutes when waste gas is directed to the scrubber.
- (2) The method of VOC sampling and analysis shall be by detector meeting the requirements of Special Condition 62.
- (3) An alarm shall be installed such that an operator is alerted when outlet VOC concentration exceeds 100 ppmv above background. The MSS activity shall be stopped as soon as possible when the VOC concentration exceeds 100 ppmv above background for more than one minute. The date and time of all alarms and the actions taken shall be recorded.

F. A closed loop refrigerated vapor recovery system

- (1) The vapor recovery system shall be installed on the facility to be degassed using good engineering practice to ensure air contaminants are flushed from the facility through the refrigerated vapor condensers and back to the facility being degassed. The vapor recovery system and facility being degassed shall be enclosed except as necessary to insure structural integrity (such as roof vents on a floating roof tank).
- (2) VOC concentration in vapor being circulated by the system shall be sampled and recorded at least once every 4 hours at the inlet of the condenser unit with an instrument meeting the requirements of Special Condition 62.
- (3) The quantity of liquid recovered from the tank vapors and the tank pressure shall be monitored and recorded each hour. The liquid recovered must increase with each reading and the tank pressure shall not exceed one inch water pressure while the system is operating. **(09/20)**

71. With the exception of the MAERT emission limits, these permit conditions become effective 180 days after this permit has been issued. During this period, monitoring and recordkeeping shall satisfy the requirements of Special Condition 60.A through 60.D. During the time when the facility has not received both this permit and the associated Federal Operating Permit, enforcement discretion allowed by the executive director under 30 TAC § 101.222(i) for unauthorized emissions for planned MSS activities shall be granted for a period of one year from the date of all the associated operating permit issuance. Emissions shall be estimated using good engineering practice and methods to provide reasonably accurate representations for emissions. The basis used for determining the quantity of air contaminants to be emitted shall be recorded. The permit holder may maintain abbreviated records of emissions from Attachments A and B activities as allowed in Special Condition 60 rather than documenting all the information required by Special Condition 60 Parts A through D. **(05/11)**

### Greenhouse Gas (GHG) Calculation Methodology

72. Calculations of emissions of CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O to determine compliance with the MAERT CO<sub>2e</sub> emission limitation shall be calculated based on supplemental natural gas added through injection points installed by the Flare Optimization Project (TCEQ Project No. 235435). Calculations will be completed by the end of the current month for the previous rolling 12-month basis. **(06/18)**
- 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 flare: East (LP) Flare (EPN: 11FLR\_041), the West (HP) Flare (EPN: 11FLR\_042), UDEX Flare (EPN: 11FLR\_043), Paraxylene (PX) Flare (EPN: 11FLR\_9601), and C&S Flare (EPN: 11FLR\_613):
- (1) Use the default CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O emission factors contained in Table C-1 and Table C-2 of 40 CFR Part 98; and
  - (2) The total annual heat input of the supplemental natural gas will use the natural gas high heat value in Table C-1 of 40 CFR Part 98; and,
  - (3) The following records shall be maintained:
    - (a) GHG Monthly and rolling 12-month CO<sub>2</sub> and CO<sub>2e</sub> emissions data in tons; and
    - (b) Monthly and rolling 12-month fuel flow data.
- C. Fugitive emissions of methane from EPN 11FUG\_002 shall be calculated using emission factors and LDAR reductions of the TCEQ 28MID and 28CNTQ programs and the component categories and counts as represented in the GHG permit application, PI-1 dated September 20, 2017.
73. The permit holder shall calculate the CO<sub>2e</sub> 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). **(06/18)**

### GHG Continuous Determination of Compliance

74. Permit holders must keep records sufficient to demonstrate compliance with 30 Texas Administrative Code § 116.164. Records shall be sufficient to demonstrate the amount of emissions of GHGs from the source as a result of construction, a physical change or a change in method of operation does not require authorization under 30 TAC §116.164(a). Records shall be maintained for a period of five years after collection. **(06/18)**

### Incorporated Consent Decree Requirements

75. The following Special Conditions incorporating Consent Decree requirements applicable to Covered Flares apply to the existing Flares, LP East (also known as LP Flare or East Flare) (EPN: 11FLR\_041), HP West (also known as HP Flare or West Flare) (EPN: 11FLR\_042), UDEX



Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 38

(11FLR\_043), Paraxylene (also known as PX Flare) (EPN: 11FLR\_9601), and CS (also known as C&S Flare) (EPN: 11FLR\_613), and Covered Flares installed after these Special Conditions are included in the permit.

Terms used in the following conditions are as defined in Incorporated Consent Decree Definitions provided in Appendix 1.1 of Attachment E. **(09/19)**

76. Except for Newly Installed Covered Flares or Portable Flares, the permit holder shall install and commence operation of the instrumentation, controls, and monitoring systems set forth in the Consent Decree requirements incorporated into this Permit at each Covered Flare, as specified for Steam-Assisted Flares and Air-Assisted Flares. **(09/19)**
77. Except as provided below for Portable Flares, and no later than the date that any Newly Installed Covered Flare or Portable Flare is In Operation and Capable of Receiving Waste, Supplemental, and/or Sweep Gas at a Covered Facility, the permit holder shall complete installation and commence operation of the instrumentation, controls, and monitoring systems. The permit holder shall operate the instrumentation, controls, and monitoring systems for each Newly Installed Covered Flare and Portable Flare in accordance with the Consent Decree requirements incorporated into this Permit.

The following conditions apply to Portable Flares:

- A. For the purposes of this condition, a "planned" outage means an outage of a Covered Flare that is scheduled 30 Days or more in advance of the outage. An "unplanned" outage is an outage of a Covered Flare that either is scheduled less than 30 Days in advance or is unscheduled.
- B. For any planned or unplanned outage of a Covered Flare that the permit holder knows or reasonably anticipates will result in 504 hours or less of downtime on a 1,095-Day rolling sum period, rolled daily, the permit holder must make good faith efforts to ensure that the Portable Flare that replaces the Covered Flare complies with all of the Consent Decree requirements incorporated into this Permit, that are applicable to the Covered Flare that the Portable Flare replaces.
- C. Outages lasting more than 504 hours
  - (1) For any planned outage of a Covered Flare that the permit holder knows or reasonably can anticipate will last more than 504 hours on a 1,095-Day rolling sum period, rolled daily, the permit holder must ensure that the Portable Flare complies with all of the Consent Decree requirements incorporated into this Permit related to the Covered Flare that it replaces as of the date that the Portable Flare is In Operation and Capable of Receiving Waste, Supplemental, and/or Sweep Gas including, but not limited to, the Net Heating Value standards in Special Conditions 102, 103, and 104.
  - (2) For any unplanned outage of a Covered Flare that, in advance of the outage, the permit holder cannot reasonably anticipate will last longer than 504 hours, the permit holder must ensure that the Portable Flare complies with all of the Consent Decree requirements incorporated into this Permit related to the Covered Flare that it replaced by no later than 30 Days after the date that the permit holder knows or reasonably should have known that the outage will last more than 504 hours, including, but not limited to, the Net Heating Value Standards in Special Conditions 102, 103, and 104.

- (3) The permit holder shall keep records sufficient to document compliance with the requirements of this condition any time a Portable Flare is used. **(09/19)**
78. The permit holder shall install, operate, calibrate, and maintain a monitoring system capable of continuously measuring, calculating, and recording the volumetric flow rate of Vent Gas in the header or headers feeding the Covered Flare. This system must also be able to continuously analyze pressure and temperature at each point of Vent Gas flow measurement. Different flow monitoring methods may be used to measure different gaseous streams that make up the Vent Gas provided that the flow rates of all gas streams that contribute to the Vent Gas are determined. Flow must be calculated in standard cubic feet per minute (scfm) and pounds per hour.
- A. Each flow rate monitoring system must be able to correct for the temperature and pressure of the system and output parameters in Standard Conditions.
- B. In lieu of a monitoring system that directly measures volumetric flow rate, one of the following options may be utilized for monitoring any gas stream:
1. Mass flow monitors may be used for determining the volumetric flow rate of Vent Gas, provided the molecular weight of such Vent Gas is determined using compositional analysis data collected using a monitoring system capable of continuously measuring (i.e., at least once every 15 minutes), calculating, and recording the individual component concentrations present in the Vent Gas, and provided that the mass flow rates are converted to volumetric flow rates pursuant to the methodology in Appendix 1.2 Step 2 of Attachment E.
  2. Continuous pressure/temperature monitoring system(s) and appropriate engineering calculations may be used in lieu of a continuous volumetric flow monitoring system provided the molecular weight of the gas is known and the permit holder complies with methodology in Appendix 1.2 Step 2 of Attachment E for calculating volumetric flow rates. For Vent Gas, molecular weight must be determined using compositional analysis data collected using a monitoring system capable of continuously measuring (i.e., at least once every 15 minutes), calculating, and recording the individual component concentrations present in the Vent Gas. **(09/19)**
79. The permit holder shall install, operate, calibrate, and maintain a monitoring system capable of continuously measuring, calculating, and recording the volumetric flow rate of Assist Steam used with each Covered Steam-Assisted Flare. This system must also be able to continuously analyze the pressure and temperature of Assist Steam at a representative point of steam flow measurement. Flow must be calculated in scfm and pounds per hour.
- A. The flow rate monitoring system must be able to correct for the temperature and pressure of the system and output parameters in Standard Conditions.
- B. In lieu of a monitoring system that directly measures volumetric flow rate, mass flow monitors may be used for determining the volumetric flow rate of Assist Steam provided the mass flow rates are converted to volumetric flow rates pursuant to the methodology in Appendix 1.2 Step 2 of Attachment E. **(09/19)**
80. The permit holder shall install, operate, calibrate, and maintain a monitoring system capable of continuously measuring, calculating, and recording the volumetric flow rate of Assist Air used with each Covered Air-Assisted Flare. If premix assist air and Perimeter Assist Air are both used, install,

Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 40

operate, calibrate, and maintain a monitoring system capable of separately continuously measuring, calculating, and recording the volumetric flow rate of pre-mix assist air and Perimeter Assist Air used with that Covered Flare. Continuously monitoring fan speed or power and using fan curves is an acceptable method for continuously monitoring Assist Air flow rates. Flow must be calculated in scfm and pounds per hour.

- A. The flow rate monitoring system must be able to correct for the temperature and pressure of the system and output parameters in Standard Conditions.
  - B. In lieu of a monitoring system that directly measures volumetric flow rate, mass flow monitors may be used for determining the volumetric flow rate of Assist Air provided the mass flow rates are converted to volumetric flow rates pursuant to the methodology in Appendix 1.2 Step 2 of Attachment E. **(09/19)**
81. The permit holder shall install and operate equipment, including, as necessary, main and trim control valves and piping which enables the control of Assist Steam flow to each Covered Flare in a sufficient manner to ensure compliance with the Consent Decree requirements included in this permit. **(09/19)**
82. The permit holder shall determine the concentration of individual components in the Vent Gas or directly monitor the Net Heating Value ( $NHV_{vg}$ ) using one of the two methods below:
- A. Install, operate, calibrate, and maintain a monitoring system capable of continuously measuring (at least once every 15 minutes), calculating, and recording the individual component concentrations present in the Vent Gas. Measure no less than once every 15 minutes and record that value.
  - B. Install, operate, calibrate, and maintain a calorimeter capable of continuously measuring (at least once every 15 minutes), calculating, and recording the  $NHV_{vg}$  at Standard Conditions. If this method is chosen, the permit holder may install, operate, calibrate, and maintain a monitoring system capable of continuously measuring, calculating, and recording the hydrogen concentration in the Vent Gas. The sample extraction point of the calorimeter may be located upstream of the introduction of Supplemental Gas or Sweep Gas or Purge Gas if the composition and flow rate of any such Supplemental Gas or Sweep Gas or Purge Gas is known and if this known value then is used in the calculation of the Net Heating Value of Vent Gas.
  - C. If the permit holder elects the method in Special Condition 82.B and the Net Heating Value of the Vent Gas exceeds the upper calibrated span of the calorimeter on the Covered Flare, then use the value of the upper calibrated span of that calorimeter for calculating the  $NHV_{vg}$  at Standard Conditions until the Net Heating Value of the Vent Gas returns to within the measured calibrated span. Use of this method will not constitute instrument system downtime for the period of time that the Net Heating Value of the Vent Gas exceeds the upper calibrated span of the calorimeter. Measure continuously and record 15-minute block averages.

Direct compositional or Net Heating Value monitoring is not required for purchased ("pipeline quality") natural gas streams. The Net Heating Value of purchased natural gas streams may be determined using annual or more frequent grab sampling at any one representative location. Alternatively, the Net Heating Value of any purchased natural gas stream can be assumed to be 920 BTU/scf. **(09/19)**

Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 41

83. At permit holder's option, in order to continuously measure and calculate flow, in scfm and pounds per hour, of all Pilot Gas to a Covered Flare, the permit holder may elect to either

- A. Install (if not already installed) an instrument, or
- B. Use a restriction orifice and pressure measurements to continuously measure and calculate Pilot Gas flow.

The data generated by this instrument or restriction orifice may be used as part of the calculation for Net Heating Values of the Combustion Zone Gas. **(09/19)**

84. The instrumentation and monitoring systems identified in Special Conditions 78, 79, 80, and 82 must:

- A. Meet or exceed all applicable minimum accuracy, calibration and quality control requirements specified in Table 13 of 40 C.F.R. Part 63, Subpart CC.
- B. Have an associated readout (i.e., a visual display or record) or other indication of the monitored operating parameter that is readily accessible onsite for operational control or inspection.
- C. Be capable of measuring the appropriate parameter over the range of values expected for that measurement location.
- D. Have an associated data recording system with a resolution that is equal to or better than the required instrumentation/system accuracy. **(09/19)**

85. The permit holder shall operate, maintain, and calibrate each instrument and monitoring system identified in the Consent Decree requirements incorporated into this permit according to a monitoring plan that contains the information listed in 40 C.F.R. § 63.671(b)(1) through (5). **(09/19)**

86. Monitoring systems specified in Special Condition 82.A used to continuously measure, calculate, and record the individual component concentrations present in the Vent Gas must meet the requirements of 40 C.F.R. § 63.671(e)(1) through (3). **(09/19)**

87. For each instrumentation and monitoring system required by Special Conditions 78, 79, 80, and 82 (or installed pursuant to Special Condition 83), the permit holder shall comply with the out-of-control procedures described in 40 C.F.R. § 63.671(c)(1) and (2), and with the data reduction requirements specified in 40 C.F.R. § 63.671(d)(1) through (3). **(09/19)**

88. The language in 40 C.F.R. § 63.671, Table 13 of 40 C.F.R. Part 63, Subpart CC, or in any regulatory provision cross-referenced in 40 C.F.R. § 63.671 or Table 13 of 40 C.F.R. Part 63, Subpart CC, that limits the applicability of these regulatory requirements to periods when "regulated material" (as defined in 40 C.F.R. § 63.641) is routed to a Covered Flare is not applicable for the purposes of these incorporated Consent Decree requirements. In addition, for the purposes of these incorporated Consent Decree requirements, the language in 40 C.F.R. § 63.671, Table 13 of 40 C.F.R. Part 63, Subpart CC, or in any regulatory provision cross-referenced in 40 C.F.R. § 63.671 or Table 13 of 40 C.F.R. Part 63, Subpart CC, that refers to a continuous parametric monitoring system will instead be read to refer to the instrumentation and monitoring systems required by the Consent Decree requirements incorporated into this permit. **(09/19)**

Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 42

89. The instrumentation and monitoring systems identified in the Consent Decree requirements incorporated into this permit must be able to produce and record data measurements and calculations for each parameter at the following time intervals:
- A. Vent Gas, Assist Steam Flow Monitoring Systems, Assist Air Flow Monitoring Systems, and Pilot Gas Flow (if installed): Measure continuously and record 15-minute block averages.
  - B. Vent Gas Compositional Monitoring (if using this methodology in Special Condition 82.A): Measure no less than once every 15 minutes and record that value.
  - C. Vent Gas Net Heating Value Analyzer (if using this methodology in Special Condition 82.B): Measure continuously and record 15-minute block averages.

Nothing in this Special Condition prohibits the permit holder from setting up process control logic that uses different averaging times from those in this Special Condition provided that the recording and averaging times in this Special Condition are available and used for determining compliance with the Consent Decree requirements incorporated into this permit. **(09/19)**

90. The permit holder shall operate each of the instruments and monitoring systems required by Special Conditions 78, 79, 80, 82, and 91 and collect data on a continuous basis when the Covered Flare associated with the instrument and/or monitoring systems is In Operation and Capable of Receiving Sweep, Supplemental, and/or Waste Gas.

This does not apply to Instrument Downtimes as defined in these incorporated Consent Decree requirements. **(09/19)**

91. The permit holder shall install and operate a video camera that is capable of monitoring and recording, in digital format, the flame of and any Smoke Emissions from the Covered Flare. Record video at a rate of no less than 4 frames per minute. **(09/19)**
92. For each Covered Flare that has a water seal, if all of the following conditions are met, then the Covered Flare is not receiving Potentially Recoverable Gas flow:
- A. For the water seal drum associated with the respective Covered Flare, the pressure difference between the inlet pressure and the outlet pressure is less than the water seal pressure as set by the static head of water between the opening of the dip tube in the drum and the water level in the drum;
  - B. For the water seal drum associated with the respective Covered Flare, the water level in the drum is: (i) at the level of the weir or (ii) if the water level in the drum is measured, the measurement indicates that the water seal is present; and
  - C. Downstream of the seal drum, there is no flow of Supplemental Gas directed to the Covered Flare. **(09/19)**
93. The permit holder shall operate each FGRS identified in Appendix 1.4 of Attachment E in a manner to minimize Waste Gas to the applicable Covered Flares while ensuring safe chemical plant operations. The permit holder shall operate each FGRS consistent with good engineering and maintenance practices and in accordance with its design and the manufacturer's specifications. Nothing in Special Conditions 93 and 94 will require the site to recover Regeneration Waste Gas Streams in a FGRS. **(09/19)**

Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 43

94. The permit holder must comply with the following requirements for each FGRS identified in Appendix 1.4 of Attachment E:
- A. When Potentially Recoverable Gas is being generated: The Plant FGRS must have one Compressor Available for Operation or In Operation 98% of the time and an installed Duplicate Spare Compressor. The Maintenance of FGRS and FGRS Shut Down periods identified in Special Conditions 94.B and 94.C below may be included in the amount of time that a Compressor is Available for Operation when determining compliance with the requirement to have a Compressor Available for Operation or In Operation.
  - B. Maintenance of FGRS. Periods of maintenance on and subsequent restart of the Compressor(s) may be included in the amount of time that a Compressor is Available for Operation when determining compliance with the requirement to have a Compressor Available for Operation or In Operation; provided however, these periods must not exceed 1,344 hours per Compressor in a five-year rolling sum period, rolled daily. The permit holder shall use best efforts to schedule maintenance activities during a turnaround of the process units venting to the Covered Flare(s) served by the applicable FGRS. To the extent it is not practicable to undertake these maintenance activities during a turnaround of these units, the permit holder shall use best efforts to minimize the generation of Waste Gas during such periods.
  - C. FGRS Shut Down. Periods in which the FGRS is shut down (including the subsequent restart) due to operating conditions (such as high temperatures or large quantities of entrained liquid in the Vent Gas) outside the design operating range of the FGRS, including the associated knock-out drum(s), such that the outage is necessary for safety or to preserve the mechanical integrity of the FGRS may be included in the amount of time that a Compressor is Available for Operation when determining compliance with the requirement to have the Compressor Available for Operation or In Operation. By no later than 45 Days after any such outage, the permit holder shall investigate the root cause and all contributing causes of the outage and implement, as expeditiously as practicable, corrective action, if any, to prevent a recurrence of the cause(s).
  - D. The permit holder may submit a request to the EPA for approval of an alternative FGRS that is not explicitly referenced herein or in Appendix 1.4 of Attachment E in order to ensure compliance with availability requirements, provided that the proposed alternative FGRS provides equivalent or better Waste Gas recovery capacity than the FGRS required by Appendix 1.4 of Attachment E.
  - E. For purposes of calculating compliance with the FGRS Operation and Availability periods of time (98%) that a Compressor or group of Compressors must be Available for Operation and/or In Operation, as required by the Special Condition 94.A, the period to be used must be an 8,760 hour rolling sum, rolled hourly, using only hours when Potentially Recoverable Gas was generated during all or part of the hour but excluding hours for flows that could not have been prevented through reasonable planning and were in anticipation of or caused by a natural disaster, act of war or terrorism, or External Utility Loss. When no Potentially Recoverable Gas was generated during an entire hour, then that hour must not be used in computing the 8,760 hour rolling sum. The rolling sum must include only the previous 8,760 1-hour periods when Potentially Recoverable Gas was generated during all or part of the hour, provided that the Potentially Recoverable Gas was not generated by flows that could not have been prevented through reasonable planning and were in anticipation of or caused by a natural disaster, act of war or terrorism, or External Utility Loss. **(09/19)**

Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 44

95. The following General Emission Standards are applicable to Covered Flares when that Covered Flare is In Operation.
- A. The Covered Flare must operate at all times when emissions may be vented to it.
  - B. Smokeless design capacity must be specified.
  - C. The Covered Flare must operate with no Visible Emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours, when the Covered Flare is In Operation and the Vent Gas flow is less than the smokeless design capacity of the Covered Flare. The permit holder shall record and report any instances where Visible Emissions are observed for more than 5 minutes during any 2 consecutive hours as specified in 40 C.F.R. § 63.655(g)(11)(ii).
  - D. For the purposes of these incorporated Consent Decree requirements, Visible Emissions must be determined by a person trained in accordance with Section 2.3 of Method 22 or documented by a video camera.
  - E. The Covered Flare must be monitored for Visible Emissions while it is In Operation, as specified below in Special Conditions 95.E.1 or 2. An initial Visible Emissions demonstration must be conducted using an observation period of 2 hours using Method 22 at 40 C.F.R. Part 60, Appendix A-7. Subsequent Visible Emissions observations must be conducted using one of the two methods listed below:
    - 1. At least once per day, the permit holder shall conduct Visible Emissions observations using an observation period of 5 minutes using Method 22 at 40 C.F.R. Part 60, Appendix A-7. If Visible Emissions are seen, even if the minimum required daily visible emission monitoring has already been performed, an observation period of 5 minutes must immediately be done using Method 22 at 40 C.F.R. Part 60, Appendix A-7. If Visible Emissions are observed for more than one continuous minute during any 5-minute observation period, the observation period using Method 22 at 40 C.F.R. Part 60, Appendix A-7 must be extended to 2 hours or until 5 minutes of Visible Emissions are observed.
    - 2. A video surveillance camera may be used to continuously record (at least one frame every 15 seconds with time and date stamps) images of the Covered Flare flame, and a reasonable distance above the Covered Flare flame, at an angle suitable for Visible Emissions observations. Real-time video surveillance camera output must be provided to the control room or other continuously staffed location where the camera images may be viewed at any time. **(09/19)**
96. The permit holder shall operate each Covered Flare with a pilot flame present at all times, and continuously monitored using a device (including, but not limited to, a thermocouple, ultraviolet beam sensor, or infrared sensor) capable of detecting that the pilot flame is present. **(09/19)**
97. The permit holder shall comply with all applicable Subparts of 40 C.F.R. Parts 60, 61, or 63 that state how a particular Covered Flare must be monitored. **(09/19)**
98. At all times, including during periods of startup, shutdown, and/or Malfunction, good air pollution control practices must be implemented to minimize emissions from each Covered Flare; provided however that the permit holder is not in violation of this requirement for any practice that the incorporated Consent Decree requirements require the permit holder to implement after June 6, 2018 for the period between June 6, 2018 and the compliance requirement, and this does not require the installation or maintaining of Flare monitoring equipment in addition to or different from the equipment specified in Special Conditions 78, 79, 80, 82, and 91. **(09/19)**

Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 45

99. The permit holder shall operate each Covered Flare with a minimum of a 98% Combustion Efficiency at all times when Waste Gas is vented to it. The permit holder shall also demonstrate continuous compliance with 98% Combustion Efficiency and operate each Covered Flare in compliance with the  $NHV_{vg}$ ,  $NHV_{cz}$ , and  $NHV_{dil}$  requirements specified in Special Conditions 102, 103, and 104. **(09/19)**
100. Provided that the appropriate monitoring systems are in place, whenever the Vent Gas flow rate is less than the smokeless design capacity of the Covered Flare, the permit holder shall operate Covered Flare in compliance with one of the following:
- A. The actual Flare Tip Velocity ( $V_{tip}$ ) must be less than 60 feet per second.  $V_{tip}$  is to be monitored using the procedures specified in Appendix 1.2 of Attachment E.
  - B.  $V_{tip}$  must be less than 400 feet per second and also less than the maximum allowed Flare Tip Velocity ( $V_{max}$ ) as calculated according to Appendix 1.2 Equation 12 of Attachment E. The permit holder shall monitor  $V_{tip}$  and gas composition and shall determine  $NHV_{vg}$  using the procedures specified in Appendix 1.2 of Attachment E. The Unobstructed Cross-Sectional Area of the Flare Tip must be calculated consistent with Appendix 1.3 of Attachment E. **(09/19)**
101. The permit holder shall operate and maintain each Covered Flare in accordance with its design and the requirements herein. **(09/19)**
102. Except during Instrument Downtime as defined in Special Condition 105 the permit holder shall operate the Covered Flare with an  $NHV_{vg}$  of greater than or equal to 300 BTU/scf determined on a 15-minute block period basis, when Waste Gas is routed to the Covered Flare for at least 15 minutes. The permit holder shall monitor and calculate  $NHV_{vg}$  at each Covered Flare in accordance with Appendix 1.2 of Attachment E.
- This requirement shall remain in effect until the earlier of:
- A. Termination of Consent Decree, Civil Action No. 4:17-cv-3302; or
  - B. The requirements in 40 C.F.R. §§ 60.18(c)(3)(ii) and 63.11(b)(6)(ii) related to the  $NHV_{vg}$  are modified. **(09/19)**
103. Except during Instrument Downtime as defined in Special Condition 105 any time a Covered Flare is In Operation, the permit holder shall operate that Flare so as to maintain the  $NHV_{cz}$  at or above 270 BTU/scf determined on a 15-minute block period basis, when Waste Gas is routed to the Covered Flare for at least 15 minutes. The permit holder shall monitor and calculate  $NHV_{cz}$  at each Covered Flare in accordance with Appendix 1.2 of Attachment E. **(09/19)**
104. While a Covered Flare that is actively receiving Perimeter Assist Air is In Operation, the permit holder shall maintain the net heating value dilution parameter ( $NHV_{dil}$ ) at or above 22 BTU/square foot determined on a 15-minute block period basis. The permit holder shall monitor and calculate  $NHV_{dil}$  at each Covered Flare that is actively receiving Perimeter Assist Air in accordance with Appendix 1.2 of Attachment E. **(09/19)**
105. If one or more of the following conditions (collectively referred to as "Instrument Downtime") is present and renders the Covered Flare incapable of operating in accordance with the applicable  $NHV$  standards in Special Conditions 102, 103, and 104, the Covered Flare must be operated in



Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 46

accordance with good air pollution control practices so as to minimize emissions from and ensure good Combustion Efficiency at that Covered Flare:

- A. Malfunction of an instrument, for an instrument needed to meet the requirement(s);
- B. Repairs following instrument Malfunction, for an instrument needed to meet the requirement(s);
- C. Scheduled maintenance of an instrument in accordance with the manufacturer's recommended schedule, for an instrument needed to meet the requirement(s); and/or
- D. Quality Assurance/Quality Control activities on an instrument needed to meet the requirement(s).

The calculation of Instrument Downtime must be made in accordance with 40 C.F.R. § 60.13(h)(2). In no event shall Instrument Downtime exceed 5% of the time in a calendar quarter that the Covered Flare affected by the Instrument Downtime is In Operation. For purposes of calculating the 5% of Instrument Downtime allowed, the time used for NHV analyzer or gas chromatograph calibration and validation activities may be excluded. This is not intended to prevent asserting Force Majeure as the cause of any period of instrument downtime. "Force Majeure" is defined as any event beyond the control of the permit holder, of any entity controlled by the permit holder, or of the permit holder's contractors, which delays or prevents the performance of any obligation herein, despite the permit holder's best efforts to fulfill the obligation. The requirement that the permit holder exercises "best efforts to fulfill the obligation" includes using best efforts to anticipate any potential Force Majeure and best efforts to address the effects of any potential Force Majeure: (a) as it is occurring and (b) following the potential Force Majeure, such that the delay and any adverse effects of the delay are minimized. "Force Majeure" does not include the permit holder's financial inability to perform any obligation herein. **(09/19)**

106. For each Covered Flare, calculate and record each of the following parameters:

- A. Volumetric flow rates of all gas streams that contribute to the Vent Gas volumetric flow rate (in scfm), measured continuously and recorded in 15-minute block averages, and in accordance with any calculation requirements of Special Conditions 78, 79, and 80 and Appendix 1.2 Step 2 of Attachment E.
- B. Assist Steam volumetric flow rate (in scfm), measured continuously and recorded in 15-minute block averages in accordance with calculation requirements for Appendix 1.2 Step 2 of Attachment E.
- C. Assist Air volumetric flow rate (in scfm), measured continuously and recorded in 15-minute block averages in accordance with calculation requirements for Appendix 1.2 Step 2 of Attachment E.
- D.  $NHV_{vg}$  (in BTU/scf) in 15-minute block averages in accordance with calculation requirements of Appendix 1.2 Step 1 of Attachment E.
- E.  $NHV_{cz}$  (in BTU/scf) in 15-minute block averages in accordance with calculation requirements of Appendix 1.2 Step 3 of Attachment E.

The permit holder shall record the duration of all periods of Instrument Downtime for each Covered Flare that exceeds 5% of the time in a calendar quarter that the Covered Flare is In Operation. The permit holder shall record which instrument(s) experienced the downtime, which Covered Flare was affected by the downtime, an explanation of the cause(s) of the deviation, and a description of the corrective action(s) taken.

Special Conditions

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 47

The permit holder shall record the dates and times of any periods that the permit holder deviates from the FGRS Compressor availability standards of these incorporated Consent Decree requirements. For any deviation from the FGRS Compressor availability requirements, Standards for Net Heating Values, 98% Combustion Efficiency Standard requirements, or the Instrument Downtime Standard requirements at the Covered Flare, the permit holder shall record the duration of the deviation, an explanation of the cause(s) of the deviation, and a description of the corrective action(s) taken. **(09/19)**

107. The permit holder shall complete a project, in accordance with the requirements and schedule in Appendix 1.5 Fenceline Monitoring Requirements in Attachment E, to install and operate a set of ambient air monitors that will sample for benzene along the fenceline perimeter of the Plant. **(09/19)**

Date: September 18, 2020

## Attachment A

Permit Numbers 83702, PSDTX843M1, PSDTX860M1, GHGPSDTX176, and PAL15

### Inherently Low Emitting Activities

Activity	Emissions					
	VOC	NO <sub>x</sub>	CO	PM <sub>10</sub>	H <sub>2</sub> S/SO <sub>2</sub> /H <sub>2</sub> SO <sub>4</sub>	NH <sub>3</sub>
Maintaining of Catalyst/Sorbent (includes but not limited to activation, deactivation, charging, handling, etc.)	X	X	X	X	X	X
Management of sludge from pits, ponds, sumps, and water conveyances	X			X	X	X
Aerosol Cans and other consumables	X		X	X		
Maintaining of analytical equipment (includes but not limited to inspections, repair, replacement, testing, calibration, etc.)	X	X	X		X	X
Maintaining of carbon canisters (includes but not limited to inspections, repair, replacement, etc.)	X		X		X	
Maintaining of instrumentation/analyzers (includes but not limited to inspections, repair, replacement, testing, calibration, etc.)	X	X	X		X	X
Meter proving	X	X	X		X	X
Maintaining of filters and screens (included but not limited to inspections, repair, replacement, cleaning, etc.)	X		X	X	X	X
Maintaining of water treatment systems [cooling, boiler, potable, wastewater, etc.] (Included but not limited to inspections, repair, replacement, cleaning, etc.)	X			X	X	
Soap and other liquid based cleaners	X					
Maintaining of monitoring/measuring equipment [e.g., sight glasses, rotameters etc.] (Includes but not limited to inspections, repair, replacement, calibration, testing, etc.)	X	X	X	X	X	
Maintaining of ancillary equipment [e.g, coupling alignment, etc.] (Includes but not limited to inspections, repair, replacement, calibration, testing, etc.)	X			X		
Cleaning (including strainers, lube/seal oil systems)	X		X	X	X	X
Welding	X	X	X	X		

Attachment A

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 2

Activity	Emissions					
	VOC	NO <sub>x</sub>	CO	PM <sub>10</sub>	H <sub>2</sub> S/SO <sub>2</sub> /H <sub>2</sub> SO <sub>4</sub>	NH <sub>3</sub>
Leak and operability checks	X	X	X	X	X	X
Sampling	X	X	X	X	X	X
Painting through the use of manual application or tube dispensing equipment	X					
Combinations of the above	X	X	X	X	X	X

Date: February 3, 2014

## **Attachment B**

Permit Numbers 83702, PSDTX843M1, PSDTX860M1, GHGPSDTX176, and PAL15

### **ROUTINE MAINTENANCE ACTIVITIES**

- Pump repair/replacement/cleaning/inspection
- Fugitive component (valve, pipe, flange) repair/replacement/cleaning/inspection
- Compressor repair/replacement/cleaning/inspection
- Heat exchanger repair/replacement/cleaning/inspection
- Vessel repair/replacement /cleaning/inspection
- Furnace repair/replacement /cleaning/inspection
- Boiler repair/replacement /cleaning/inspection
- Pump, compressor, vessel, exchanger, furnace, boiler inspection

repair/replacement/cleaning/inspections not included in Attachment A

Date: February 3, 2014

### Attachment C

Permit Numbers 83702, PSDTX843M1, PSDTX860M1, GHGPSDTX176, and PAL15

#### MSS Activity Summary

Facilities	Description	Emissions Activity	EPN	FIN
All process units/equipment	Process unit/equipment shutdown/depressurize/drain	Vent to control device	All Control Devices (1)	All Control Devices (1)
All process units/equipment	Process unit/equipment purge/degas/drain	Vent to atmosphere	99MSS_001	99MSS#001 99MSS#002
All process units/equipment	Process unit/equipment startup	Vent to control device	All Control Devices (1)	All Control Devices (1)
All process units, tanks, and equipment	Preparation for facility/component MSS	Vent to control device	All Control Devices (1)	All Control Devices1
All process units, tanks, and equipment	Preparation for facility/component MSS	Vent to atmosphere	99MSS_001	99MSS#001
			99MSS_001	99MSS#002
			99MSS_001	99MSS#003
			99MSS_001	99MSS#004
			99MSS_001	99MSS#005
			99MSS_001	99MSS#006
All process units, tanks, and equipment	Preparation for facility/component MSS	Vent to control device	All Control Devices (1)	All Control Devices (1)
All process units, tanks, and equipment	Preparation for unit turnaround or facility/component MSS	Remove liquid	99MSS_001	99MSS#001
			All Control Devices (1)	All Control Devices (1)
			99MSS_001	99MSS#002
			99MSS_001	99MSS#003
			99MSS_001	99MSS#004
			99MSS_001	99MSS#005
			99MSS_001	99MSS#006
			99MSS_001	99MSS#007
			99MSS_001	99MSS#008
			99MSS_001	99MSS#009
			99MSS_001	99MSS#010
			99MSS_001	99MSS#014

## Attachment C

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 2

Facilities	Description	Emissions Activity	EPN	FIN
All floating roof tanks	Tank roof landing	Operation with landed roof	99MSS_001	99MSS#003
			99MSS_001	99MSS#004
			99MSS_001	99MSS#005
All floating roof tanks	Degas of tank with landed roof	Controlled degassing	All Control Devices (1)	All Control Devices (1)
			99MSS_001	99MSS#005
All tanks	Tank cleaning	Cleaning activity and solvents	99MSS_001	99MSS#002
Heaters	Shutdown/Start-up	Vent to atmosphere	See Calcs for EPN	See Calcs for FIN
All production-related equipment	Painting	Vent to atmosphere	99MSS_001	99MSS#008
See Attachment A	Miscellaneous low emitting activities	See Attachment A	99MSS_001	99MSS#004 99MSS#011
Combinations of the above	All of the above	All of the above	All of the above	All of the above

1. Control Devices include 11FLR\_613, 02ABT\_325, 02TOX\_6240, 02ERS\_6389, 11FLR\_041, 11FLR\_042, 11FRL\_043, 11FLR\_9601, 08LFW\_9602, 11TOX\_9603, 11TOX\_9604, 99MSS\_001 (FIN 99MSS#003).

Date: February 3, 2014

### Attachment D

Permit Numbers 83702, PSDTX843M1, PSDTX860M1, GHGPSDTX176, and PAL15

This permit authorizes emissions from the following Emissions Sources and planned MSS activities at permanent site facilities: frac tanks, containers, vacuum trucks, portable control devices identified in Special Condition No. 70, and controlled recovery systems. Emission from temporary facilities are authorized provided the temporary facility (a) does not remain on the plant site for more than 12 consecutive months, (b) is used solely to support planned MSS activities at the permanent site facilities listed in this Attachment, and (c) does not operate as a replacement for an existing authorized facility. This permit authorizes MSS emissions from the permanent site facilities identified below.

FIN	Name	MSS Source	PAL SOURCE					EMISSION CAPS					
			SO <sub>2</sub>	VOC	PM <sub>10</sub>	PM <sub>2.5</sub>	H <sub>2</sub> S	NO <sub>x</sub>	CO	SO <sub>2</sub>	VOC	PM <sub>10</sub> /PM <sub>2.5</sub>	H <sub>2</sub> S
01CAS#3536	Carbon Adsorption System	X	-	X	-	-	-	-	-	-	-	-	-
01CAS#037	Carbon Adsorption System	X	-	X	-	-	-	-	-	-	-	-	-
01CAS#038	Carbon Adsorption System	X	-	X	-	-	-	-	-	-	-	-	-
01CTL#002	Cooling Tower No. 2	X	-	X	X	X	-	-	-	-	-	-	-
01DEG#001	Aromatics Degreaser No. 1	X	-	X	-	-	-	-	-	-	-	-	-
01DEG#002	Aromatics Degreaser No. 2	X	-	X	-	-	-	-	-	-	-	-	-
01DEG#003	Aromatics Degreaser No. 3	X	-	X	-	-	-	-	-	-	-	-	-
01DEG#005	Aromatics Degreaser No. 5	X	-	X	-	-	-	-	-	-	-	-	-
01FUG#001	Process Fugitives	X	-	X	-	-	-	-	-	-	-	-	-
01HTR#301	Heater B-301	X	X	X	X	X	X	-	-	-	-	-	-
01VNT#01N	Analyzer Vent	X	-	X	-	-	-	-	-	-	-	-	-
01VNT#01S	Analyzer Vent	X	-	X	-	-	-	-	-	-	-	-	-
01VNT#104	Hydrotreater Converter Regenerator Vent	X	X	X	X	X	X	-	-	-	-	-	-



## Attachment D

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 2

FIN	Name	MSS Source	PAL SOURCE					EMISSION CAPS					
			SO <sub>2</sub>	VOC	PM <sub>10</sub>	PM <sub>2.5</sub>	H <sub>2</sub> S	NO <sub>x</sub>	CO	SO <sub>2</sub>	VOC	PM <sub>10</sub> /PM <sub>2.5</sub>	H <sub>2</sub> S
02ABT#325	Abator A-325	X	X	X	X	X	X	-	-	-	-	-	-
02BAG#517	A-517-1 Baghouse	X	-	-	X	X	-	-	-	-	-	-	-
02FIL#211	T-546-2T-580-Baghouse	X	-	-	X	X	-	-	-	-	-	-	-
02BAG#563	A-563/A-564 Baghouse	X	-	-	X	X	-	-	-	-	-	-	-
02BAG#573	Baghouse A-573	X	-	-	X	X	-	-	-	-	-	-	-
02BAG#574	Baghouse A-574	X	-	-	X	X	-	-	-	-	-	-	-
02BAG#590	F-590 Belt Filter	X	-	X	-	-	-	-	-	-	-	-	-
02BAG#6302	M-6302 Bag Filter	X	-	-	X	X	-	-	-	-	-	-	-
02BAG#6306	M-6306 Bag Filter	X	-	-	X	X	-	-	-	-	-	-	-
02DTC#313	Dust Collector F-313	X	-	-	X	X	-	-	-	-	-	-	-
02DTC#6260	Dust Collector M-6260	X	-	-	X	X	-	-	-	-	-	-	-
02DTC#6402	F-6402 Dust Collector	X	-	-	X	X	-	-	-	-	-	-	-
02ERS#6389	ERS B-6389	X	X	X	X	X	X	-	-	-	-	-	-
02FUG#001	Catalyst Process Fugitive Area	X	-	X	X	X	-	-	-	-	-	-	-
02FUG#003	Offsites Fugitives	X	-	X	-	-	-	-	-	-	-	-	-
02HTR#302	Heater H-302	X	X	X	X	X	X	-	-	-	-	-	-
02HTR#500	H-500 Heater	X	X	X	X	X	X	-	-	-	-	-	-
02HTR#501	H-501 Heater	X	X	X	X	X	X	-	-	-	-	-	-
02HTR#622	Superheater B-6223	X	X	X	X	X	X	-	-	-	-	-	-
02HTR#632	Superheater B-6369	X	X	X	X	X	X	-	-	-	-	-	-
02HTR#635	Superheater B-6359	X	X	X	X	X	X	-	-	-	-	-	-













## Attachment D

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 9

FIN	Name	MSS Source	PAL SOURCE					EMISSION CAPS					
			SO <sub>2</sub>	VOC	PM <sub>10</sub>	PM <sub>2.5</sub>	H <sub>2</sub> S	NO <sub>x</sub>	CO	SO <sub>2</sub>	VOC	PM <sub>10</sub> /PM <sub>2.5</sub>	H <sub>2</sub> S
07TFX#605	Tank F-605	X	-	X	-	-	-	-	-	-	B1	-	-
07TFX#607	Tank F-607	X	-	X	-	-	-	-	-	-	B1	-	-
07TFX#615	Tank T-615	X	-	X	-	-	-	-	-	-	B1	-	-
07TFX#616	Tank T-616	X	-	X	-	-	-	-	-	-	B1	-	-
07TFX#625	Filter Re-Coat Tank V-625	X	-	X	-	-	-	-	-	-	B1	-	-
07TFX#7120	Tank F-7120	X	-	X	-	-	-	-	-	-	B1	-	-
07TFX#7599	Tank T-7599	X	-	X	-	-	-	-	-	-	B1	-	-
07TFX#7600	Tank F-7600	X	-	X	-	-	-	-	-	-	B1	-	-
07TIF#7800	Tank F-7800	X	-	X	-	-	-	-	-	-	B1	-	-
07TFX#7801	Tank F-7801	X	-	X	-	-	-	-	-	-	B1	-	-
07TFX#8061	Tank F-8061	X	-	X	-	-	-	-	-	-	B1	-	-
07TIF#7502	Tank F-7502	X	-	X	-	-	-	-	-	-	B1	-	-
07TOT#103	Lime Treat V-103 Slurry Vessel	X	-	X	-	-	-	-	-	-	B1	-	-
07TOT#148	Filter Pre Coat Tank T-148	X	-	X	-	-	-	-	-	-	B1	-	-
07TOT#149	Filter Pre Coat Tank T-149	X	-	X	-	-	-	-	-	-	B1	-	-
07TOT#151	Filter Pre Coat Tank T-146	X	-	X	-	-	-	-	-	-	B1	-	-
07TOT#232	Vessel V-232 Filteraid	X	-	X	-	-	-	-	-	-	B1	-	-
07TOT#7570	Filter Pre-Coat Tank T-7570	X	-	X	-	-	-	-	-	-	B1	-	-
07TPR#7701	Dowtherm heater Pressurized Storage Tank	X	-	X	-	-	-	-	-	-	B1	-	-
07WWS#001	Wastewater System	X	-	X	-	-	-	-	-	-	-	-	-
08BLR#9201	Reboiler B-9201	X	X	X	X	X	X	-	-	-	-	-	-
08BLR#9400	Reboiler B-9400	X	X	X	X	X	X	-	-	-	-	-	-



## Attachment D

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 10

FIN	Name	MSS Source	PAL SOURCE					EMISSION CAPS					
			SO <sub>2</sub>	VOC	PM <sub>10</sub>	PM <sub>2.5</sub>	H <sub>2</sub> S	NO <sub>x</sub>	CO	SO <sub>2</sub>	VOC	PM <sub>10</sub> /PM <sub>2.5</sub>	H <sub>2</sub> S
08BLR#9401	Reboiler B-9401	X	X	X	X	X	X	-	-	-	-	-	-
08BLR#9402	Reboiler B-9402	X	X	X	X	X	X	-	-	-	-	-	-
08CTL#9601	Cooling Tower M-9601	X	-	X	X	X	-	-	-	-	-	-	-
08FUG#001	Process Fugitives	X	-	X	-	-	-	-	-	-	-	-	-
08HTR#9301	Heater B-9301	X	X	X	X	X	X	-	-	-	-	-	-
08LWF#9602	Wharf Loading VCS	X	X	X	-	-	X	-	-	-	-	-	-
09CAS#031	USC I Carbon Canisters	X	-	X	-	-	-	-	-	-	-	-	-
09CTL#003	Cooling Tower No. 3	X	-	X	X	X	-	-	-	-	-	-	-
09FRN#210A	B-2101 A Furnace	X	X	X	X	X	X	-	-	-	-	-	-
09FRN#210B	B-2101B Furnace	X	X	X	X	X	X	-	-	-	-	-	-
09FRN#210C	B-2101C Furnace	X	X	X	X	X	X	-	-	-	-	-	-
09FRN#210D	B-2101D Furnace	X	X	X	X	X	X	-	-	-	-	-	-
09FRN#210E	B-2101E Furnace	X	X	X	X	X	X	-	-	-	-	-	-
09FRN#210F	B-2101F Furnace	X	X	X	X	X	X	-	-	-	-	-	-
09FUG#001	USC I Fugitives	X	-	X	-	-	-	-	-	-	-	-	-
09TFX#072A	USC-1 Antifoulant Tank	X	-	X	-	-	-	-	-	-	-	-	-
09VNT#027	Decoking Vent B-2101 A, B	X	X	-	X	X	X	-	-	-	-	-	-
09VNT#030	Decoking Vent B-2101 D,E,F	X	X	-	X	X	X	-	-	-	-	-	-
10VNT#6301	Decoking Vent B-6301 A, B	X	X	-	X	X	X	-	-	-	-	-	-

## Attachment D

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 11

FIN	Name	MSS Source	PAL SOURCE					EMISSION CAPS					
			SO <sub>2</sub>	VOC	PM <sub>10</sub>	PM <sub>2.5</sub>	H <sub>2</sub> S	NO <sub>x</sub>	CO	SO <sub>2</sub>	VOC	PM <sub>10</sub> /PM <sub>2.5</sub>	H <sub>2</sub> S
10BLR#6901	B-6901 A, B 1,500 psia Boilers	X	X	X	X	X	X	-	-	-	-	-	-
10CAS#032	USC II Carbon Canisters	X	-	X	-	-	-	-	-	-	-	-	-
10CTL#004	Cooling Tower No. 4	X	-	X	X	X	-	-	-	-	-	-	-
10FRN#610A	B-6101A Furnace	X	X	X	X	X	X	-	-	-	-	-	-
10FRN#610B	B-6101B Furnace	X	X	X	X	X	X	-	-	-	-	-	-
10FRN#610C	B-6101C Furnace	X	X	X	X	X	X	-	-	-	-	-	-
10FRN#610D	B-6101D Furnace	X	X	X	X	X	X	-	-	-	-	-	-
10FRN#615A	B-6151A Furnace	X	X	X	X	X	X	-	-	-	-	-	-
10FRN#615B	B-6151B Furnace	X	X	X	X	X	X	-	-	-	-	-	-
10FRN#630A	B-6301A Furnace	X	X	X	X	X	X	-	-	-	-	-	-
10FRN#630B	B-6301B Furnace	X	X	X	X	X	X	-	-	-	-	-	-
10FUG#001	USC II Fugitives	X	-	X	-	-	-	-	-	-	-	-	-
10VNT#023	Decoking Vent B-6101 A, B	X	X	-	X	X	X	-	-	-	-	-	-
10VNT#024	Decoking Vent B-6101 C, D	X	X	-	X	X	X	-	-	-	-	-	-
10VNT#025	Decoking Vent B-6151 A, B	X	X	-	X	X	X	-	-	-	-	-	-
11CAS#043	Movements Carbon Canisters	X	-	X	-	-	-	-	-	-	-	-	-
11ENG#039	Emergency Fire Water Pump (26 hours per year)	X	X	X	X	X	X	-	-	-	-	-	-



FIN	Name	MSS Source	PAL SOURCE					EMISSION CAPS					
			SO <sub>2</sub>	VOC	PM <sub>10</sub>	PM <sub>2.5</sub>	H <sub>2</sub> S	NO <sub>x</sub>	CO	SO <sub>2</sub>	VOC	PM <sub>10</sub> /PM <sub>2.5</sub>	H <sub>2</sub> S
11TFX#004	Sulfuric Acid Storage Tank	X	-	-	-	-	-	-	-	-	-	-	-
11TFX#079	Sulfuric Acid Storage Tank	X	-	-	-	-	-	-	-	-	-	-	-
11TFX#088	Diesel Storage Tank	X	-	X	-	-	-	-	-	-	-	-	-
11TFX#089	Diesel Storage Tank	X	-	X	-	-	-	-	-	-	-	-	-
11TFX#104	Diesel Tank	X	-	X	-	-	-	-	-	-	-	-	-
11TFX#105	Gasoline Tank	X	-	X	-	-	-	-	-	-	-	-	-
11TFX#106	Diesel Tank	X	-	X	-	-	-	-	-	-	-	-	-
11TFX#1201	Diesel Storage Tank	X	-	X	-	-	-	-	-	-	-	-	-
11TFX#9621	Diesel Storage Tank	X	-	X	-	-	-	-	-	-	-	-	-
11TOX#9603	Wharf Tank Farm Thermal Oxidizer	X	X	X	-	-	X	-	-	-	-	-	-
11TOX#9604	Refinery Tank Farm Thermal Oxidizer	X	X	X	-	-	X	-	-	-	-	-	-
99MSS#001, 99MSS#002, 99MSS#003, 99MSS#004, 99MSS#005, 99MSS#006, 99MSS#007, 99MSS#008, 99MSS#009, 99MSS#010, 99MSS#011, 99MSS#012, 99MSS#013, 99MSS#014	Facility-Wide Atmospheric MSS	X	X	X	X	X	X	B4	B4	B4	B4	B4	B4

B1 - Source included in Catalyst, Gear Oil, and Synthetics Tanks (CGOST) cap (VOC).

B2 - Reserved

Attachment D

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 14

B3 - Source included in Aromatics and Olefins MSS Flaring (AOMSSFL) cap (VOC, SO<sub>2</sub>, H<sub>2</sub>S, NO<sub>x</sub> and CO)

B4 - Source included in MSS Atmospheric Emissions (MSSAE) cap (VOC, SO<sub>2</sub>, H<sub>2</sub>S, NO<sub>x</sub>, CO, PM<sub>10</sub> and PM<sub>2.5</sub>)

Date: December 18, 2020

## **Attachment E**

Permit Numbers 83702, PSDTX843M1, PSDTX860M1, GHGPSDTX176, and PAL15

### **Appendix 1.1**

#### **Incorporated Consent Decree Definitions**

The Definitions in Appendix 1.1 of Attachment E are only applicable to Special Conditions 75 through 107 of this Permit.

“Assist Air” means all air that is intentionally introduced before or at a Flare tip through nozzles or other hardware conveyance for the purposes of, including, but not limited to, protecting the design of the Flare tip, promoting turbulence for mixing, or inducing air into the flame. Assist Air includes premix assist air and Perimeter Assist Air. Assist Air does not include surrounding ambient air. Flares that use Assist Air are referred to as “Air-Assisted Flares.”

“Assist Steam” means all steam that is intentionally introduced before or at a Flare tip through nozzles or other hardware conveyance for the purposes of, including, but not limited to, protecting the design of the Flare tip, promoting turbulence for mixing, or inducing air into the flame. Assist Steam includes, but is not necessarily limited to, Center Steam, lower steam, and upper steam.

“Available for Operation” means, with respect to a Compressor within a FGRS, that the Compressor is capable of commencing the recovery of Potentially Recoverable Gas as soon as practicable but not more than one hour after the Need for a Compressor to Operate arises. The period of time, not to exceed one hour, allowed by this definition for the startup of a Compressor will be included in the amount of time that a Compressor is Available for Operation.

“Capable of Receiving Sweep, Supplemental, and/or Waste Gas” means, for a Flare, that the flow of Sweep Gas, Supplemental Gas, and/or Waste Gas is not prevented from being directed to the Flare by means of an isolation device such as closed valves, blinds, or stopples.

“Combustion Efficiency” or “CE” means a Flare’s efficiency in converting the organic carbon compounds found in Combustion Zone Gas to carbon dioxide. Combustion Efficiency must be determined in accordance with Appendix 1.2 of Attachment E.

“Combustion Zone” means the area of the Flare flame where the Combustion Zone Gas combines for combustion.

“Combustion Zone Gas” means all gases and vapors found after the Flare tip. This gas includes all Vent Gas, Pilot Gas, Total Steam, and Assist Air.

“Compressor” means, with respect to a FGRS, a mechanical device designed and installed to recover gas from a flare header. Types of FGRS compressors include reciprocating compressors, centrifugal compressors, liquid ring compressors, screw compressors, and liquid jet ejectors.

“Covered Flare” or “Covered Flares” means each of the identified flares, as well as any Newly Installed Covered Flare or Portable Flare in use at a Covered Facility:

“Duplicate Spare Compressor” means, with respect to a Flare Gas Recovery System, an installed compressor, designed to be identical or functionally equivalent to the other compressor(s) of the FGRS. In order to qualify as a “Duplicate Spare Compressor,” the compressor must be functionally interchangeable with the other FGRS compressor(s) such that the Nominal Design Capacity of the FGRS is Available for Operation while any one compressor of the FGRS is out of service.

“External Utility Loss” means a loss in the supply of electrical power or other third-party utility to a Covered Facility that is caused by actions occurring outside the boundaries of a Covered Facility, excluding utility losses due to an interruptible utility service agreement.

“Flare” means a combustion device lacking an enclosed combustion chamber that uses an uncontrolled volume of ambient air to burn gases.

“Flare Gas Recovery System” or “FGRS” means a system of one or more Compressors, piping, and associated water seal, rupture disk, or other equipment used to divert gas from a Flare and direct the gas to a fuel gas system, to a combustion device other than the Flare, or to a product, co-product, by-product, or raw material recovery system.

“Flare Tip Velocity” or “Vtip” means the velocity of gases exiting the Flare tip as defined in Special Condition 100.

“In Operation,” with respect to a Flare, means all times that Sweep, Supplemental, or Waste Gas is or may be vented to a Flare. A Flare that is In Operation is Capable of Receiving Sweep, Supplemental, or Waste Gas unless all Sweep, Supplemental, and Waste Gas flow is prevented by means of an isolation device such as closed valves, blinds, and/or stopples

“Lower Heating Value” or “LHV” means the theoretical total quantity of heat liberated by the complete combustion of a unit volume or weight of a fuel initially at 25 degrees Centigrade and 760 mmHg, assuming that the produced water is vaporized and all combustion products remain at, or are returned to, 25 degrees Centigrade; however, the standard for determining the volume corresponding to one mole is 20 degrees Centigrade

“Malfunction” means, as specified in 40 C.F.R. § 60.2, any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not Malfunctions.

“Monitoring System Malfunction” means any sudden, infrequent, and not reasonably preventable failure of instrumentation or a monitoring system to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not Monitoring System Malfunctions.

“Net Heating Value” means Lower Heating Value.

“Net Heating Value of Combustion Zone Gas” or “NHV<sub>cz</sub>” means the Lower Heating Value, in BTU/scf, of the Combustion Zone Gas in a Flare. NHV<sub>cz</sub> must be calculated in accordance with Step 3 of Appendix 1.2 of Attachment E.

“Net Heating Value of Vent Gas” or “NHV<sub>vg</sub>” means the Lower Heating Value, in BTU/scf, of the Vent Gas directed to a Flare. NHV<sub>vg</sub> must be calculated in accordance with Step 1 of Appendix 1.2 of Attachment E.

“Newly Installed Covered Flare(s)” means any Flare that is permanently installed, receives Waste Gas that has been redirected to it from an existing Covered Flare (existing as of June 6, 2018), and commences operation at a Covered Facility after June 6, 2018.

“Perimeter Assist Air” means the portion of Assist Air introduced at the perimeter of the Flare tip or above the Flare tip. Perimeter Assist Air includes air intentionally entrained in lower and upper steam. Perimeter Assist Air includes all Assist Air except pre-mix assist air.

“Pilot Gas” means gas introduced into a Flare tip that provides a flame to ignite the Vent Gas.

“Portable Flare” means a Flare that is not permanently installed and that receives Waste Gas that has been redirected to it from a Covered Flare during an outage.

“Potentially Recoverable Gas” means the Sweep Gas, Supplemental Gas, and/or Waste Gas (including hydrogen, nitrogen, oxygen, carbon dioxide, carbon monoxide, and/or water) directed to a Covered Flare’s or group of Covered Flares’ FGRS, except that Regeneration Waste Gas Streams are not included in the definition of “Potentially Recoverable Gas.”

“Purge Gas” means the gas introduced between a Flare header’s water seal and the Flare tip to prevent oxygen infiltration (backflow) into the Flare tip. For a Flare with no water seal, the function of Purge Gas is performed by Sweep Gas, and therefore, by definition, such a Flare has no Purge Gas.

“Regeneration Waste Gas Streams” means Waste Gas streams produced during the regeneration of the dryers, reactors, and other vessels. Regeneration Waste Gas Streams are high in nitrogen (typically approximately 90%) and have very low heating value (typically approximately 100 btu/scf), thus they are not a useful fuel.

“Standard Conditions” means a temperature of 68 degrees Fahrenheit and a pressure of 1 atmosphere.

“Steam-Assisted Flare” means a Flare that uses steam piped to a Flare tip to assist in combustion

“Supplemental Gas” means all gas introduced to a Flare in order to improve the combustible characteristics of the Combustion Zone Gas

“Sweep Gas” means:

(1) For a Flare with an FGRS: Gas intentionally introduced into a Flare header system to prevent oxygen buildup in the Flare header. Sweep Gas in these Flares is introduced prior to and recovered by the FGRS; and

(2) For a Flare without an FGRS: Gas intentionally introduced into a Flare header system to maintain a constant flow of gas through the flare header and out the Flare tip in order to prevent oxygen building in the Flare header and to prevent infiltration (backflow) into the Flare tip.

“Total Steam” means the total of all steam that is supplied to a Flare and includes, but is not limited to, lower steam, center steam, and upper steam.

“Unobstructed Cross Sectional Area of the Flare Tip” or “Atip-unob” means the open, unobstructed area of a Flare tip through which Vent Gas and Center Steam pass. Diagrams of four common



Flare types are set forth in Appendix 1.3 of Attachment E together with the equations for calculating the *Atip-unob* of these four types.

“Vent Gas” means all gas found just before the Flare tip. This gas includes all Waste Gas, that portion of Sweep Gas that is not recovered, Purge Gas, and Supplemental Gas, but does not include Pilot Gas, Total Steam, or Assist Air.

“Visible Emissions” means five minutes or more of Smoke Emissions during any two consecutive hours.

“Waste Gas” means the mixture of all gases from facility operations that is directed to a Flare for the purpose of disposing of the gas. “Waste Gas” does not include gas introduced to a Flare exclusively to make it operate safely and as intended; therefore, “Waste Gas” does not include Pilot Gas, Total Steam, Assist Air, or the minimum amount of Sweep Gas and Purge Gas that is necessary to perform the functions of Sweep Gas and Purge Gas. “Waste Gas” also does not include the minimum amount of gas introduced to a Flare to comply with regulatory or enforceable permit requirements regarding the combustible characteristics of Combustion Zone Gas; therefore, “Waste Gas” does not include Supplemental Gas. Depending upon the instrumentation that monitors Waste Gas, certain compounds (hydrogen, nitrogen, oxygen, carbon dioxide, carbon monoxide, and/or water (steam)) that are directed to a Flare for the purpose of disposing of these compounds may be excluded from calculations relating to Waste Gas flow.

## Appendix 1.2

### Calculating CE, $NHV_{cz}$ , $NHV_{dil}$ , and ( $V_{tip}$ )

All abbreviations, constants, and variables are defined in the Key at the end of this Appendix. Appendix 1.2 of Attachment E is only applicable to Special Conditions 75 through 107 of this Permit.

Combustion Efficiency Equation:

$$CE = [CO_2]/([CO_2] + [CO] + [OC])$$

where:

$[CO_2]$  = Concentration in volume percent or ppm-meters of carbon dioxide in the combusted gas immediately above the Combustion Zone

$[CO]$  = Concentration in volume percent or ppm-meters of carbon monoxide in the combusted gas immediately above the Combustion Zone

$[OC]$  = Concentration in volume percent or ppm-meters of the sum of all organic carbon compounds in the combusted gas immediately above the Combustion Zone, counting each carbon molecule separately where the concentration of each individual compound is multiplied by the number of carbon atoms it contains before summing (e.g., 0.1 volume percent ethane shall count as 0.2 percent OC because ethane has two carbon atoms)

For purposes of using the CE equation, the unit of measurement for  $CO_2$ , CO, and OC must be the same; that is, if "volume percent" is used for one compound, it must be used for all compounds. "Volume percent" cannot be used for one or more compounds and "ppm-meters" for the remainder.

#### Step 1: Determine the Net Heating Value of the Vent Gas ( $NHV_{vg}$ )

The permit holder shall determine the Net Heating Value of the Vent Gas ( $NHV_{vg}$ ) based on composition monitoring data on a 15-minute block average basis according to the following requirements. If the permit holder monitors separate gas streams that combine to comprise the total Vent Gas flow to a Covered Flare, the 15-minute block average Net Heating Value shall be determined separately for each measurement location according to the following requirements and a flow-weighted average of the gas stream Net Heating Values shall be used to determine the 15-minute block average Net Heating Value of the cumulative Vent Gas. The  $NHV_{vg}$  15-minute block averages shall be calculated for set 15-minute time periods starting at 12 midnight to 12:15 AM, 12:15 AM to 12:30 AM and so on, concluding at 11:45 PM to midnight.

#### Step 1a: Equation or Output to be Used to Determine $NHV_{vg}$ at a Measurement Location

For any gas stream for which the permit holder complies by collecting compositional analysis data: Equation 1 shall be used to determine the  $NHV_{vg}$  of a specific sample by summing the Net Heating Value

for each individual component by individual component volume fractions. Individual component Net Heating Values are listed in Table 1 of this Appendix.

$$NHV_{vg} = \sum_{i=1}^n (x_i \cdot NHV_i)$$

Equation 1

**For any gas stream for which the permit holder complies by collecting direct Net Heating Value monitoring data but for which a Hydrogen Concentration Monitor is not used:** Use the direct output (measured value) of the monitoring system(s) (in BTU/scf) to determine the  $NHV_{vg}$  for the sample.

**For any gas stream for which the permit holder complies by collecting direct Net Heating Value monitoring data and for which a Hydrogen Concentration Monitor is also used:** Equation 2 shall be used to determine the  $NHV_{vg}$  for each sample measured via the Net Heating Value monitoring system. Where hydrogen concentration data is collected, Equation 2 performs a net correction for the measured heating value of hydrogen since the theoretical Net Heating Value for hydrogen is 274 Btu/scf, but for the purposes of this appendix calculation methodology, a Net Heating Value of 1,212 Btu/scf may be used ( $1,212 - 274 = 938$  BTU/scf).

$$NHV_{vg} = NHV_{measured} + 938x_{H2}$$

Equation 2

#### Step 1b: Calculation Method to be Used in Applying Equation/Output to Determine $NHV_{vg}$

For any Covered Flare for which the permit holder complies by using a continuous monitoring system: The permit holder may elect to determine the 15-minute block average  $NHV_{vg}$  using either the Feed-Forward Calculation Method or the Direct Calculation Method (both described below). The permit holder need not elect to use the same methodology at all Covered Flares with a continuous monitoring system; however, for each such Covered Flare, the permit holder must elect one calculation method that will apply at all times, and use that method for all continuously monitored flare vent streams associated with that Covered Flare. If the permit holder intends to change the calculation method that applies to a Covered Flare, the permit holder must notify the EPA 30 days in advance of such a change.

Feed-Forward Calculation Method. When calculating  $NHV_{vg}$  for a specific 15-minute block:

1. Use the results from the first sample collected during an event (for periodic Vent Gas flow events) for the first 15-minute block associated with that event.
2. If the results from the first sample collected during an event (for periodic Vent Gas flow events) are not available until after the second 15-minute block starts, use the results from the first sample collected during an event for the second 15-minute block associated with that event.
3. For all other cases, use the results that are available from the most recent sample prior to the 15-minute block period for that 15-minute block period for all Vent Gas streams.

For the purpose of this requirement, use the time that the results become available rather than the time the sample was collected. For example, if a sample is collected at 12:25 AM and the analysis is completed at 12:38 AM, the results are available at 12:38 AM and these results would be used to determine compliance during the 15-minute block period from 12:45 AM to 1:00 AM.

**Direct Calculation Method.** When calculating  $NHV_{vg}$  for a specific 15-minute block:

1. If the results from the first sample collected during an event (for periodic Vent Gas flow events) are not available until after the second 15-minute block starts, use the results from the first sample collected during an event for the first 15-minute block associated with that event.
2. For all other cases, use the arithmetic average of all  $NHV_{vg}$  measurement data results that become available during a 15-minute block to calculate the 15-minute block average for that period. For the purpose of this requirement, use the time that the results become available rather than the time the sample was collected. For example, if a sample is collected at 12:25 AM and the analysis is completed at 12:38 AM, the results are available at 12:38 AM and these results would be used to determine compliance during the 15-minute block period from 12:30 AM to 12:45 AM.

## Step 2: Determine Volumetric Flow Rates of Gas Streams

The permit holder shall determine the volumetric flow rate in standard cubic feet (scf) of Vent Gas, along with the volumetric flow rates (in scf) of any Supplemental Gas, Assist Steam, and Assist Air, over a 15-minute block average basis. The 15-minute block average volumetric flow rates shall be calculated for set 15-minute time periods starting at 12 midnight to 12:15 AM, 12:15 AM to 12:30 AM and so on, concluding at 11:45 PM to midnight.

For any gas streams for which the permit holder complies by using a monitoring system that directly records volumetric flow rate: Use the direct output (measured value) of the monitoring system(s) (in scf), as corrected for the temperature and pressure of the system to standard conditions (i.e., a temperature of 20 °C (68 °F) and a pressure of 1 atmosphere) to then calculate the average volumetric flow rate of that gas stream for the 15-minute block period.

For Vent Gas, Assist Steam, or Assist Air gas streams for which the permit holder complies by using a mass flow monitor to determine volumetric flow rate: Equation 3 shall be used to determine the volumetric flow rate of Vent Gas, Assist Air, or Assist Steam by converting mass flow rate to volumetric flow at standard conditions (i.e., a temperature of 20 °C (68 °F) and a pressure of 1 atmosphere). Equation 3 uses the molecular weight of the gas stream as an input to the equation; therefore, if the permit holder elects to use a mass flow monitor to determine volumetric flow rate of Vent Gas, the permit holder must collect compositional analysis data for such Vent Gas. For Assist Steam, use a molecular weight of 18 pounds per pound-mole. For Assist Air, use a molecular weight of 29 pounds per pound-mole. The converted volumetric flow rates at standard conditions from Equation 3 shall then be used to calculate the average volumetric flow rate of that gas stream for the 15-minute block period.

$$Q_{vol} = \frac{Q_{mass} * 385.3}{MW_t}$$

Equation 3

For gas streams for which the molecular weight of the gas is known and for which the permit holder complies by using continuous pressure/temperature monitoring system(s): Use appropriate engineering calculations to determine the average volumetric flow rate of that gas stream for the 15-minute block period. For Assist Steam, use a molecular weight of 18 pounds per pound-mole. For Assist Air, use a molecular weight of 29 pounds per pound-mole. For Vent Gas, molecular weight must be determined by collecting compositional analysis data for such Vent Gas.

### Step 3: Calculate the Net Heating Value of the Combustion Zone Gas ( $NHV_{cz}$ )

For any Covered Flare at which: 1) the Feed-Forward Calculation Method is used; 2) gas composition or Net Heating Value monitoring is performed in a location representative of the cumulative Vent Gas stream; and 3) Supplemental Gas flow additions to the Flare are directly monitored: Equation 4 shall be used to determine the 15-minute block average  $NHV_{cz}$  based on the 15-minute block average Vent Gas, Pilot Gas, Supplemental Gas, and assist gas flow rates.

$$NHV_{cz} = \frac{(Q_{vg} - Q_{NG2} + Q_{NG1}) * NHV_{vg} + (Q_{NG2} - Q_{NG1}) * NHV_{NG} + (Q_{pg} * NHV_{pg})}{Q_{vg} + Q_s + Q_{pg}} \quad \text{Equation 4}$$

For the first 15-minute block period of an event,  $Q_{NG1}$  shall use the volumetric flow value for the current 15-minute block period (i.e.  $Q_{NG1} = Q_{NG2}$ ).  $NHV_{NG}$  shall be determined using one of the following methods: 1) direct compositional or Net Heating Value monitoring of the natural gas stream in accordance with Step 1; or 2) for purchased ("pipeline quality") natural gas streams, the permit holder may elect to either: a) use annual or more frequent grab sampling at any one representative location; or b) assume a Net Heating Value of 920 BTU/scf.

For all other Covered Flares: Equation 5 shall be used to determine the 15-minute block average  $NHV_{cz}$  based on the 15-minute block average Vent Gas and assist gas flow rates. For periods when there is no Assist Steam flow or Assist Air flow,  $NHV_{cz} = NHV_{vg}$ .

$$NHV_{cz} = \frac{(Q_{vg} * NHV_{vg}) + (Q_{pg} * NHV_{pg})}{Q_{vg} + Q_s + Q_{pg}} \quad \text{Equation 5}$$

### Step 4: Calculate the Net Heating Value Dilution Parameter ( $NHV_{dil}$ )

For any Covered Flare at which: 1) the Feed-Forward Calculation Method is used; 2) gas composition or Net Heating Value monitoring is performed in a location representative of the cumulative Vent Gas stream; and 3) Supplemental Gas flow additions to the Flare are directly monitored: Equation 6 shall be

used to determine the 15-minute block average  $NHV_{dil}$  only during periods when Perimeter Assist Air is used. For 15-minute block periods when there is no cumulative volumetric flow of Perimeter Assist Air, the 15-minute block average  $NHV_{dil}$  parameter does not need to be calculated.

$$NHV_{dil} = \frac{[(Q_{vg} - Q_{NG2} + Q_{NG1}) * NHV_{vg} + (Q_{NG2} - Q_{NG1}) * NHV_{NG} + (Q_{pg} * NHV_{pg})] * Diam}{(Q_{vg} + Q_s + Q_{pg} + Q_{a,perimeter})} \quad \text{Equation 6}$$

For the first 15-minute block period of an event,  $Q_{NG1}$  shall use the volumetric flow value for the current 15-minute block period (i.e.  $Q_{NG1} = Q_{NG2}$ ).  $NHV_{NG}$  shall be determined using one of the following methods: 1) direct compositional or Net Heating Value monitoring of the natural gas stream in accordance with Step 1; or 2) for purchased ("pipeline quality") natural gas streams, the permit holder may elect to either: a) use annual or more frequent grab sampling at any one representative location; or b) assume a Net Heating Value of 920 BTU/scf.

**For all other Covered Flares:** Equation 7 shall be used to determine the 15-minute block average  $NHV_{dil}$  based on the 15-minute block average Vent Gas and Perimeter Assist Air flow rates, only during periods when Perimeter Assist Air is used. For 15-minute block periods when there is no cumulative volumetric flow of Perimeter Assist Air, the 15-minute block average  $NHV_{dil}$  parameter does not need to be calculated.

$$NHV_{dil} = \frac{[(Q_{vg} * NHV_{vg}) + (Q_{pg} * NHV_{pg})] * Diam}{(Q_{vg} + Q_s + Q_{pg} + Q_{a,perimeter})} \quad \text{Equation 7}$$

#### Step 5: Ensure that during Flare operation, $NHV_{vg} \geq 300$ BTU/scf

The Flare must be operated to ensure that  $NHV_{vg}$  is equal to or above 300 BTU/scf (Equation 8 shows this relationship), as determined for:

1. Each 15-minute block period during which Waste Gas is routed to a Covered Flare for all 15-minutes (a "Complete 15-minute Block Period"), and
2. Any 15-minute block period during which Waste Gas is routed to a Covered Flare for less than all 15-minutes (a "Partial 15-Minute Block Period") and is immediately subsequent and contiguous to a Complete 15-minute Block Period.

Partial 15-Minute Block Periods are not required to achieve a  $NHV_{vg}$  equal to or above 300 BTU/scf if they immediately precede a Complete 15-minute Block Period.

$$NHV_{vg} \geq 300 \text{ BTU/scf}$$

Equation 8

**Step 6: Ensure that during Flare operation,  $NHV_{cz} \geq 270 \text{ BTU/scf}$**

The Flare must be operated to ensure that  $NHV_{cz}$  is equal to or above 270 BTU/scf (Equation 9 shows this relationship), as determined for:

1. Each Complete 15-minute Block Period, and
2. Any Partial 15-Minute Block Period that is immediately subsequent and contiguous to a Complete 15-minute Block Period.

Partial 15-Minute Block Periods are not required to achieve a  $NHV_{cz}$  equal to or above 270 BTU/scf if they immediately precede a Complete 15-minute Block Period.

$$NHV_{cz} \geq 270 \text{ BTU/scf}$$

Equation 9

**Step 7: Ensure that during Flare operation,  $NHV_{dil} \geq 22 \text{ BTU/ft}^2$**

A Flare actively receiving Perimeter Assist Air must be operated to ensure that  $NHV_{dil}$  is equal to or above 22 BTU/ft<sup>2</sup> (Equation 10 shows this relationship), as determined for:

1. Each Complete 15-minute Block Period, and
2. Any Partial 15-Minute Block Period that is immediately subsequent and contiguous to a Complete 15-minute Block Period.

Partial 15-Minute Block Periods are not required to achieve a  $NHV_{dil}$  equal to or above 22 BTU/ft<sup>2</sup> if they immediately precede a Complete 15-minute Block Period.

$$NHV_{dil} \geq 22 \text{ BTU/ft}^2$$

Equation 10

**Calculation Method for Determining Compliance with Vtip Operating Limits.**

The permit holder shall determine Vtip on a 15-minute Block Average basis according to the following requirements:

- (a) The permit holder shall use design and engineering principles and the guidance in Appendix 1.3 to determine the Unobstructed Cross Sectional Area of the Flare Tip. The Unobstructed Cross Sectional Area of the Flare Tip is the total tip area that Vent Gas can pass through. This area does not include any stability tabs, stability rings, and upper steam or air tubes because Vent Gas does not exit through them.
- (b) The permit holder shall determine the cumulative volumetric flow of Vent Gas for each 15-minute Block Average Period using the data from the continuous flow monitoring system according to the requirements in Step 2 above.
- (c) The 15-minute Block Average Vtip shall be calculated using Equation 11.

$$V_{tip} = \frac{Q_{cum}}{Area \times 900}$$

Equation 11

- (d) If the permit holder chooses to comply with Vtip less than 400 ft/s and less than Vmax, the permit holder shall also determine the  $NHV_{vg}$  using Step 1 above and calculate Vmax using Equation 12 in order to compare Vtip to Vmax on a 15-minute Block Average basis.

$$\log_{10}(V_{max}) = \frac{NHV_{vg} + 1,212}{850}$$

Equation 12

**Key to the Abbreviations:**

385.3 = conversion factor (scf / lb-mol)

850 = Constant

900 = Conversion factor (seconds / 15-minute block average)

1,212 = Constant for heating value of hydrogen ( $H_2$ )

*Area* = The unobstructed cross sectional area of the flare tip is the total tip area that Vent Gas can pass through,  $ft^2$ . This area does not include any stability tabs, stability rings, and upper steam or air tubes because Flare Vent Gas does not exit through them. Use design and engineering principles to determine the unobstructed cross sectional area of the Flare tip.

*Diam* = Effective diameter of the unobstructed area of the flare tip for Flare Vent Gas flow, ft. Determine the diameter as

$$Diam = 2 * \sqrt{Area \div \pi}$$



$i$  = individual component in Vent Gas (unitless)

$MW_t$  = molecular weight of the gas at the flow monitoring location (lb / lb-mol)

$n$  = number of components in Vent Gas (unitless)

$NHV_{cz}$  = Net Heating Value of Combustion Zone Gas (BTU / scf)

$NHV_i$  = Net Heating Value of component  $i$  according to Table 1 of this Appendix (BTU / scf)

$NHV_{measured}$  = Net Heating Value of Vent Gas stream as measured by monitoring system (BTU / scf)

$NHV_{NG}$  = Net Heating Value of Supplemental Gas to flare during the 15-minute block period (BTU / scf)

$NHV_{pg}$  = Net Heating Value of Pilot Gas (BTU / scf)

$NHV_{vg}$  = Net Heating Value of Vent Gas (BTU / scf)

$Q_{a, perimeter}$  = cumulative vol flow or perimeter assist air during the 15-minute block period (scf)

$Q_{cum}$  = cumulative volumetric flow over 15-minute block average period (scf)

$Q_{mass}$  = mass flow rate (pounds per second)

$Q_{NG1}$  = cumulative vol flow of Supplemental Gas to flare during previous 15-minute block period (scf)

$Q_{NG2}$  = cumulative vol flow of Supplemental Gas to flare during the 15-minute block period (scf)

$Q_{pg}$  = cumulative vol flow of Pilot Gas during the 15-minute block period (scf)

$Q_s$  = cumulative vol flow of Total Steam during the 15-minute block period (scf)

$Q_{vg}$  = cumulative vol flow of Vent Gas during the 15-minute block period (scf)

$Q_{vol}$  = volumetric flow rate (scf per second)

$V_{max}$  = Maximum allowed flare tip velocity (feet per second)

$V_{tip}$  = Flare tip velocity (feet per second)

$x_i$  = concentration of component  $i$  in Vent Gas (vol fraction)

$x_{H2}$  = concentration of  $H_2$  in Vent Gas at time sample was input into NHV monitoring system (vol fraction)

**Table 1**  
**Individual Component Properties**

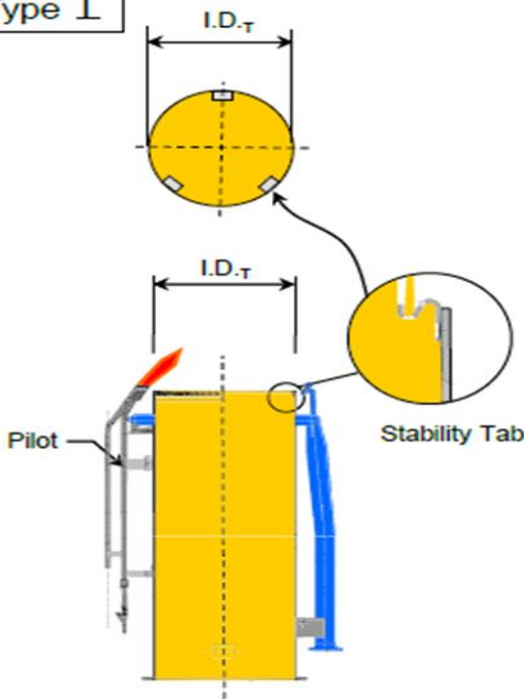
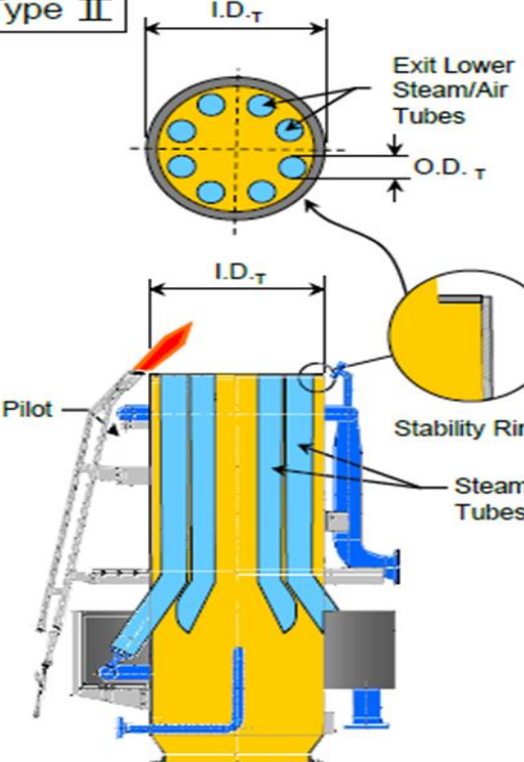
Component	Molecular Formula	MW <sub>i</sub> (pounds per pound-mole)	CMN <sub>i</sub> (mole per mole)	NHV <sub>i</sub> (British thermal units per standard cubic foot)	LFL <sub>i</sub> (volume %)
Acetylene	C <sub>2</sub> H <sub>2</sub>	26.04	2	1,404	2.5
Benzene	C <sub>6</sub> H <sub>6</sub>	78.11	6	3,591	1.3
1,2-Butadiene	C <sub>4</sub> H <sub>6</sub>	54.09	4	2,794	2.0
1,3-Butadiene	C <sub>4</sub> H <sub>6</sub>	54.09	4	2,690	2.0
iso-Butane	C <sub>4</sub> H <sub>10</sub>	58.12	4	2,957	1.8
n-Butane	C <sub>4</sub> H <sub>10</sub>	58.12	4	2,968	1.8
cis-Butene	C <sub>4</sub> H <sub>8</sub>	56.11	4	2,830	1.6
iso-Butene	C <sub>4</sub> H <sub>8</sub>	56.11	4	2,928	1.8
trans-Butene	C <sub>4</sub> H <sub>8</sub>	56.11	4	2,826	1.7
Carbon Dioxide	CO <sub>2</sub>	44.01	1	0	∞
Carbon Monoxide	CO	28.01	1	316	12.5
Cyclopropane	C <sub>3</sub> H <sub>6</sub>	42.08	3	2,185	2.4
Ethane	C <sub>2</sub> H <sub>6</sub>	30.07	2	1,595	3.0
Ethylene	C <sub>2</sub> H <sub>4</sub>	28.05	2	1,477	2.7
Hydrogen	H <sub>2</sub>	2.02	0	1,212 <sup>A</sup>	4.0
Hydrogen Sulfide	H <sub>2</sub> S	34.08	0	587	4.0
Methane	CH <sub>4</sub>	16.04	1	896	5.0
Methyl-Acetylene	C <sub>3</sub> H <sub>4</sub>	40.06	3	2,088	1.7
Nitrogen	N <sub>2</sub>	28.01	0	0	∞
Oxygen	O <sub>2</sub>	32.00	0	0	∞
Pentane+ (C5+)	C <sub>5</sub> H <sub>12</sub>	72.15	5	3,655	1.4
Propadiene	C <sub>3</sub> H <sub>4</sub>	40.06	3	2,066	2.16
Propane	C <sub>3</sub> H <sub>8</sub>	44.10	3	2,281	2.1
Propylene	C <sub>3</sub> H <sub>6</sub>	42.08	3	2,150	2.4
Water	H <sub>2</sub> O	18.02	0	0	∞

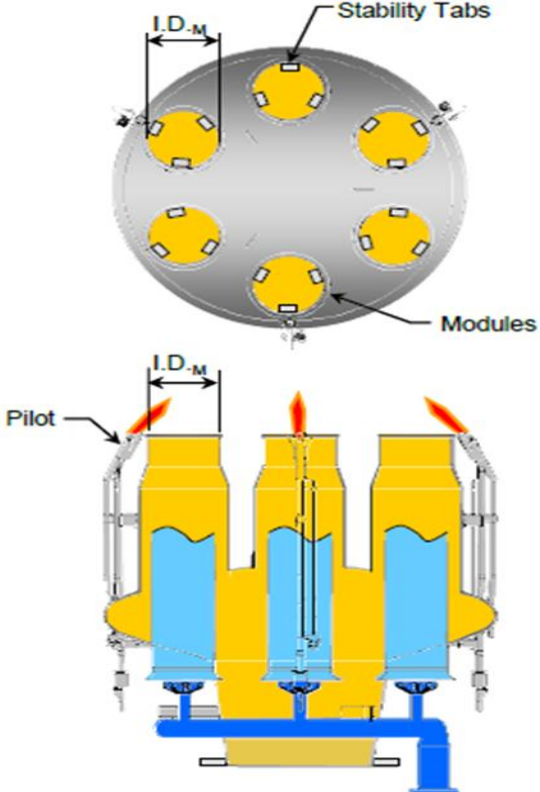
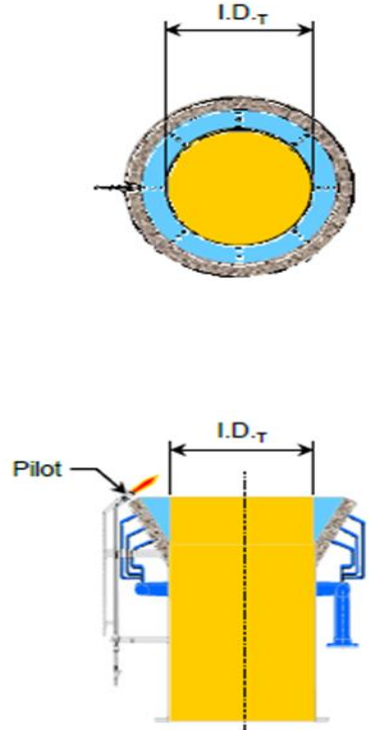
<sup>A</sup> The theoretical Net Heating Value for hydrogen is 274 Btu/scf, but for the purposes of this appendix calculation methodology, a Net Heating Value of 1,212 Btu/scf shall be used.

Note: If a component is not specified in this Table 1, the heats of combustion may be determined using any published values where the net enthalpy per mole of offgas is based on combustion at 25 °C and 1 atmosphere (or constant pressure) with offgas water in the gaseous state, but the standard temperature for determining the volume corresponding to one mole of Vent Gas is 20 °C.

### Appendix 1.3

#### Calculating the Unobstructed Cross Sectional Area of Various Types of Flare Tips

<p><b>Type I</b></p>  $A_{tip-unob} = \pi(I.D.T)^2/4 - (X_T \cdot A_{ST})$	<p><b>Type II</b></p>  $A_{tip-unob} = \pi(I.D.T)^2/4 - A_{ST} - N_T \cdot \pi(O.D.T)^2/4$
<p>Where:</p> <ul style="list-style-type: none"> <li><math>A_{tip-unob}</math> = Unobstructed Cross Sectional Area of Flare Tip</li> <li><math>I.D.T</math> = Inside Diameter Flare Tip</li> <li><math>X_T</math> = Number of Stability Tabs</li> <li><math>A_{ST}</math> = Area of a Stability Tab</li> </ul>	<p>Where:</p> <ul style="list-style-type: none"> <li><math>A_{tip-unob}</math> = Unobstructed Cross Sectional Area of Flare Tip</li> <li><math>I.D.T</math> = Inside Diameter Flare Tip</li> <li><math>A_{ST}</math> = Area of Stability Ring</li> <li><math>O.D.T</math> = Outside Diameter of Steam/Air Tubes</li> <li><math>N_T</math> = Number of Steam/Air Tubes</li> </ul>
<p>Example:</p> <ul style="list-style-type: none"> <li><math>I.D.T = 41.5</math> inches</li> <li><math>X_T = 3</math></li> <li><math>A_{ST} = 3</math> Sq. inches</li> </ul>	<p>Example:</p> <ul style="list-style-type: none"> <li><math>I.D.T = 47.5</math> inches</li> <li><math>A_{ST} = 100</math> Sq. inches</li> <li><math>O.D.T = 6.5</math> inches</li> <li><math>N_T = 8</math></li> </ul>
<p><math>A_{tip-unob} = \pi(41.5)^2/4 - (3 \cdot 3)</math>  <math>A_{tip-unob} = 1344</math> Sq. inches</p>	<p><math>A_{tip-unob} = \pi(47.5)^2/4 - 100 - 8 \cdot \pi(6.5)^2/4</math>  <math>A_{tip-unob} = 1322</math> Sq. inches</p>

Type III	Type IV
 $A_{tip-unob} = N_M * (\pi * (I.D._M)^2 / 4 - X_T * A_{ST})$	 $A_{tip-unob} = \pi (I.D._T)^2 / 4$
<p>Where: <math>A_{tip-unob}</math> = Unobstructed Cross Sectional Area of Flare Tip  <math>I.D._M</math> = Inside Diameter of One Tip Module  <math>N_M</math> = Number of Modules  <math>X_T</math> = Number of Stability Tabs per Module  <math>A_{ST}</math> = Area of a Stability Tab</p>	<p>Where: <math>A_{tip-unob}</math> = Unobstructed Cross Sectional Area of Flare Tip  <math>I.D._T</math> = Inside Diameter of Flare Tip</p>
<p>Example: <math>I.D._M</math> = 17 inches  <math>N_M</math> = 6      <math>X_T</math> = 3  <math>A_{ST}</math> = 3 Sq. inches</p>	<p>Example: <math>I.D._T</math> = 41.5 inches</p>
<p><math>A_{tip-unob} = 6 * (\pi * (17)^2 / 4 - 3 * 3)</math>  <math>A_{tip-unob} = 1308</math> Sq. inches</p>	<p><math>A_{tip-unob} = \pi (41.5)^2 / 4</math>  <math>A_{tip-unob} = 1353</math> Sq. inches</p>

**Appendix 1.4****Flare Gas Recovery Systems – Description and Compliance Dates**

<b>Covered Facility</b>	<b>Covered Flares</b>	<b>FGRS Nominal Design Capacity (mscf/Day)</b>	<b>FGRS ID/ Nominal Design Capacity (mscf/Day)</b>	<b>FGRS Type</b>	<b>Compliance Deadline for Installation and Commencing Operation</b>
Beaumont Chemical Plant	LP East; HP West; and UDEX	2.9	2.9	1 Compressor with 1 installed Duplicate Spare Compressor (Liquid jet ejector compressor system)	June 30, 2020

## Appendix 1.5

### Fenceline Monitoring Requirements

1. **Applicability.** The requirements of this Fenceline Monitoring Project apply to this permit holder.
2. **Timing and Public Transparency.** No later than 270 Days after the June 6, 2018, the permit holder must submit in writing to EPA a report: a) showing the location of all monitors that will be utilized to comply with the Monitoring Requirements of Paragraph 3 below and b) providing a URL to a mockup of the publicly available website to be used to report monitoring data pursuant to this Fenceline Monitoring Project.

The Fenceline Monitoring Systems described in the Paragraph 3 below must commence collecting data 365 Days after the June 6, 2018.

The permit holder must post to a publicly available website each individual sample result for each monitor, each biweekly annual average concentration difference value (once annual averages are available), and any corrective action plan submitted to EPA pursuant to Paragraph 3(g)(corrective action plans posted to the website may be redacted to protect confidential business information). The permit holder must post each individual sample result for each monitor within two weeks of the end of the biweekly sampling period or within one week of sampling collected pursuant to the "alternative sampling frequency for burden reduction" requirements set forth in Paragraph 3(e)(3) below. The permit holder must post each annual average difference value within 45 Days of the sampling period that allows the creation of a new annual average difference value. The data must be presented in a tabular format.

### 3. Monitoring Requirements.

- (a) The permit holder must commence sampling along the property boundary of the facility. The permit holder must collect and analyze the samples in accordance with Methods 325A and 325B of Appendix A to 40 C.F.R. Part 63 (Test Methods – Pollutant Measurement Methods from Various Waste Media) (hereafter "Rule Appendix A") and sub- Paragraphs 3(b) through 3(h).
- (b) The target analyte for the Fenceline Monitoring Systems is benzene.
- (c) Siting of monitors. The permit holder must determine the passive monitor locations comprising each Fenceline Monitoring System in accordance with Section 8.2 of Method 325A of Rule Appendix A.
  - (1) As it pertains to this Fenceline Monitoring Project, known sources of VOCs, as used in Section 8.2.1.3 in Method 325A of Rule Appendix A for siting passive monitors means a wastewater treatment unit, process unit, or any emission source requiring HAP control according to the requirements of any state or federal air permit applicable to the facility, including marine vessel loading operations. For marine loading operations that are located offshore, one passive monitor should be sited on the shoreline adjacent to the dock.

- (2) The permit holder must collect at least one co-located duplicate sample for every 10 field samples per sampling period and at least two field blanks per sampling period, as described in Section 9.3 in Method 325A of Rule Appendix A. The co-located duplicates may be collected at any one of the perimeter sampling locations.
  - (3) The permit holder must follow the procedure in Section 9.6 of Method 325B of Rule Appendix A to determine the detection limit of benzene for each sampler used to collect samples and co-located samples and blanks. Each monitor used to conduct sampling in accordance with this Appendix must have a detection limit that is at least an order of magnitude lower than the benzene action level.
- (d) Collection of meteorological data. The permit holder must collect and record meteorological data according to the applicable requirements in sub-Paragraphs 3(d)(1) and 3(d)(2).
  - (1) The permit holder must collect and record the average temperature and barometric pressure during each sampling period using either an on-site meteorological station in accordance with Section 8.3 of Method 325A of Rule Appendix A or, alternatively, using data from a United States Weather Service (USWS) meteorological station provided the USWS meteorological station is within 40 kilometers (25 miles) of the applicable facility.
  - (2) If an on-site meteorological station is used, the permit holder must follow the calibration and standardization procedures for meteorological measurements in EPA-454/B-08-002 and at:  
[http://www3.epa.gov/ttnamti1/files/ambient/met/Volume\\_IV\\_Meteorological\\_Measurements.pdf](http://www3.epa.gov/ttnamti1/files/ambient/met/Volume_IV_Meteorological_Measurements.pdf).
- (e) Sampling Frequency. The permit holder must use a sampling period and sampling frequency as specified in this sub-Paragraph 3(e).
  - (1) Sampling period. A 14-Day sampling period must be used, unless a shorter sampling period is determined to be necessary under Paragraph 3(g). A sampling period is defined as the period during which sampling tube is deployed at a specific sampling location with the diffusive sampling end cap in-place. The sampling period does not include the time required to analyze the sample. For the purpose of this sub-Paragraph, a 14-Day sampling period may be no shorter than 13 calendar days and no longer than 15 calendar days, but the routine sampling period must be 14 calendar days.
  - (2) Base sampling frequency. Except as provided in Paragraph 3(e)(3), the frequency of sample collection must be once each contiguous 14-Day sampling period, such that the beginning of the next 14-Day sampling period begins immediately upon the completion of the previous 14-Day sampling period.
  - (3) Alternative sampling frequency for burden reduction. When an individual monitor consistently, as defined in sub-Paragraph 3(e)(3)(i) through (v), yields results at or below 0.9 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ), the permit holder may elect to use the applicable minimum sampling frequency specified in Paragraph 3(e)(3)(i) through (v) for that individual monitoring site. When calculating  $\Delta c$  (as defined in Paragraph 3(f)) for the monitoring period when using this alternative for burden reduction, zero must be

substituted for the sample result for the monitoring site for any period where a sample is not taken.

- (i) If every sample at an individual monitoring site is at or below  $0.9 \mu\text{g}/\text{m}^3$  for 2 years (52 consecutive samples), every other sampling period can be skipped for that individual monitoring site, i.e., sampling will occur approximately once per month.
  - (ii) If every sample at an individual monitoring site that is monitored at the frequency specified in Paragraph 3(e)(3)(i) is at or below  $0.9 \mu\text{g}/\text{m}^3$  for 2 years (i.e., 26 consecutive "monthly" samples), five 14-Day sampling periods can be skipped for that individual monitoring site following each period of sampling, i.e., sampling will occur approximately once per quarter.
  - (iii) If every sample at an individual monitoring site that is monitored at the frequency specified in Paragraph 3(e)(3)(ii) is at or below  $0.9 \mu\text{g}/\text{m}^3$  for 2 years (i.e., 8 consecutive quarterly samples), twelve 14-Day sampling periods can be skipped for that individual monitoring site following each period of sampling, i.e., sampling will occur twice a year.
  - (iv) If every sample at an individual monitoring site that is monitored at the frequency specified in Paragraph 3(e)(3)(iii) is at or below  $0.9 \mu\text{g}/\text{m}^3$  for 2 years (i.e., 4 consecutive semi-annual samples), only one sample per year is required for that individual monitoring site. For yearly sampling, samples must occur at least 10 months but no more than 14 months apart.
  - (v) If at any time a sample for an individual monitoring site that is monitored at the frequency specified in Paragraphs 3(e)(3)(i) through (iv) returns a result that is above  $0.9 \mu\text{g}/\text{m}^3$ , that sampling site must return to the original sampling requirements of contiguous 14-Day sampling periods with no skip periods for one quarter (six 14-Day sampling periods). If every sample collected during this quarter is at or below  $0.9 \mu\text{g}/\text{m}^3$ , the permit holder may revert back to the reduced monitoring frequency applicable for that individual monitoring site immediately prior to the sample reading exceeding  $0.9 \mu\text{g}/\text{m}^3$ . If any sample collected during this quarter is above  $0.9 \mu\text{g}/\text{m}^3$ , that individual monitoring site must return to the original sampling requirements of contiguous 14-Day sampling periods with no skip periods for a minimum of two years. The burden reduction requirements can be used again for that monitoring site once the requirements of Paragraph 3(e)(3)(i) are met again, i.e., after 52 contiguous 14-Day samples with no results above  $0.9 \mu\text{g}/\text{m}^3$ .
- (f) Action Level. Within 45 Days of completion of each sampling period, the permit holder must determine whether the results are above or below the action level as follows:
- (1) The permit holder must determine the benzene difference concentration ( $\Delta c$ ) for each 14-Day sampling period by determining the highest and lowest sample results for benzene concentrations from the sample pool and calculating the  $\Delta c$  as the difference in these concentrations. The permit holder must adhere to the following procedures when one or more samples for the sampling period are below the method detection limit for benzene:



- (i) If the lowest detected value of benzene is below detection, the permit holder must use zero as the lowest sample result when calculating  $\Delta c$ .
  - (ii) If all sample results are below the method detection limit, the permit holder must use the method detection limit as the highest sample result.
- (2) The permit holder must calculate the annual average  $\Delta c$  based on the average of the 26 most recent 14-Day sampling periods. The permit holder must update this annual average value after receiving the results of each subsequent 14-Day sampling period (i.e., on a "rolling" basis).
- (3) The action level for benzene is 9  $\mu\text{g}/\text{m}^3$  on an annual average basis. If the annual average  $\Delta c$  value for benzene is less than or equal to 9  $\mu\text{g}/\text{m}^3$ , the concentration is below the action level. If the annual average  $\Delta c$  value for benzene is greater than 9  $\mu\text{g}/\text{m}^3$ , the concentration is above the action level, and the permit holder must conduct a root cause analysis and corrective action in accordance with Paragraph 3(g).
- (g) Root Cause Analysis and Corrective Action. Within 5 Days of determining that the action level has been exceeded for any annual average  $\Delta c$  and no longer than 50 Days after completion of the sampling period, the permit holder must initiate a root cause analysis to determine the cause of such exceedance and to determine appropriate corrective action, such as those described in Paragraphs 3(g)(1) through (4). The root cause analysis and initial corrective action analysis must be completed and initial corrective actions taken no later than 45 Days after determining there is an exceedance. Root cause analysis and corrective action may include, but is not limited to:
  - (1) Leak inspection using Method 21 of 40 C.F.R. Part 60, Appendix A-7 and repairing any leaks found.
  - (2) Leak inspection using optical gas imaging and repairing any leaks found.
  - (3) Visual inspection to determine the cause of the high benzene emissions and implementing repairs to reduce the level of emissions.
  - (4) Employing progressively more frequent sampling, analysis and meteorology (e.g., using shorter sampling periods for Methods 325A and 325B of Appendix A of 40 C.F.R. Part 63, or using active sampling techniques).
- (h) If, after completing the corrective action analysis and corrective actions such as those described in Paragraph 3(g), the  $\Delta c$  value for the next 14-Day sampling period for which the sampling start time begins after the completion of the corrective actions is greater than 9  $\mu\text{g}/\text{m}^3$  or if all corrective action measures identified require more than 45 Days to implement, the permit holder must develop a corrective action plan that describes the corrective action(s) completed to date, additional measures that the permit holder proposes to employ to reduce benzene concentrations below the action level, and a schedule for completion of these measures. The permit holder must submit the corrective action plan to EPA within 60 Days after receiving the analytical results indicating that the  $\Delta c$  value for the 14-Day sampling period following the completion of the initial corrective action is greater than 9  $\mu\text{g}/\text{m}^3$  or, if no

Attachment E

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 20

initial corrective actions were identified, no later than 60 Days following the completion of the corrective action analysis required in Paragraph 3(g).

Dated: September 13, 2019

## Attachment F

### TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



**Alternative Method of Control (AMOC) Plan, AMOC No.: 165  
Exxon Mobil Corporation  
Beaumont Chemical Plant Alternative Flare Operations and Monitoring  
Beaumont, Jefferson County, Regulated Entity Number: 100542844**

This AMOC Plan Authorization shall apply at the Exxon Mobil Corporation (ExxonMobil) **Beaumont Chemical Plant** located in Beaumont, Jefferson County. Under Title 30 Texas Administrative Code (TAC) Section 115.910 (§115.910) this Plan authorizes alternative operational parameter requirements, monitoring, recordkeeping, recording and reporting for the flare at the Catalyst and Synthetics (C&S) production plant which controls routine, planned maintenance, start-up and shutdown (MSS), and unplanned event emissions.

This authorization is granted under § 115.910 for emissions sources regulated by 30 TAC Chapter 115 Subchapter B, Division 1 Storage of Volatile Organic Compounds; Subchapter B, Division 2 Vent Gas Control; and Subchapter B, Division 6 Batch Processes. This AMOC shall apply in lieu of the requirements in §§ 115, as applicable. Compliance with this AMOC is independent of ExxonMobil's obligation to comply with all other applicable requirements of 30 TAC Chapter 115, TCEQ permits, and applicable state and federal law. In accordance with § 115.913(c), all representations submitted for this Plan, as well as the provisions listed here, become conditions upon which this AMOC Plan is issued. It is unlawful to vary from the emission limits, control requirements, monitoring, testing, reporting or recordkeeping requirements of this Plan.

A copy of the AMOC application and the AMOC Plan provisions must be kept on-site or at a centralized location and made available at the request of personnel from the TCEQ or any pollution control agency with jurisdiction. The AMOC application is defined by the application dated June 11, 2020 and subsequent information through July 10, 2020.

#### **I. Applicability**

- A. **Flare.** The requirements of this AMOC are applicable to the following Flare:  
CS flare (EPN 11FLR\_613, FIN 11FLR#613), a steam-assisted flare controlling emissions from process vents from routine operations from the Catalyst and Synthetics units, analyzer vents, sampling loops, and supplemental and pilot gas flows and associated maintenance, startup, and shutdown activities and is effective as of January 2022, or whenever the C&S flare hydrogen analyzer has been installed and is fully functional, whichever is sooner.
- B. **Flare tip velocity.** For each flare, the owner or operator shall comply with either (1) or (2) below, provided the appropriate monitoring systems are in-place, whenever regulated material is routed to the flare for at least 15-minutes and the flare vent gas flow rate is less than the smokeless design capacity of the flare.

1. Except as provided in paragraph (2) below, the actual flare tip velocity ( $V_{tip}$ ) must be less than 60 feet per second. The owner or operator shall monitor  $V_{tip}$  using the procedures specified below.
2.  $V_{tip}$  must be less than 400 feet per second and also less than the maximum allowed flare tip velocity ( $V_{max}$ ) as calculated according to the following equation.  
The owner or operator shall monitor  $V_{tip}$  and monitor gas composition and determine  $NHV_{vg}$  using the procedures specified.

$$\log_{10} (V_{max}) = \{NHV_{vg} + 1212\} / 850$$

Where:  $V_{max}$  = Maximum allowed flare tip velocity, ft/sec.

$NHV_{vg}$  = Net heating value of flare vent gas, as determined by paragraph (G), Btu/scf.

1,212 = Constant, 850 = Constant.

- C. **Combustion zone operating limits.** For each flare, the owner or operator shall operate the flare to maintain the net heating value of flare combustion zone gas ( $NHV_{cz}$ ) at or above 270 British thermal units per standard cubic feet (Btu/scf) determined on a 15-minute block period basis when regulated material is routed to the flare for at least 15-minutes. The owner or operator shall monitor and calculate  $NHV_{cz}$  as specified.  
When determining compliance with the flare tip velocity and combustion zone operating limits, the requirement effectively applies starting with the 15-minute block that includes a full 15 minutes of the flaring event. Compliance is required to be demonstrated with the velocity and  $NHV_{cz}$  requirements starting with the block that contains the fifteenth minute of a flaring event. The operator is not required to demonstrate compliance for the previous 15-minute block in which the event started and contained only a fraction of flow.
- D. **Flare vent gas and steam assist flow rate monitoring.** The owner or operator shall install, operate, calibrate, and maintain a monitoring system capable of continuously measuring, calculating, and recording the volumetric flow rate in the flare header or headers that feed the flare as well as any supplemental natural gas used. Different flow monitoring methods may be used to measure different gaseous streams that make up the flare vent gas provided that the flow rates of all gas streams that contribute to the flare vent gas are determined. If assist steam is used, the owner or operator shall install, operate, calibrate, and maintain a monitoring system capable of continuously measuring, calculating, and recording the volumetric flow rate of assist steam used with the flare.
  1. The flow rate monitoring systems must be able to correct for the temperature and pressure of the system and output parameters in standard conditions (i.e., a temperature of 20° C (68° F) and a pressure of 1 atmosphere).
  2. Mass flow monitors may be used for determining volumetric flow rate of flare vent gas provided the molecular weight of the flare vent gas is determined using compositional analysis as specified in paragraph (E) so that the mass flow rate can be converted to volumetric flow at standard conditions using the following equation.  

$$Q_{vol} = \{Q_{mass} * 385.3\} / MWt$$

Where:

    - $Q_{vol}$  = Volumetric flow rate, standard cubic feet per second.
    - $Q_{mass}$  = Mass flow rate, pounds per second.
    - 385.3 = Conversion factor, standard cubic feet per pound-mole.
    - $MWt$  = Molecular weight of the gas at flow monitoring location, pounds per pound-mole
  3. Mass flow monitors may be used for determining volumetric flow rate of assist steam. Use the applicable equation to convert mass flow rates to volumetric flow rates. Use a molecular weight of 18 pounds per pound-mole for assist steam.

4. Continuous pressure/temperature monitoring systems and appropriate engineering calculations may be used in lieu of a continuous volumetric flow monitoring system provided the molecular weight of the gas is known. For assist steam, use a molecular weight of 18 pounds per pound-mole. For flare vent gas, molecular weight must be determined using compositional analysis as specified.

E. **Flare vent gas composition monitoring.** The owner or operator shall determine the concentration of individual components in the flare vent gas using either the methods (1) or (2) below. Alternatively, the owner or operator may elect to directly monitor the net heating value of the flare vent gas following the methods provided and, if desired, may directly measure the hydrogen concentration in the flare vent gas following the methods provided. The owner or operator may elect to use different monitoring methods for different gaseous streams that make up the flare vent gas using different methods provided the composition or net heating value of all gas streams that contribute to the flare vent gas are determined.

1. The owner or operator shall install, operate, calibrate, and maintain a monitoring system capable of continuously measuring (i.e., at least once every 15-minutes), calculating, and recording the individual component concentrations present in the flare vent gas.
2. The owner or operator shall install, operate, and maintain a grab sampling system capable of collecting an evacuated canister sample for subsequent compositional analysis at least once every eight hours while there is flow of regulated material to the flare. Subsequent compositional analysis of the samples must be performed according to Method 18 of 40 CFR part 60, appendix A-6, ASTM D6420-99 (Reapproved 2010), ASTM D1945-03 (Reapproved 2010), ASTM D1945-14 or ASTM UOP539-12.
3. The owner or operator shall install, operate, calibrate, and maintain a calorimeter capable of continuously measuring, calculating, and recording  $NHV_{vg}$  at standard conditions.
4. If the owner or operator uses a continuous net heating value monitor, the owner or operator may, at their discretion, install, operate, calibrate, and maintain a monitoring system capable of continuously measuring, calculating, and recording the hydrogen concentration in the flare vent gas.
5. Direct compositional or net heating value monitoring is not required for purchased ("pipeline quality") natural gas streams. The net heating value of purchased natural gas streams may be determined using annual or more frequent grab sampling at any one representative location. Alternatively, the net heating value of any purchased natural gas stream can be assumed to be 920 Btu/scf.
6. If the operator uses a gas chromatograph for compositional analysis for net heating value, then the operator may choose to use the combustion efficiency (CE) of  $NHV_{measured}$  versus the cylinder tag value  $NHV$  as the measure of agreement for daily calibration and quarterly audits in lieu of determining the compound-specific CE. The CE for  $NHV$  at any calibration level must not differ by more than 10 percent from the certified cylinder gas value. The CE for must be calculated using the following equation.

$$CE = (NHV_{measured} - NHV_a) / (NHV_a) \times 100$$

Where:

$NHV_{measured}$  = Average instrument response (Btu/scf)

$NHV_a$  = Certified cylinder gas value (Btu/scf)

- F. **Calculation methods for cumulative flow rates and determining compliance with  $V_{tip}$  operating limits.** The owner or operator shall determine  $V_{tip}$  on a 15-minute block average basis according to the following requirements:

1. The owner or operator shall use design and engineering principles to determine the unobstructed cross-sectional area of the flare tip. The unobstructed cross-sectional area of the flare tip is the total tip area that vent gas can pass through. This area does not include any stability tabs, stability rings, and upper steam or air tubes because flare vent gas does not exit through them.
  2. The owner or operator shall determine the cumulative volumetric flow of flare vent gas for each 15-minute block average period using the data from the continuous flow monitoring system required in paragraph (D) according to the following requirements, as applicable. If desired, the cumulative flow rate for a 15-minute block period only needs to include flow during those periods when regulated material is sent to the flare, but owners or operators may elect to calculate the cumulative flow rates across the entire 15-minute block period for any 15-minute block period where there is regulated material flow to the flare.
    - i. Use set 15-minute time periods starting at 12 midnight to 12:15 a.m., 12:15 a.m. to 12:30 a.m. and so on concluding at 11:45 p.m. to midnight when calculating 15-minute block average flow volumes.
    - ii. If continuous pressure/temperature monitoring system(s) and engineering calculations are used, the owner or operator shall, at a minimum, determine the 15-minute block average temperature and pressure from the monitoring system and use those values to perform the engineering calculations to determine the cumulative flow over the 15-minute block average period. Alternatively, the owner or operator may divide the 15-minute block average period into equal duration sub-periods (e.g., three 5-minute periods) and determine the average temperature and pressure for each subperiod, perform engineering calculations to determine the flow for each subperiod, then add the volumetric flows for the subperiods to determine the cumulative volumetric flow of vent gas for the 15-minute block average period.
  3. The 15-minute block average  $V_{tip}$  shall be calculated using the following equation.
$$V_{tip} = Q_{cum} / \{Area * 900\}$$

Where:

$V_{tip}$  = Flare tip velocity, feet per second.

$Q_{cum}$  = Cumulative volumetric flow over 15-minute block average period, standard cubic feet.

Area = Unobstructed area of the flare tip, square feet.

900 = Conversion factor, seconds per 15-minute block average.
  4. If the owner or operator chooses, the owner or operator shall also determine the net heating value of the flare vent gas following the requirements and calculate  $V_{max}$  using the equation in order to compare  $V_{tip}$  to  $V_{max}$  on a 15-minute block average basis.
- G. **Calculation methods for determining flare vent gas net heating value.** The owner or operator shall determine the net heating value of the flare vent gas ( $NHV_{vg}$ ) based on the composition monitoring data on a 15-minute block average basis according to the following requirements.

1. If compositional analysis data are collected as provided in paragraph (E)(1) or (2) of this section, the owner or operator shall determine  $NHV_{vg}$  of a specific sample by using the following equation.

$$NHV_{vg} = \sum_{i=1}^n x_i NHV_i$$

Where:

$NHV_{vg}$  = Net heating value of flare vent gas, Btu/scf.

$i$  = Individual component in flare vent gas.

$n$  = Number of components in flare vent gas.

$x_i$  = Concentration of component  $i$  in flare vent gas, volume fraction.

$NHV_i$  = Net heating value of component  $i$  according to Table 1, Btu/scf. If the component is not specified in Table 1, the heats of combustion may be determined using any published values where the net enthalpy per mole of offgas is based on combustion at 25 °C and 1 atmosphere (or constant pressure) with offgas water in the gaseous state, but the standard temperature for determining the volume corresponding to one mole of vent gas is 20 °C.

2. If direct net heating value monitoring data are collected as provided but a hydrogen concentration monitor is not used, the owner or operator shall use the direct output of the monitoring system(s) (in Btu/scf) to determine the  $NHV_{vg}$  for the sample.
3. If direct net heating value monitoring data are collected as provided and hydrogen concentration monitoring data are collected as provided, the owner or operator shall use the following equation to determine  $NHV_{vg}$  for each sample measured via the net heating value monitoring system.

$$NHV_{vg} = NHV_{measured} + 938x_{H2}$$

Where:

$NHV_{vg}$  = Net heating value of flare vent gas, Btu/scf.

$NHV_{measured}$  = Net heating value of flare vent gas stream as measured by the continuous net heating value monitoring system, Btu/scf.

$x_{H2}$  = Concentration of hydrogen in flare vent gas at the time the sample was input into the net heating value monitoring system, volume fraction.

938 = Net correction for the measured heating value of hydrogen (1,212 - 274), Btu/scf.

4. Use set 15-minute time periods starting at 12 midnight to 12:15 a.m., 12:15 a.m. to 12:30 a.m. and so on concluding at 11:45 p.m. to midnight when calculating 15-minute block averages.
5. If the owner or operator intends to change the calculation method that applies to a flare, the owner or operator must notify the Administrator 30 days in advance of such a change. Prior to the effective date of 40 CFR Part 63, Subpart FFFF National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing (MON MACT), waivers for monitoring consistent composition streams may be requested from the TCEQ. Direct calculation method. When calculating  $NHV_{vg}$  for a specific 15-minute block:
  - i. If the results from the first sample collected during an event (for periodic flare vent gas flow events) are not available until after the second 15-minute block starts, use the results from the first sample collected during an event for the first 15-minute block associated with that event.
  - ii. For all other cases, use the arithmetic average of all  $NHV_{vg}$  measurement data results that become available during a 15-minute block to calculate the 15-minute block average for that period. For the purpose of this requirement, use the time that the results become available rather than the time the sample was collected. For example, if a sample is collected at 12:25 a.m. and the analysis is completed at 12:38 a.m., the results are available at 12:38 a.m. and these results would be used to determine compliance during the 15-minute block period from 12:30 a.m. to 12:45 a.m.
6. When grab samples are used to determine flare vent gas composition:

- i. Use the analytical results from the first grab sample collected for an event for all 15-minute periods from the start of the event through the 15-minute block prior to the 15-minute block in which a subsequent grab sample is collected.
    - ii. Use the results from subsequent grab sampling events for all 15-minute periods starting with the 15-minute block in which the sample was collected and ending with the 15-minute block prior to the 15-minute block in which the next grab sample is collected. For the purpose of this requirement, use the time the sample was collected rather than the time the analytical results become available.
  7. If the owner or operator monitors separate gas streams that combine to comprise the total flare vent gas flow, the 15-minute block average net heating value shall be determined separately for each measurement location according to the methods in paragraphs (E)(1) - (6) and a flow-weighted average of the gas stream net heating values shall be used to determine the 15-minute block average net heating value of the cumulative flare vent gas.
- H. **Calculation methods for determining combustion zone net heating value.** The owner or operator shall determine the net heating value of the combustion zone gas ( $NHV_{cz}$ ) as specified below.
- Determine the 15-minute block average  $NHV_{cz}$  based on the 15-minute block average vent gas and assist gas flow rates using the following equation. For periods when there is no assist steam flow,  $NHV_{cz} = NHV_{vg}$  for steam-assisted flares.
- $$NHV_{cz} = \{ Q_{vg} * NHV_{vg} \} / (Q_{vg} + Q_s + Q_{a,premix})$$
- Where:
- $NHV_{cz}$  = Net heating value of combustion zone gas, Btu/scf.
  - $NHV_{vg}$  = Net heating value of flare vent gas for the 15-minute block period, Btu/scf.
  - $Q_{vg}$  = Cumulative volumetric flow of vent gas during the 15-minute block period, scf.
  - $Q_s$  = Cumulative volumetric flow of total steam during the 15-minute block period, scf.
  - $Q_{a,premix}$  = Cumulative volumetric flow of premix assist air during the 15-minute block period, scf.
- I. **Flare monitoring records.** The owner or operator shall keep the records specified below.
1. The 15-minute block average cumulative flows for flare vent gas and, if applicable, total steam, specified to be monitored, along with the date and time interval for the 15-minute block. If multiple monitoring locations are used to determine cumulative vent gas flow and total steam, then retain records of the 15-minute block average flows for each monitoring location for a minimum of 2 years, and retain the 15-minute block average cumulative flows that are used in subsequent calculations for a minimum of 5 years. If pressure and temperature monitoring is used, then retain records of the 15-minute block average temperature, pressure, and molecular weight of the flare vent gas or assist gas stream for each measurement location used to determine the 15-minute block average cumulative flows for a minimum of 2 years, and retain the 15-minute block average cumulative flows that are used in subsequent calculations for a minimum of 5 years.
  2. The flare vent gas compositions specified to be monitored. Retain records of individual component concentrations from each compositional analysis for a minimum of 2 years. If an  $NHV_{vg}$  analyzer is used, retain records of the 15-minute block average values for a minimum of 5 years.
  3. Each 15-minute block average operating parameter calculated following the methods specified, as applicable.
  4. All periods during which operating values are outside of the applicable operating limits specified when regulated material is being routed to the flare.



5. All periods during which the operator does not perform flare monitoring according to the procedures.

- J. **Reporting.** The owner or operator shall submit Periodic Reports in accordance with 30 TAC §122.145 after the end of each 6-month period when any of the information specified in this Plan is collected.  
For flares subject to the requirements of this Plan the operator must also submit a supplement to the Notification of Compliance Status within 150 days after the first applicable compliance date for flare monitoring including flare design (e.g., steam-assisted, air-assisted, non-assisted, or pressure-assisted multi-point), heat content determinations, flow rate measurements and exit velocity determinations made during the compliance determination required by § 63.120(e) of subpart G or §63.670(h), as applicable.  
The Periodic Report must include the date and start and end times for each period which does not meet this Plan's conditions, and the net heating value operating parameter(s) determined following the methods in this Plan.

## II. Requirements for flare monitoring systems

- A. **Operation of Continuous Parametric Monitoring System (CPMS).** For each CPMS installed to comply with the requirements above, the owner or operator shall install, operate, calibrate, and maintain the CPMS as specified in (1) - (7) below.
  1. All monitoring equipment in this Plan must meet the applicable minimum accuracy, calibration and quality control requirements specified in Table 2.
  2. The owner or operator shall ensure the readout (that portion of the CPMS that provides a visual display or record) or other indication of the monitored operating parameter from any CPMS required for compliance is readily accessible onsite for operational control or inspection by the operator of the source.
  3. All CPMS must complete a minimum of one cycle of operation (sampling, analyzing and data recording) for each successive 15-minute period.
  4. Except for periods of monitoring system malfunctions, repairs associated with monitoring system malfunctions and required monitoring system quality assurance or quality control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall operate all CPMS and collect data continuously at all times when regulated emissions are routed to the flare.
  5. The owner or operator shall operate, maintain, and calibrate each CPMS according to the CPMS monitoring plan specified.
  6. The owner or operator shall reduce data from a CPMS as specified.
  7. The CPMS must be capable of measuring the appropriate parameter over the range of values expected for that measurement location. The data recording system associated with each CPMS must have a resolution that is equal to or better than the required system accuracy.
- B. **CPMS monitoring plan.** The owner or operator shall develop and implement a CPMS quality control program documented in a CPMS monitoring plan that covers each flare subject to this AMOC and each CPMS installed to comply with this CPMS monitoring plan. The owner or operator shall have the CPMS monitoring plan readily available on-site at all times and shall submit a copy of the CPMS monitoring plan to the TCEQ upon request. The CPMS monitoring plan must contain the information listed in (1) - (5).
  1. Identification of the specific flare being monitored and the flare type (air-assisted only, steam-assisted only, air- and steam-assisted, pressure-assisted, or non-assisted).

2. Identification of the parameter to be monitored by the CPMS and the expected parameter range, including worst case and normal operation.
  3. Description of the monitoring equipment, including the information specified in (i) - (vii).
    - i. Manufacturer and model number for all monitoring equipment components installed to comply with applicable provisions of this CPMS monitoring plan.
    - ii. Performance specifications, as provided by the manufacturer, and any differences expected for this installation and operation.
    - iii. The location of the CPMS sampling probe or other interface and a justification of how the location meets the requirements.
    - iv. Placement of the CPMS readout, or other indication of parameter values, indicating how the location meets the requirements.
    - v. Span of the CPMS. The span of the CPMS sensor and analyzer must encompass the full range of all expected values.
    - vi. How data outside of the span of the CPMS will be handled and the corrective action that will be taken to reduce and eliminate such occurrences in the future.
    - vii. Identification of the parameter detected by the parametric signal analyzer and the algorithm used to convert these values into the operating parameter monitored to demonstrate compliance, if the parameter detected is different from the operating parameter monitored.
  4. Description of the data collection and reduction systems, including the information specified below:
    - i. A copy of the data acquisition system algorithm used to reduce the measured data into the reportable form of the standard and to calculate the applicable averages.
    - ii. Identification of whether the algorithm excludes data collected during CPMS breakdowns, out-of-control periods, repairs, maintenance periods, instrument adjustments or checks to maintain precision and accuracy, calibration checks, and zero (low-level), mid-level (if applicable) and high-level adjustments.
    - iii. If the data acquisition algorithm does not exclude data collected during CPMS breakdowns, out-of-control periods, repairs, maintenance periods, instrument adjustments or checks to maintain precision and accuracy, calibration checks, and zero (low-level), mid-level (if applicable) and high-level adjustments, a description of the procedure for excluding this data when the averages calculated as specified are determined.
  5. Routine quality control and assurance procedures, including descriptions of the procedures listed in (i) -(vi) below. The routine procedures must provide an assessment of CPMS performance.
    - i. Initial and subsequent calibration of the CPMS and acceptance criteria.
    - ii. Determination and adjustment of the calibration drift of the CPMS.
    - iii. Daily checks for indications that the system is responding. If the CPMS system includes an internal system check, the owner or operator may use the results to verify the system is responding, as long as the system provides an alarm to the owner or operator or the owner or operator checks the internal system results daily for proper operation and the results are recorded.
    - iv. Preventive maintenance of the CPMS, including spare parts inventory.
    - v. Data recording, calculations and reporting.
    - vi. Program of corrective action for a CPMS that is not operating properly.
- C. **Out-of-control periods.** For each CPMS installed to comply with applicable provisions of this Plan, the owner or operator shall comply with the out-of-control procedures described in (1) and (2) below.
1. A CPMS is out-of-control if the zero (low-level), mid-level (if applicable) or high-level calibration drift exceeds two times the accuracy requirement of Table 2.

2. When the CPMS is out-of-control, the owner or operator shall take the necessary corrective action and repeat all necessary tests that indicate the system is out-of-control. The owner or operator shall take corrective action and conduct retesting until the performance requirements are below the applicable limits. The beginning of the out-of-control period is the hour a performance check (e.g., calibration drift) that indicates an exceedance of the performance requirements established in this section is conducted. The end of the out-of-control period is the hour following the completion of corrective action and successful demonstration that the system is within the allowable limits. The owner or operator shall not use data recorded during periods the CPMS is out-of-control in data averages and calculations, used to report emissions or operating levels, as specified in paragraph (D)(3).
- D. **CPMS data reduction.** The owner or operator shall reduce data from a CPMS installed to comply with applicable provisions in this Plan as specified in (1) - (3) below.
1. The owner or operator may round the data to the same number of significant digits used in that operating limit.
  2. Periods of non-operation of the process unit (or portion thereof) resulting in cessation of the emissions to which the monitoring applies must not be included in the 15-minute block averages.
  3. Periods when the CPMS is out-of-control must not be included in the 15-minute block averages.
- E. **Additional requirements for gas chromatographs.** For monitors used to determine compositional analysis for net heating value per § 63.670(j)(1), the gas chromatograph must also meet the requirements of (1) through (3):
1. The quality assurance requirements are in Table 2.
  2. The calibration gases must meet one of the following options:
    - i. The owner or operator must use a calibration gas or multiple gases that include all of compounds listed in (a) – (k) of this section that may be reasonably expected to exist in the flare gas stream and optionally include any of the compounds listed in paragraphs (l) – (o) of this section. All of the calibration gases may be combined in one cylinder. If multiple calibration gases are necessary to cover all compounds, the owner or operator must calibrate the instrument on all of the gases.
      - (a) Hydrogen.
      - (b) Methane.
      - (c) Ethane.
      - (d) Ethylene.
      - (e) Propane.
      - (f) Propylene.
      - (g) n-Butane.
      - (h) iso-Butane.
      - (i) Butene (general). It is not necessary to separately speciate butene isomers, but the net heating value of trans-butene must be used for co-eluting butene isomers.
      - (j) 1,3-Butadiene. It is not necessary to separately speciate butadiene isomers, but you must use the response factor and net heating value of 1,3-butadiene for co-eluting butadiene isomers.
      - (k) n-Pentane. Use the response factor for n-pentane to quantify all C5+ hydrocarbons.
      - (l) Acetylene (optional).
      - (m) Carbon monoxide (optional).
      - (n) Propadiene (optional).
      - (o) Hydrogen sulfide (optional).

- ii. The owner or operator must use a surrogate calibration gas consisting of hydrogen and C1 through C5 normal hydrocarbons. All of the calibration gases may be combined in one cylinder. If multiple calibration gases are necessary to cover all compounds, the owner or operator must calibrate the instrument on all of the gases.
- 3. If the owner or operator chooses to use a surrogate calibration gas under paragraph (E)(2)(ii), the owner or operator must comply with the following:
  - i. Use the response factor for the nearest normal hydrocarbon (i.e., n-alkane) in the calibration mixture to quantify unknown components detected in the analysis.
  - ii. Use the response factor for n-pentane to quantify unknown components detected in the analysis that elute after n-pentane.

### III. Recordkeeping

- A. The owner or operator of a flare subject to this AMOC Plan shall keep copies of all applicable reports and records required by this AMOC Plan for at least 5 years except as otherwise specified.
- B. All applicable records shall be maintained in such a manner that are up-to-date and readily accessible within 24 hours. Records may be maintained in hard copy or computer-readable form including, but not limited to, on paper, microfilm, computer, flash drive, floppy disk, magnetic tape, or microfiche.

### IV. Terms

- A. *Assist steam* All steam that intentionally is introduced prior to or at a flare tip through nozzles or other hardware conveyance for the purposes including, but not limited to, protecting the design of the flare tip, promoting turbulence for mixing or inducing air into the flame. Assist steam includes, but is not necessarily limited to, center steam, lower steam and upper steam.
- B. *Center steam* The portion of assist steam introduced into the stack of a flare to reduce burnback.
- C. *Combustion Efficiency or CE* Combustion Efficiency means a flare's efficiency in converting the organic carbon compounds found in combustion zone gas to carbon dioxide.
- D. *Combustion zone* The area of the flare flame where the combustion zone gas combines for combustion.
- E. *Combustion zone gas* All gases and vapors found just after a flare tip. This gas includes all flare vent gas, total steam, and premix air.
- F. *Continuous record* Documentation, either in hard copy or computer readable form, of data values measured at least once every hour and recorded at the frequency specified.
- G. *Continuous recorder* A data recording device recording an instantaneous data value or an average data value at least once every hour.
- H. *Flare* A combustion device lacking an enclosed combustion chamber that uses an uncontrolled volume of ambient air to burn gases. For the purposes of this rule, the definition of flare includes, but is not necessarily limited to, air-assisted flare, steam-assisted flare and non-assisted flare.
- I. *Flare purge gas* Gas introduced between a flare header's water seal and the flare tip to prevent oxygen infiltration (backflow) into the flare tip or for other safety reasons. For a flare with no water seal, the function of flare purge gas is performed by flare sweep gas and, therefore, by definition, such a flare has no flare purge gas.
- J. *Supplemental gas* All gas introduced to the flare to improve the heat content of combustion zone gas. Flare supplemental gas does not include assist air or assist steam.

K.	<i>Flare sweep gas</i>	For a flare with a flare gas recovery system, the gas intentionally introduced into the flare header system to maintain a constant flow of gas through the flare header in order to prevent oxygen buildup in the flare header; flare sweep gas in these flare is introduced prior to and recovered by the flare gas recovery system. For a flare without a flare gas recovery system, flare sweep gas means the gas intentionally introduced into the flare header system to maintain a constant flow of gas through the flare header and out the flare tip in order to prevent oxygen buildup in the flare header and to prevent oxygen infiltration (backflow) into the flare tip.
L.	<i>Flare vent gas</i>	All gas found just prior to the flare tip. This gas includes all flare waste gas (i.e., gas from facility operations that is directed to a flare for the purpose of disposing of the gas), that portion of flare sweep gas that is not recovered, flare purge gas and flare supplemental gas, but does not include pilot gas, total steam or assist air.
M.	<i>Flow indicator</i>	A device that indicates whether gas is flowing, or whether the valve position would allow gas to flow, in a line.
N.	<i>Lower steam</i>	The portion of assist steam piped to an exterior annular ring near the lower part of a flare tip, which then flows through tubes to the flare tip, and ultimately exits the tubes at the flare tip.
O.	<i>Net heating value</i>	The energy released as heat when a compound undergoes complete combustion with oxygen to form gaseous carbon dioxide and gaseous water (also referred to as lower heating value).
P.	<i>Pilot gas</i>	Gas introduced into a flare tip that provides a flame to ignite the flare vent gas.
Q.	<i>Regulated material</i>	Any stream associated with emission sources listed in this AMOC Plan required to meet control requirements under this Plan as well as any stream for which this Plan specifies that the requirements for flare control devices in this AMOC Plan must be met.
R.	<i>Total steam</i>	The total of all steam that is supplied to a flare and includes, but is not limited to, lower steam, center steam and upper steam.
S.	<i>Upper steam</i>	The portion of assist steam introduced via nozzles located on the exterior perimeter of the upper end of the flare tip.
V.	<b>Federal Overlap</b>	At any time, the owner or operator may elect to comply with any provision the MON MACT specifying an alternative to compliance with 40 CFR § 60.18 for flare in lieu of complying with the requirements of Sections I–IV of this Plan. The owner or operator shall provide written notification to the TCEQ Executive Director no later than 30 days prior to such transition in compliance option.
VI.	<b>Void</b>	Following the effective date of any future amendments to applicable requirements of 30 TAC Chapter 115 which specify work practice requirements for flare that apply in lieu of 40 CFR § 60.18, the owner or operator may request this Plan to be voided.

**Table 1 – Individual Component Properties**

<b>Component</b>	<b>Molecular Formula</b>	<b>MW<sub>i</sub> (lb/lb mol)</b>	<b>CMN<sub>i</sub> (mol/mol)</b>	<b>NHV<sub>i</sub> (Btu/scf)</b>	<b>LFL<sub>i</sub> (volume %)</b>
Acetylene	C <sub>2</sub> H <sub>2</sub>	26.04	2	1404	2.5
Benzene	C <sub>6</sub> H <sub>6</sub>	78.11	6	3591	1.3
1,2-Butadiene	C <sub>4</sub> H <sub>6</sub>	54.09	4	2794	2.0
1,3-Butadiene	C <sub>4</sub> H <sub>6</sub>	54.09	4	2690	2.0
Iso-Butane	C <sub>4</sub> H <sub>10</sub>	58.12	4	2957	1.8
n-Butane	C <sub>4</sub> H <sub>10</sub>	58.12	4	2968	1.8
cis-Butene	C <sub>4</sub> H <sub>8</sub>	56.11	4	2830	1.6
iso-Butene	C <sub>4</sub> H <sub>8</sub>	56.11	4	2928	1.8
trans-Butene	C <sub>4</sub> H <sub>8</sub>	56.11	4	2826	1.7
Carbon Dioxide	CO <sub>2</sub>	44.01	1	0	8
Carbon Monoxide	CO	28.01	1	316	12.5
Cyclopropane	C <sub>3</sub> H <sub>6</sub>	42.08	3	2185	2.4
Ethane	C <sub>2</sub> H <sub>6</sub>	30.07	2	1595	3.0
Ethylene	C <sub>2</sub> H <sub>4</sub>	28.05	2	1477	2.7
Hydrogen	H <sub>2</sub>	2.02	0	1212*	4.0
Hydrogen Sulfide	H <sub>2</sub> S	34.08	0	587	4.0
Methane	CH <sub>4</sub>	16.04	1	896	5.0
Methyl-Acetylene	C <sub>3</sub> H <sub>3</sub>	40.06	3	2088	1.7
Nitrogen	N <sub>2</sub>	28.01	0	0	8
Oxygen	O <sub>2</sub>	32.00	0	0	8
Pentane+ (C5+)	C <sub>5</sub> H <sub>12</sub>	72.15	5	3655	1.4
Propadiene	C <sub>3</sub> H <sub>4</sub>	40.06	3	2066	2.16
Propane	C <sub>3</sub> H <sub>8</sub>	44.10	3	2281	2.1
Propylene	C <sub>3</sub> H <sub>6</sub>	42.08	3	2150	2.4
Water	H <sub>2</sub> O	18.02	0	0	8

\* The theoretical net heating value for hydrogen is 274 Btu/scf, but for the purposes of the flare requirement in this Plan, a net heating value of 1,212 Btu/scf shall be used.

**Table 2 – Calibration and Quality Control Requirements  
for Continuous Parametric Monitoring Systems**

<b>Parameter</b>	<b>Minimum Accuracy</b>	<b>Calibration Requirements</b>
Temperature	±1 percent over the normal range of temperature measured, expressed in degrees Celsius (C), or 2.8° C, whichever is greater	Conduct calibration checks at least annually; conduct calibration checks following any period of more than 24 hours throughout which the temperature exceeded the manufacturer's specified maximum rated temperature or install a new temperature sensor. At least quarterly, inspect all components for integrity and all electrical connections for continuity, oxidation, and galvanic corrosion, unless the CPMS has a redundant temperature sensor.
		Record the results of each calibration check and inspection.
		Locate the temperature sensor in a position that provides a representative temperature; shield the temperature sensor system from electromagnetic interference and chemical contaminants.
Flow Rate for All Flows Other Than Flare Vent Gas	±5 percent over the normal range of flow measured or 1.9 liters per minute (0.5 gallons per minute), whichever is greater, for liquid flow	Conduct a flow sensor calibration check at least biennially (every two years); conduct a calibration check following any period of more than 24 hours throughout which the flow rate exceeded the manufacturer's specified maximum rated flow rate or install a new flow sensor.
	±5 percent over the normal range of flow measured or 280 liters per minute (10 cubic feet per minute), whichever is greater, for gas flow	At least quarterly, inspect all components for leakage, unless the CPMS has a redundant flow sensor.
	±5 percent over the normal range measured for mass flow	Record the results of each calibration check and inspection. Locate the flow sensor(s) and other necessary equipment (such as straightening vanes) in a position that provides representative flow; reduce swirling flow or abnormal velocity distributions due to upstream and downstream disturbances.
Flare Vent Gas Flow Rate	±20 percent of flow rate at velocities ranging from 0.03 to 0.3 meters per second (0.1 to 1 feet per second)	Conduct a flow sensor calibration check at least biennially (every two years); conduct a calibration check following any period of more than 24 hours throughout which the flow rate exceeded the manufacturer's specified maximum rated flow rate or install a new flow sensor. At least quarterly, inspect all components for leakage, unless the CPMS has a redundant flow sensor.
	±5 percent of flow rate at velocities greater than 0.3 meters per	Record the results of each calibration check and inspection.

Parameter	Minimum Accuracy	Calibration Requirements
	second (1 feet per second)	Locate the flow sensor(s) and other necessary equipment (such as straightening vanes) in a position that provides representative flow; reduce swirling flow or abnormal velocity distributions due to upstream and downstream disturbances.
Pressure	± 5 percent over the normal operating range or 0.12 kilopascals (0.5 inches of water column), whichever is greater	Review pressure sensor readings at least once a week for straightline (unchanging) pressure and perform corrective action to ensure proper pressure sensor operation if blockage is indicated. Using an instrument recommended by the sensor's manufacturer, check gauge calibration and transducer calibration annually; conduct calibration checks following any period of more than 24 hours throughout which the pressure exceeded the manufacturer's specified maximum rated pressure or install a new pressure sensor.
		At least quarterly, inspect all components for integrity, all electrical connections for continuity, and all mechanical connections for leakage, unless the CPMS has a redundant pressure sensor.
		Record the results of each calibration check and inspection.
		Locate the pressure sensor(s) in a position that provides a representative measurement of the pressure and minimizes or eliminates pulsating pressure, vibration, and internal and external corrosion.
Net Heating Value by Calorimeter	± 2 percent of span	Specify calibration requirements in your site specific CPMS monitoring plan. Calibration requirements should follow manufacturer's recommendations at a minimum. Temperature control (heated and/or cooled as necessary) the sampling system to ensure proper year-round operation.
		Where feasible, select a sampling location at least two equivalent diameters downstream from and 0.5 equivalent diameters upstream from the nearest disturbance. Select the sampling location at least two equivalent duct diameters from the nearest control device, point of pollutant generation, air in-leakages, or other point at which a change in the pollutant concentration or emission rate occurs.
Net Heating Value by Gas Chromatograph	As specified in Performance Specification 9 of 40 CFR part 60, appendix B	Follow the procedure in Performance Specification 9 of 40 CFR part 60, appendix B, except that a single daily mid-level calibration check can be used (rather than triplicate analysis), the multi-point calibration can be conducted quarterly (rather than monthly), and the sampling line temperature must be maintained at a minimum temperature of 60 °C (rather than 120 °C).



Attachment F

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, PAL15, and GHGPSDTX176

Page 15

Parameter	Minimum Accuracy	Calibration Requirements
Hydrogen analyzer	$\pm 2$ percent over the concentration measured or 0.1 volume percent, whichever is greater	Specify calibration requirements in your site specific CPMS monitoring plan. Calibration requirements should follow manufacturer's recommendations at a minimum.
		Where feasible, select the sampling location at least two equivalent duct diameters from the nearest control device, point of pollutant generation, air in-leakages, or other point at which a change in the pollutant concentration occurs.

Date: December 18, 2020

# Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 83702, PSDTX843M2, PSDTX860M2, and PAL15

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

## Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
PAL VOC (6)	PAL VOC	PAL (VOC)	-	495.36
PAL PM (6)	PAL PM	PAL (PM)	-	226.03
		PAL (PM <sub>10</sub> )	-	226.03
PAL PM <sub>2.5</sub> (6)	PAL PM <sub>2.5</sub>	PAL (PM <sub>2.5</sub> )	-	221.03
PAL SO <sub>2</sub> (6)	PAL SO <sub>2</sub>	PAL (SO <sub>2</sub> )	-	56.40
PAL H <sub>2</sub> S (6)	PAL H <sub>2</sub> S	PAL (H <sub>2</sub> S)	-	10.02
CGOST (6)	Catalyst, Gear Oil, and Synthetics Tanks	VOC	-	106.47
		PM	0.02	0.01
		PM <sub>10</sub>	0.02	0.01
		PM <sub>2.5</sub>	0.02	0.01
		H <sub>2</sub> S	0.01	0.01
		HCl	0.39	1.54
		HNO <sub>3</sub>	-	0.01
		NH <sub>4</sub> NO <sub>3</sub>	-	0.04
AOMSSFL (6)	Aromatics and Olefins MSS Flaring	VOC	3567.34	93.38
		SO <sub>2</sub>	160.06	1.12
		H <sub>2</sub> S	2.29	0.01
		NO <sub>x</sub>	933.86	19.70
		CO	4154.48	100.59

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
MSSAE (6)	MSS Atmospheric Emissions	VOC	518.88	61.25
		SO <sub>2</sub>	0.05	0.01
		H <sub>2</sub> S	0.01	0.01
		NO <sub>x</sub>	32.60	0.11
		CO	48.94	1.29
		NH <sub>3</sub>	3.14	0.13
		H <sub>2</sub> SO <sub>4</sub>	0.93	0.01
		PM	1.20	0.17
		PM <sub>10</sub>	1.20	0.17
		PM <sub>2.5</sub>	1.20	0.17
02TFX_548	T-548 Wastewater Equalization Tank	NH <sub>4</sub> NO <sub>3</sub>	0.09	0.04
02TFX_557	Nitric Acid Tank T-557	HNO <sub>3</sub>	0.01	0.01
02TFX_563	Crude Product Solution Tank T-563	VOC	1.25	5.48
02TFX_588	Tank T-588	VOC	0.07	0.31
02TFX_598	Wastewater Tank T-598	VOC	0.01	0.04
02TFX_6218	Propylene Glycol Tank D-6218	VOC	1.36	5.96
02TFX_6321	F-6321 Wastewater Equalization Tank	NH <sub>4</sub> NO <sub>3</sub>	0.01	0.04
02TFX_6322	F-6322 Storage Tank	NH <sub>4</sub> NO <sub>3</sub>	0.01	0.04
02TFX_6323	F-6323 Storage Tank	NH <sub>4</sub> NO <sub>3</sub>	0.09	0.04
02TOT_126	Decanter T-126	VOC	0.29	1.27
02TOT_138	T-138 Decanter	VOC	0.29	1.27
02TOT_6602	Decanter F6602	VOC	0.72	3.17
02TOT_6607	Decanter F6607	VOC	0.72	3.17
02TOT_6629	Floc Vessel F6629	VOC	0.83	3.64
02TOT_510	T-510 Decanter	VOC	0.29	1.27
02TOT_511	T-511 Decanter	VOC	0.29	1.27
02TOT_512	T-512 Decanter	VOC	0.16	0.70
02TOT_513	T-513 Decanter	VOC	0.29	1.27
02TOT_541	HOC Tank T-541	VOC	0.83	3.64

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
02TOT_6544	Belt Filter Floc Tank F-6544	VOC	0.83	3.64
02TOT_6603	Decanter F-6603	VOC	0.72	3.17
02TOT_6604	Decanter F-6604	VOC	0.72	3.17
02TOT_6605	Decanter F-6605	VOC	0.72	3.17
02TOT_6606	Decanter F-6606	VOC	0.72	3.17
02TOT_6625	Seed Vessel F-6625	VOC	0.01	0.04
02TOT_6628	Floc Vessel F-6628	VOC	0.83	3.64
05TCS_101	WT-101	VOC	0.06	0.26
05TCS_104	WT-104	VOC	0.07	0.31
05TCS_107	WT-107	VOC	0.06	0.26
05TCS_108	WT-108	VOC	0.10	0.44
05TCS_3015	WT-3015	VOC	1.10	4.82
05TCS_614	T614	VOC	0.02	0.09
05TFX_102	WT-102	VOC	0.11	0.48
05TFX_103	WT-103	VOC	0.18	0.79
05TFX_105	WT-105	VOC	0.84	3.68
05TFX_106	WT-106	VOC	0.01	0.04
05TFX_121	WV-121	VOC	0.01	0.04
05TFX_122	WV-122	VOC	0.01	0.04
05TFX_130	WT-130	VOC	1.63	7.14
05TFX_3016	F-3016	VOC	15.66	68.58
05TFX_3017	F-3017	VOC	0.03	0.13
05TFX_3018	D-3018	VOC	0.01	0.04
05TFX_3019	D-3019	VOC	0.01	0.04
05TFX_3030	F-3030	VOC	16.02	70.18
05TFX_3031	F-3031	VOC	9.41	41.22
05TFX_411	T-411	VOC	0.16	0.70
05TFX_415	T-415	VOC	0.76	3.33
05TFX_427	T-427	VOC	0.79	3.46

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
05TFX_429	T-429	VOC	0.45	1.97
05TFX_430	T-430	VOC	0.45	1.97
05TFX_442	T-442	VOC	7.27	31.84
05TFX_8100	F-8100	VOC	0.01	0.04
05TOT_120	WV-120	VOC	0.75	3.30
05VSL_123	WV-123	VOC	0.19	0.83
07DTC_7103	Lime Treat V-103 Slurry Vessel	VOC	0.06	0.28
07TFX_107R	TankT-107R	VOC	7.34	32.15
07TFX_113	Tank T-113	VOC	12.25	53.63
07TFX_115R	Tank T-115R	VOC	7.51	32.87
07TFX_7129	Tank F-7129	VOC	29.93	106.47
07TFX_132	Feed Day Tank T-132	VOC	0.14	0.63
07TFX_134	Tank 134	VOC	0.31	1.38
07TFX_137R	Tank T-137R	VOC	10.03	43.95
07TFX_151	Solvent Recycle Tank V-151	VOC	1.39	6.10
07TFX_248	Product Storage Tank V-248	VOC	0.38	1.68
07TFX_405	Solvent Day Tank T-405	VOC	0.01	0.04
07TFX_407	Solvent storage Tank T-407	VOC	1.42	6.22
07TFX_408	Tank T-408	VOC	0.10	0.46
07TFX_426	Tank T426	VOC	23.57	103.26
07TFX_428	Tank T-428	VOC	29.5	106.47
07TFX_431	Tank T-431	VOC	21.00	91.96
07TFX_432	TankT-432	VOC	11.21	49.11
07TFX_433	Tank T-433	VOC	21.00	91.96
07TFX_434	Tank T-434	VOC	5.61	24.58
07TFX_435	Tank T-435	VOC	15.50	67.87
07TFX_436	Tank T-436	VOC	5.61	24.58
07TFX_443	Tank T-443	VOC	4.73	20.73
07TFX_444	Tank T-444	VOC	6.87	30.10

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
07TFX_445	TankT-445	VOC	0.89	3.88
07TFX_446	Tank T-446	VOC	9.52	41.68
07TFX_447	Tank T-447	VOC	6.89	30.18
07TFX_448	Tank T-448	VOC	1.57	6.88
07TFX_504	Tank F-504	VOC	0.02	0.09
07TFX_521	Tank T-521	VOC	4.34	19.01
07TFX_527	Hydro Feed Tank V-527	VOC	31.20	106.80
07TFX_600	Tank T-600	VOC	0.02	0.09
07TFX_601R	Tank T-601R	VOC	9.35	40.94
07TFX_602	Tank T-602	VOC	16.59	72.66
07TFX_603R	Tank T-603R and Scrubber C-205	VOC	20.30	88.91
07TFX_604	Tank T-604	VOC	3.00	13.16
07TFX_605	Tank F-605	VOC	0.02	0.09
07TFX_607	Tank T-607	VOC	0.04	0.17
07TFX_615	Tank T-615	VOC	0.01	0.04
07TFX_625	Filter Re-Coat Tank V-625	VOC	1.36	5.96
07TFX_7120	Tank F-7120	VOC	22.58	98.88
07TFX_7599	Tank T-7599	VOC	0.08	0.34
07TFX_7600	Tank F-7600	VOC	0.57	2.48
07TIF_7800	TankF-7800	VOC	0.42	1.93
07TFX_7801	Tank F-7801	VOC	3.56	15.68
07TFX_8061	Tank F-8061	VOC	4.56	19.97
07TIF_7502	Tank F-7502	VOC	0.84	3.69
07TOT_103	Lime Treat V-103 Slurry vessel	VOC	0.01	0.06
07TOT_148	Filter Pre Coat Tank T-148	VOC	0.33	1.45
07TOT_151	Filter pre Coat Tank T-146	VOC	0.52	2.28
07TOT_232	Vessel V-232 Filteraid	VOC	0.04	0.16
07TOT_7570	Filter Pre-Coat Tank T-7570	VOC	4.91	21.52
01CAS_3536	Carbon Adsorption System	VOC	2.83	6.20

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
01CAS_037	Carbon Adsorption System	VOC	4.30	0.13
01CAS_038	Carbon Adsorption System	VOC	4.30	0.13
01CTL_002	Cooling Tower No. 2	VOC	0.63	2.76
		PM	3.05	13.36
		PM <sub>10</sub>	3.05	13.36
		PM <sub>2.5</sub>	3.05	13.36
01DEG_001	Aromatics Degreaser NO. 1	VOC	0.15	0.65
01DEG_002	Aromatics Degreaser NO. 2	VOC	0.15	0.65
01DEG_003	Aromatics Degreaser NO. 3	VOC	0.15	0.65
01DEG_005	Aromatics Degreaser NO. 5	VOC	0.15	0.65
01FUG_001	Process Fugitives (5)	VOC	0.92	3.95
01HTR_301	Heater B-301	NO <sub>x</sub>	0.79	3.48
		CO	0.67	2.92
		SO <sub>2</sub>	0.01	0.02
		VOC	0.04	0.19
		PM	0.06	0.26
		PM <sub>10</sub>	0.06	0.26
		PM <sub>2.5</sub>	0.06	0.26
		H <sub>2</sub> S	0.01	0.01
01VNT_01N	Analyzer Vent	VOC	0.01	0.01
01VNT_01S	Analyzer Vent	VOC	0.01	0.01
01VNT_104	Hydrotreater Converter Regenerator Vent	NO <sub>x</sub>	0.01	0.01
		CO	0.08	0.01
		SO <sub>2</sub>	0.02	0.01
		VOC	0.66	0.03
		PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
		PM <sub>2.5</sub>	0.01	0.01
		H <sub>2</sub> S	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
02ABT_325	Abator A-325	NO <sub>x</sub>	6.37	10.03
		CO	5.11	4.65
		SO <sub>2</sub>	0.10	0.46
		VOC	7.24	3.15
		PM	0.62	2.81
		PM <sub>10</sub>	0.62	2.81
		PM <sub>2.5</sub>	0.62	2.81
		H <sub>2</sub> S	0.01	0.01
		NH <sub>3</sub>	1.17	0.38
02BAG_517	A-517-1 Baghouse	PM	0.06	0.30
		PM <sub>10</sub>	0.06	0.30
		PM <sub>2.5</sub>	0.06	0.30
02BAG_563	A-563/A-564 Baghouse	PM	0.14	0.61
		PM <sub>10</sub>	0.14	0.61
		PM <sub>2.5</sub>	0.14	0.61
02BAG_573	Baghouse A-573	PM	0.35	1.59
		PM <sub>10</sub>	0.35	1.59
		PM <sub>2.5</sub>	0.35	1.59
02BAG_574	Baghouse A-574	PM	0.87	3.86
		PM <sub>10</sub>	0.87	3.86
		PM <sub>2.5</sub>	0.87	3.86
02BAG_590	F-590 Belt Filter	VOC	0.02	0.09
		NH <sub>3</sub>	0.04	0.15
02BAG_6302	M-6302 Bag Filter	PM	0.05	0.23
		PM <sub>10</sub>	0.05	0.23
		PM <sub>2.5</sub>	0.05	0.23
02BAG_6306	M-6306 Bag Filter	PM	0.03	0.13
		PM <sub>10</sub>	0.03	0.13
		PM <sub>2.5</sub>	0.03	0.13



Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
02DTC_313	Dust Collector F-313	PM	0.05	0.01
		PM <sub>10</sub>	0.05	0.01
		PM <sub>2.5</sub>	0.05	0.01
02DTC_6260	Dust Collector M-6260	PM	0.86	2.57
		PM <sub>10</sub>	0.86	2.57
		PM <sub>2.5</sub>	0.86	2.57
02DTC_6402	F-6402 Dust Collector	PM	0.51	2.25
		PM <sub>10</sub>	0.51	2.25
		PM <sub>2.5</sub>	0.51	2.25
02ERS_6389	ERS B-6389	NO <sub>x</sub>	55.85	17.39
		CO	7.26	16.82
		SO <sub>2</sub>	0.62	2.70
		VOC	16.84	3.58
		PM	2.89	2.43
		PM <sub>10</sub>	2.89	2.43
		PM <sub>2.5</sub>	2.89	2.43
		H <sub>2</sub> S	0.01	0.03
		NH <sub>3</sub>	5.90	3.12
02FIL_211	T-546-2/T-580-2-Baghouse	PM	0.05	0.25
		PM <sub>10</sub>	0.05	0.25
		PM <sub>2.5</sub>	0.05	0.25
02FUG_001	Catalyst Process Fugitive Area (5)	VOC	0.71	3.10
		PM	0.15	0.65
		PM <sub>10</sub>	0.15	0.65
		PM <sub>2.5</sub>	0.15	0.65
		NH <sub>3</sub>	0.22	0.80
02FUG_003	Offsites Fugitives (5)	VOC	6.00	4.99

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
02HTR_302	Heater H-302	NO <sub>x</sub>	0.35	0.42
		CO	0.31	0.35
		SO <sub>2</sub>	0.05	0.05
		VOC	0.02	0.02
		PM	0.02	0.03
		PM <sub>10</sub>	0.02	0.03
		PM <sub>2.5</sub>	0.02	0.03
		H <sub>2</sub> S	0.01	0.01
02HTR_500	H-500 Heater	NO <sub>x</sub>	0.35	0.42
		CO	0.31	0.35
		SO <sub>2</sub>	0.05	0.05
		VOC	0.02	0.02
		PM	0.02	0.03
		PM <sub>10</sub>	0.02	0.03
		PM <sub>2.5</sub>	0.02	0.03
		H <sub>2</sub> S	0.01	0.01
02HTR_501	H-501 Heater	NO <sub>x</sub>	0.35	0.42
		CO	0.31	0.35
		SO <sub>2</sub>	0.05	0.05
		VOC	0.02	0.02
		PM	0.02	0.03
		PM <sub>10</sub>	0.02	0.03
		PM <sub>2.5</sub>	0.02	0.03
		H <sub>2</sub> S	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
02HTR_622	Superheater B-6223	NO <sub>x</sub>	0.18	0.79
		CO	0.25	1.08
		SO <sub>2</sub>	0.04	0.17
		VOC	0.02	0.07
		PM	0.02	0.10
		PM <sub>10</sub>	0.02	0.10
		PM <sub>2.5</sub>	0.02	0.10
		H <sub>2</sub> S	0.01	0.01
02HTR_632	Superheater B-6369	NO <sub>x</sub>	0.22	0.90
		CO	0.30	1.24
		SO <sub>2</sub>	0.05	0.20
		VOC	0.02	0.08
		PM	0.03	0.11
		PM <sub>10</sub>	0.03	0.11
		PM <sub>2.5</sub>	0.03	0.11
		H <sub>2</sub> S	0.01	0.01
02HTR_635	Superheater B-6359	NO <sub>x</sub>	0.22	0.90
		CO	0.30	1.24
		SO <sub>2</sub>	0.05	0.20
		VOC	0.02	0.08
		PM	0.03	0.11
		PM <sub>10</sub>	0.03	0.11
		PM <sub>2.5</sub>	0.03	0.11
		H <sub>2</sub> S	0.01	0.01
02PUM_593	P-593 Vacuum Pump	VOC	0.09	0.38
		NH <sub>3</sub>	0.86	3.67

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
02SCB_3167	Scrubbers A-316/A-317	VOC	0.62	2.51
		NH <sub>3</sub>	0.74	0.90
02TOX_6240	Thermal Oxidizer B-6240	NO <sub>x</sub>	6.00	4.34
		CO	7.43	3.65
		SO <sub>2</sub>	0.04	0.10
		VOC	0.92	0.15
		PM	2.70	7.16
		PM <sub>10</sub>	2.70	7.16
		PM <sub>2.5</sub>	2.70	7.16
		H <sub>2</sub> S	0.01	0.01
		Silicones	0.28	0.04
02VNT_257	Calciner V-257	PM	1.15	0.08
		PM <sub>10</sub>	1.15	0.08
		PM <sub>2.5</sub>	1.15	0.08
		NH <sub>3</sub>	0.01	0.01
02VNT_502	Calciner V-502	PM	1.15	0.08
		PM <sub>10</sub>	1.15	0.08
		PM <sub>2.5</sub>	1.15	0.08
		NH <sub>3</sub>	0.01	0.01
02VNT_520	Calciner V-520	PM	1.15	0.08
		PM <sub>10</sub>	1.15	0.08
		PM <sub>2.5</sub>	1.15	0.08
		NH <sub>3</sub>	0.01	0.01
03FUG_001	Cyclohexane Unit Fugitives (5)	VOC	2.27	4.97
04CAS_033	Ethylene Unit Carbon Canisters	VOC	0.49	1.08
04CAS_034	Ethylene Unit Carbon Canisters	VOC	0.49	1.08

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
04CTL_001	Cooling Tower No. 1	VOC	4.20	18.40
		PM	19.53	85.52
		PM <sub>10</sub>	19.53	85.52
		PM <sub>2.5</sub>	19.53	85.52
04FUG_001	Ethylene Unit Fugitives (5)	VOC	10.80	47.40
04FUG_003	RGCB Fugitives (5)	VOC	4.55	19.94
04HTR_201	B-201 Drier Regen. Gas Heater	NO <sub>x</sub>	1.26	5.52
		CO	0.61	2.66
		SO <sub>2</sub>	0.01	0.07
		VOC	0.10	0.22
		PM	0.28	1.22
		PM <sub>10</sub>	0.28	1.22
		PM <sub>2.5</sub>	0.28	1.22
		H <sub>2</sub> S	0.01	0.01
04HTR_401	B-401 Acetylene Regen. Gas Heater	NO <sub>x</sub>	1.20	2.63
		CO	0.52	1.14
		SO <sub>2</sub>	0.01	0.05
		VOC	0.06	0.14
		PM	0.15	0.65
		PM <sub>10</sub>	0.15	0.65
		PM <sub>2.5</sub>	0.15	0.65
		H <sub>2</sub> S	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
04HTR_403	B-403 Rerun Tower Reboiler	NO <sub>x</sub>	1.33	5.82
		CO	0.64	2.81
		SO <sub>2</sub>	0.01	0.07
		VOC	0.05	0.23
		PM	0.29	1.29
		PM <sub>10</sub>	0.29	1.29
		PM <sub>2.5</sub>	0.29	1.29
		H <sub>2</sub> S	0.01	0.01
04TFX_3269	Condensate Stripper Antifoulant Tank	VOC	0.41	0.01
04VNT_103	Acetylene/MAPD Converter Regenerator Vent	NO <sub>x</sub>	0.07	0.01
		CO	1.02	0.15
		VOC	8.32	0.55
		PM	0.02	0.01
		PM <sub>10</sub>	0.02	0.01
		PM <sub>2.5</sub>	0.02	0.01
05FUG_001	Fugitive (5)	VOC	5.95	5.93
		PM	0.16	0.01
		PM <sub>10</sub>	0.16	0.01
		PM <sub>2.5</sub>	0.16	0.01
05FUG_002	Loading Fugitives (5)	VOC	5.30	0.98
06DEG_001	Olefins Degreaser	VOC	0.10	0.22
06DEG_002	Olefins Degreaser	VOC	0.10	0.22
06TFX_4051	USC-1 Aqueous Amine Tank	VOC	0.04	0.05
06TFX_4052	USC-2 Aqueous Amine Tank	VOC	0.21	0.01
07CTL_001	BCSP Main Plant Cooling Tower	VOC	0.17	0.74
		PM	0.81	3.56
		PM <sub>10</sub>	0.81	3.56
		PM <sub>2.5</sub>	0.81	3.56

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
07CTL_002	BCSP West Plant Cooling Tower	VOC	0.02	0.09
		PM	0.10	0.45
		PM <sub>10</sub>	0.10	0.45
		PM <sub>2.5</sub>	0.10	0.45
07FUG_001	PAO Fugitives (5)	VOC	7.60	15.12
		PM	0.08	0.57
		PM <sub>10</sub>	0.08	0.57
		PM <sub>2.5</sub>	0.08	0.57
07FUG_002	PAO Loading Emissions (5)	VOC	25.86	6.95
07FUG_003	HVI Fugitive Emissions (5)	VOC	0.82	3.99
07HTR_7701	Heater H-7701	NO <sub>x</sub>	1.44	9.81
		CO	1.03	7.77
		SO <sub>2</sub>	0.01	0.63
		VOC	0.04	0.38
		PM	0.19	1.13
		PM <sub>10</sub>	0.19	1.13
		PM <sub>2.5</sub>	0.19	1.13
		H <sub>2</sub> S	0.01	0.01
07HTR_7708	Dowtherm Heater H-7708	NO <sub>x</sub>	0.51	2.23
		CO	0.49	2.16
		SO <sub>2</sub>	0.09	0.39
		VOC	0.04	0.16
		PM	0.05	0.22
		PM <sub>10</sub>	0.05	0.22
		PM <sub>2.5</sub>	0.05	0.22
		H <sub>2</sub> S	0.01	0.01
07SCB_207	Scrubber C-207	VOC	61.39	12.36
		HCl	0.01	0.01
		BF <sub>3</sub>	0.01	0.04

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
07WWS_001	Wastewater System	VOC	11.41	9.91
08BLR_9201	Reboiler B-9201	NO <sub>x</sub>	7.23	20.50
		CO	2.89	9.11
		SO <sub>2</sub>	0.09	0.27
		VOC	0.78	2.45
		PM	0.72	2.28
		PM <sub>10</sub>	0.72	2.28
		PM <sub>2.5</sub>	0.72	2.28
		H <sub>2</sub> S	0.01	0.01
08BLR_9400	Reboiler B-9400	NO <sub>x</sub>	2.75	8.77
		CO	1.10	3.90
		SO <sub>2</sub>	0.03	0.11
		VOC	0.30	1.05
		PM	0.28	0.97
		PM <sub>10</sub>	0.28	0.97
		PM <sub>2.5</sub>	0.28	0.97
		H <sub>2</sub> S	0.01	0.01
08BLR_9401	Reboiler B-9401	NO <sub>x</sub>	15.32	48.88
		CO	6.13	24.44
		SO <sub>2</sub>	0.18	0.71
		VOC	1.65	6.58
		PM	1.53	6.11
		PM <sub>10</sub>	1.53	6.11
		PM <sub>2.5</sub>	1.53	6.11
		H <sub>2</sub> S	0.01	0.01



Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
08BLR_9402	Reboiler B-9402	NO <sub>x</sub>	2.79	7.96
		CO	1.12	3.54
		SO <sub>2</sub>	0.03	0.10
		VOC	0.30	0.95
		PM	0.28	0.88
		PM <sub>10</sub>	0.28	0.88
		PM <sub>2.5</sub>	0.28	0.88
		H <sub>2</sub> S	0.01	0.01
08CTL_9601	Cooling Tower M-9601	VOC	0.50	2.21
		PM	1.63	7.13
		PM <sub>10</sub>	1.63	7.13
		PM <sub>2.5</sub>	1.63	7.13
08FUG_001	Process Fugitives (5)	VOC	0.47	2.03
08HTR_9301	Heater B-9301	NO <sub>x</sub>	4.48	17.54
		CO	1.79	7.80
		SO <sub>2</sub>	0.05	0.23
		VOC	0.48	2.10
		PM	0.45	1.95
		PM <sub>10</sub>	0.45	1.95
		PM <sub>2.5</sub>	0.45	1.95
		H <sub>2</sub> S	0.01	0.01
08LWF_9602	Wharf Loading VCS	NO <sub>x</sub>	7.40	16.21
		CO	2.30	5.04
		SO <sub>2</sub>	0.01	0.01
		VOC	13.79	11.75
		H <sub>2</sub> S	0.01	0.01
09CAS_031	USC I Carbon Canisters	VOC	0.64	2.78

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
09CTL_003	Cooling Tower No. 3	VOC	1.05	4.60
		PM	4.55	19.94
		PM <sub>10</sub>	4.55	19.94
		PM <sub>2.5</sub>	4.55	19.94
09FRN_210A	B-2101A Furnace	NO <sub>x</sub>	10.32	44.75
		CO	10.62	32.71
		SO <sub>2</sub>	0.08	0.23
		VOC	0.70	2.14
		PM	0.96	2.96
		PM <sub>10</sub>	0.96	2.96
		PM <sub>2.5</sub>	0.96	2.96
		H <sub>2</sub> S	0.01	0.01
09FRN_210B	B-2101B Furnace	NO <sub>x</sub>	10.32	44.75
		CO	10.62	32.71
		SO <sub>2</sub>	0.08	0.23
		VOC	0.70	2.14
		PM	0.96	2.96
		PM <sub>10</sub>	0.96	2.96
		PM <sub>2.5</sub>	0.96	2.96
		H <sub>2</sub> S	0.01	0.01
09FRN_210C	B-2101C Furnace	NO <sub>x</sub>	10.32	44.75
		CO	10.62	32.71
		SO <sub>2</sub>	0.08	0.23
		VOC	0.70	2.14
		PM	0.96	2.96
		PM <sub>10</sub>	0.96	2.96
		PM <sub>2.5</sub>	0.96	2.96
		H <sub>2</sub> S	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
09FRN_210D	B-2101D Furnace	NO <sub>x</sub>	10.32	44.75
		CO	10.62	32.71
		SO <sub>2</sub>	0.08	0.23
		VOC	0.70	2.14
		PM	0.96	2.96
		PM <sub>10</sub>	0.96	2.96
		PM <sub>2.5</sub>	0.96	2.96
		H <sub>2</sub> S	0.01	0.01
09FRN_210E	B-2101E Furnace	NO <sub>x</sub>	10.32	44.75
		CO	10.62	32.71
		SO <sub>2</sub>	0.08	0.23
		VOC	0.70	2.14
		PM	0.96	2.96
		PM <sub>10</sub>	0.96	2.96
		PM <sub>2.5</sub>	0.96	2.96
		H <sub>2</sub> S	0.01	0.01
09FRN_210F	B-2101F Furnace	NO <sub>x</sub>	10.32	44.75
		CO	10.62	32.71
		SO <sub>2</sub>	0.08	0.23
		VOC	0.70	2.14
		PM	0.96	2.96
		PM <sub>10</sub>	0.96	2.96
		PM <sub>2.5</sub>	0.96	2.96
		H <sub>2</sub> S	0.01	0.01
09FUG_001	USC I Fugitives (5)	VOC	4.80	21.79
09TFX_072A	USC-1 Antifoulant Tank	VOC	0.88	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
09VNT_027	Decoking Vent B-2101 A,B,C	CO	1285.42	16.65
		SO <sub>2</sub>	0.15	0.01
		PM	69.44	1.03
		PM <sub>10</sub>	27.08	0.57
		PM <sub>2.5</sub>	27.08	0.57
		H <sub>2</sub> S	0.01	0.01
09VNT_030	Decoking Vent B-2101 D,E,F	CO	1285.42	16.65
		SO <sub>2</sub>	0.15	0.01
		PM	69.44	1.03
		PM <sub>10</sub>	27.08	0.57
		PM <sub>2.5</sub>	27.08	0.57
		H <sub>2</sub> S	0.01	0.01
10BLR_6901	B-6901 A, B 1,500 psia Boilers	NO <sub>x</sub>	99.70	317.00
		CO	8.40	20.80
		SO <sub>2</sub>	0.50	1.40
		VOC	1.50	3.60
		PM	5.00	12.20
		PM <sub>10</sub>	5.00	12.20
		PM <sub>2.5</sub>	5.00	12.20
		H <sub>2</sub> S	0.01	0.01
10CAS_032	USC II Carbon Canisters	VOC	0.39	1.73
10CTL_004	Cooling Tower No. 4	VOC	0.55	2.41
		PM	2.65	11.62
		PM <sub>10</sub>	2.65	11.62
		PM <sub>2.5</sub>	2.65	11.62

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
10FRN_610A	B-6101A Furnace	NO <sub>x</sub>	13.59	53.77
		CO	13.99	39.30
		SO <sub>2</sub>	0.10	0.40
		VOC	0.92	2.57
		PM	1.27	3.56
		PM <sub>10</sub>	1.27	3.56
		PM <sub>2.5</sub>	1.27	3.56
		H <sub>2</sub> S	0.01	0.01
10FRN_610B	B-6101B Furnace	NO <sub>x</sub>	13.59	53.77
		CO	13.99	39.30
		SO <sub>2</sub>	0.10	0.40
		VOC	0.92	2.57
		PM	1.27	3.56
		PM <sub>10</sub>	1.27	3.56
		PM <sub>2.5</sub>	1.27	3.56
		H <sub>2</sub> S	0.01	0.01
10FRN_610C	B-6101C Furnace	NO <sub>x</sub>	13.59	53.77
		CO	13.99	39.30
		SO <sub>2</sub>	0.10	0.40
		VOC	0.92	2.57
		PM	1.27	3.56
		PM <sub>10</sub>	1.27	3.56
		PM <sub>2.5</sub>	1.27	3.56
		H <sub>2</sub> S	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
10FRN_610D	B-6101D Furnace	NO <sub>x</sub>	13.59	53.77
		CO	13.99	39.30
		SO <sub>2</sub>	0.10	0.40
		VOC	0.92	2.57
		PM	1.27	3.56
		PM <sub>10</sub>	1.27	3.56
		PM <sub>2.5</sub>	1.27	3.56
		H <sub>2</sub> S	0.01	0.01
10FRN_615A	B-6151A Furnace	NO <sub>x</sub>	11.60	48.57
		CO	11.94	35.50
		SO <sub>2</sub>	0.09	0.36
		VOC	0.78	2.32
		PM	1.08	3.21
		PM <sub>10</sub>	1.08	3.21
		PM <sub>2.5</sub>	1.08	3.21
		H <sub>2</sub> S	0.01	0.01
10FRN_615B	B-6151B Furnace	NO <sub>x</sub>	11.60	48.57
		CO	11.94	35.50
		SO <sub>2</sub>	0.09	0.36
		VOC	0.78	2.32
		PM	1.08	3.21
		PM <sub>10</sub>	1.08	3.21
		PM <sub>2.5</sub>	1.08	3.21
		H <sub>2</sub> S	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
10FRN_630A	B-6301A Furnace (normal operation and hot steam standby)	NO <sub>x</sub>	19.09	66.19
		CO	12.73	44.13
		SO <sub>2</sub>	0.19	0.66
		VOC	1.84	4.53
		PM	2.55	6.27
		PM <sub>10</sub>	2.55	6.27
		PM <sub>2.5</sub>	2.55	6.27
		H <sub>2</sub> S	0.01	0.01
	B-6301A Furnace (decoking conditions)	NO <sub>x</sub>	25.46	-
10FRN_630B	B-6301B Furnace (normal operation and hot steam standby)	NO <sub>x</sub>	19.09	66.19
		CO	12.73	44.13
		SO <sub>2</sub>	0.19	0.66
		VOC	1.84	4.53
		PM	2.55	6.27
		PM <sub>10</sub>	2.55	6.27
		PM <sub>2.5</sub>	2.55	6.27
		H <sub>2</sub> S	0.01	0.01
	B-6301B Furnace (decoking conditions)	NO <sub>x</sub>	25.46	-
10FUG_001	USC II Fugitives (5)	VOC	6.29	27.80
10VNT_023	Decoking Vent B-6101 A, B	CO	1017.99	12.55
		SO <sub>2</sub>	0.11	0.01
		PM	56.62	0.80
		PM <sub>10</sub>	22.08	0.46
		PM <sub>2.5</sub>	22.08	0.46
		H <sub>2</sub> S	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
10VNT_024	Decoking Vent B-6101 C, D	CO	1017.99	12.55
		SO <sub>2</sub>	0.11	0.01
		PM	56.62	0.80
		PM <sub>10</sub>	22.08	0.46
		PM <sub>2.5</sub>	22.08	0.46
		H <sub>2</sub> S	0.01	0.01
10VNT_025	Decoking Vent B-6151 A, B	CO	856.94	10.38
		SO <sub>2</sub>	0.09	0.01
		PM	45.70	0.66
		PM <sub>10</sub>	17.82	0.38
		PM <sub>2.5</sub>	17.82	0.38
		H <sub>2</sub> S	0.01	0.01
10VNT_6301	Decoking Vent B-6301 A, B	CO	2120.82	42.55
		SO <sub>2</sub>	0.23	0.01
		PM	115.74	2.65
		PM <sub>10</sub>	45.14	1.46
		PM <sub>2.5</sub>	45.14	1.46
		H <sub>2</sub> S	0.01	0.01
11CAS_043	Movements Carbon Canisters	VOC	2.87	6.28
11ENG_039	Emergency Fire Water Pump	NO <sub>x</sub>	10.85	0.14
		CO	2.34	0.03
		SO <sub>2</sub>	0.72	0.01
		VOC	0.88	0.01
		PM	0.77	0.01
		PM <sub>10</sub>	0.77	0.01
		PM <sub>2.5</sub>	0.77	0.01
		H <sub>2</sub> S	0.01	0.01



Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
11ENG_040	Emergency Fire Water Pump (26 hours per year)	NO <sub>x</sub>	11.78	0.15
		CO	2.54	0.03
		SO <sub>2</sub>	0.78	0.01
		VOC	0.95	0.01
		PM	0.84	0.01
		PM <sub>10</sub>	0.84	0.01
		PM <sub>2.5</sub>	0.84	0.01
		H <sub>2</sub> S	0.01	0.01
11ENG_057	Emergency Fire Water Pump (26 hours per year)	NO <sub>x</sub>	16.18	0.21
		CO	3.49	0.05
		SO <sub>2</sub>	1.07	0.01
		VOC	1.31	0.02
		PM	1.15	0.01
		PM <sub>10</sub>	1.15	0.01
		PM <sub>2.5</sub>	1.15	0.01
		H <sub>2</sub> S	0.01	0.01
11ENG_105	Rental Air Compressor at USC-2	NO <sub>x</sub>	6.99	4.89
		CO	1.21	0.85
		SO <sub>2</sub>	0.16	0.11
		VOC	0.20	0.14
		PM	0.10	0.07
		PM <sub>10</sub>	0.10	0.07
		PM <sub>2.5</sub>	0.10	0.07

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
11ENG_9616	Emergency Fire Water Pump (876 hours per year)	NO <sub>x</sub>	16.93	0.22
		CO	3.65	0.05
		SO <sub>2</sub>	1.12	0.01
		VOC	1.37	0.02
		PM	1.20	0.02
		PM <sub>10</sub>	1.20	0.02
		PM <sub>2.5</sub>	1.20	0.02
		H <sub>2</sub> S	0.01	0.01
11FLR_4142	LP Flare (East Flare, 11FLR_041) + HP Flare (West Flare, 11FLR_042)	NO <sub>x</sub>	60.26	77.31
		CO	379.16	393.95
		SO <sub>2</sub>	33.17	0.86
		VOC	272.16	179.81
		H <sub>2</sub> S	0.35	0.02
11FLR_043	UDEX Flare	NO <sub>x</sub>	20.34	46.23
		CO	129.33	124.36
		SO <sub>2</sub>	8.91	1.82
		VOC	193.42	78.16
		H <sub>2</sub> S	0.09	0.02
11FLR_9601	Paraxylene Flare	NO <sub>x</sub>	36.52	27.58
		CO	223.46	149.52
		SO <sub>2</sub>	20.41	0.29
		VOC	270.01	27.16
		H <sub>2</sub> S	0.22	0.01
11FLR_613	C&S Flare	NO <sub>x</sub>	5.87	11.34
		CO	21.60	55.33
		SO <sub>2</sub>	0.41	1.69
		VOC	7.59	10.38
		H <sub>2</sub> S	0.01	0.02
		HCl	0.02	0.09

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
11FUG_001	Olefins Offsite Area Fugitives (5)	VOC	1.86	33.15
11FUG_002	Process Fugitives (5)	VOC	2.35	10.20
11FUG_004	Rail Loading Fugitives (5)	VOC	0.67	2.95
11LFS_036	No.2 Lift Station Gas Engine South	NO <sub>x</sub>	3.10	0.34
		SO <sub>2</sub>	0.01	0.01
		VOC	3.10	1.32
		H <sub>2</sub> S	0.01	0.01
11LFS_037	No. 2 Lift Station Middle (330 hours per year)	NO <sub>x</sub>	1.75	0.29
		CO	1.15	0.19
		SO <sub>2</sub>	0.01	0.01
		VOC	0.25	0.04
		PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
		PM <sub>2.5</sub>	0.01	0.01
		H <sub>2</sub> S	0.01	0.01
11LFS_037A	No. 2 Lift Station North (100 hours per year)	NO <sub>x</sub>	1.92	0.10
		CO	1.26	0.06
		SO <sub>2</sub>	0.01	0.01
		VOC	0.27	0.02
		PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
		PM <sub>2.5</sub>	0.01	0.01
		H <sub>2</sub> S	0.01	0.01
11TFX_004	Sulfuric Acid Storage Tank	H <sub>2</sub> SO <sub>4</sub>	0.01	0.01
11TEF_034	Reformate Storage Tank	VOC	0.81	1.05
11TFX_079	Sulfuric Acid Storage Tank	H <sub>2</sub> SO <sub>4</sub>	0.01	0.01
11TFX_088	Diesel Storage Tank	VOC	0.26	0.01
11TFX_089	Diesel Storage Tank	VOC	0.26	0.01
11TFX_104	Diesel Tank	VOC	0.26	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hour	TPY (4)
11TFX_105	Gasoline Tank	VOC	0.14	0.30
11TFX_106	Diesel Tank	VOC	0.26	0.01
11TFX_1201	Diesel Storage Tank	VOC	0.26	0.01
11TFX_9621	Diesel Storage Tank	VOC	0.26	0.01
11TOX_9603	Wharf Tank Farm Thermal Oxidizer	NO <sub>x</sub>	0.20	0.88
		CO	0.35	1.55
		SO <sub>2</sub>	0.01	0.01
		VOC	0.86	3.48
		PM	0.26	1.14
		PM <sub>10</sub>	0.26	1.14
		PM <sub>2.5</sub>	0.26	1.14
		H <sub>2</sub> S	0.01	0.01
11TOX_9604	Refinery Tank Farm Thermal Oxidizer	NO <sub>x</sub>	0.20	0.88
		CO	0.12	0.53
		SO <sub>2</sub>	0.01	0.01
		VOC	0.31	1.34
		PM	0.10	0.44
		PM <sub>10</sub>	0.10	0.44
		PM <sub>2.5</sub>	0.10	0.44
		H <sub>2</sub> S	0.01	0.01

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.  
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.  
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
SO<sub>2</sub> - sulfur dioxide  
PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
HCl - hydrogen chloride  
H<sub>2</sub>SO<sub>4</sub> - sulfuric acid  
H<sub>2</sub>S - hydrogen sulfide  
BF<sub>3</sub> - boron trifluoride

Emission Sources - Maximum Allowable Emission Rates

NH <sub>3</sub>	- ammonia
NH <sub>4</sub> NO <sub>3</sub>	- ammonia nitrate
HNO <sub>3</sub>	- nitric acid

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) See Attachment D for the list of Emission Point Numbers and Source Names included in each cap.

Date: December 18, 2020