

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO  
TotalEnergies Petrochemicals & Refining USA, Inc.

AUTHORIZING THE OPERATION OF  
Port Arthur Refinery  
Petroleum Refineries

LOCATED AT  
Jefferson County, Texas  
Latitude 29° 57' 50" Longitude 93° 53' 15"  
Regulated Entity Number: RN102457520

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:     O1267     Issuance Date: \_\_\_\_\_

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For the Commission

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## **General Terms and Conditions**

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

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

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

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

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

## **Special Terms and Conditions:**

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

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

subject to 30 TAC Chapter 113, Subchapter C, §§ 113.100, 113.110, 113.120, 113.130, 113.300, 113.340, 113.780, 113.1090 or 113.1130, respectively, which incorporate 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 of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet

prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

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

B. For visible emissions from 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 observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. 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 observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (4) Compliance Certification:
  - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)
  - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- D. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- E. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).



- F. 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)
- G. 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. 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 specified in 30 TAC Chapter 115, Subchapter C, the permit holder shall comply with the following requirements:
    - (i) Title 30 TAC § 115.221 (relating to Emission Specifications)
    - (ii) Title 30 TAC § 115.222 (relating to Control Requirements)
    - (iii) Title 30 TAC § 115.223 (relating to Alternate Control Requirements)
    - (iv) Title 30 TAC § 115.224 (relating to Inspection Requirements)
    - (v) Title 30 TAC § 115.225 (relating to Testing Requirements)
    - (vi) Title 30 TAC § 115.226 (relating to Recordkeeping Requirements)
- 6. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter D requirements:
  - A. Title 30 TAC § 115.312(a)(1) (relating to Control Requirements), for emissions during Process Unit Shutdown or Turnaround

- B. Title 30 TAC § 115.316(a)(2) (relating to Recordkeeping Requirements), for Process Unit Shutdown or Turnaround
7. The permit holder shall comply with the following 30 TAC Chapter 115, Subchapter F requirements (relating to Cutback Asphalt Requirements):
- A. Title 30 TAC § 115.512(1) (relating to Control Requirements)
  - B. Title 30 TAC § 115.512(2) (relating to Control Requirements)
  - C. Title 30 TAC § 115.512(3) (relating to Control Requirements)
  - D. Title 30 TAC § 115.515 (relating to Testing Requirements)
8. The permit holder shall comply with the following requirements of 30 TAC Chapter 115, Subchapter F, Division 3, Degassing of Storage Tanks, Transport Vessels and Marine Vessels:
- A. For degassing of stationary VOC storage tanks, the permit holder shall comply with the following requirements:
    - (i) Title 30 TAC § 115.541(a) - (c) (relating to Emission Specifications)
    - (ii) Title 30 TAC § 115.541(f) (relating to Emission Specifications), for floating roof storage tanks
    - (iii) Title 30 TAC § 115.542(a) and (a)(1), (a)(2), (a)(3) or (a)(4) (relating to Control Requirements). Where the requirements of 30 TAC Chapter 115, Subchapter F contain multiple compliance options, the permit holder shall keep records of when each compliance option was used.
    - (iv) Title 30 TAC § 115.542(b) - (d), (relating to Control Requirements)
    - (v) Title 30 TAC § 115.543 (relating to Alternate Control Requirements)
    - (vi) Title 30 TAC § 115.544(a)(1) and (a)(2) (relating to Inspection, Monitoring, and Testing Requirements), for inspections
    - (vii) Title 30 TAC § 115.544(b) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring
    - (viii) Title 30 TAC § 115.544(b)(1) and (b)(2) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring of control devices
    - (ix) Title 30 TAC § 115.544(b)(2)(A) - (J) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring (as appropriate to the control device)
    - (x) Title 30 TAC § 115.544(b)(3), (b)(4) and (b)(6) (relating to Inspection, Monitoring, and Testing Requirements), for VOC concentration or lower explosive limit threshold monitoring
    - (xi) Title 30 TAC § 115.544(c), and (c)(1) - (c)(3) (relating to Inspection, Monitoring, and Testing Requirements), for testing of control devices used to comply with 30 TAC § 115.542(a)(1)

- (xii) Title 30 TAC § 115.545(1) - (7), (9) - (11) and (13) (relating to Approved Test Methods)
  - (xiii) Title 30 TAC § 115.546(a), (a)(1) and (a)(3) (relating to Recordkeeping and Notification Requirements), for recordkeeping
  - (xiv) Title 30 TAC § 115.546(a)(2) and (a)(2)(A) - (J) (relating to Recordkeeping and Notification Requirements), for recordkeeping (as appropriate to the control device)
  - (xv) Title 30 TAC § 115.546(a)(4) (relating to Recordkeeping and Notification Requirements), for recordkeeping of testing of control devices used to comply with 30 TAC § 115.542(a)(1)
  - (xvi) Title 30 TAC § 115.547(4) (relating to Exemptions)
9. 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)
10. For the bulk gasoline terminals specified in 40 CFR Part 60, Subpart XX, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 60.502(e) - (f) (relating to Standard for VOC Emissions from Bulk Gasoline Terminals)
  - B. Title 40 CFR § 60.505(a) - (b), and (d) (relating to Reporting and Recordkeeping)
11. For petroleum refinery facilities subject to 40 CFR Part 60, Subpart QQQ, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 60.692-1(a) - (c) (relating to Standards: General)
  - B. Title 40 CFR § 60.692-2(a) - (c), (e) (relating to Standards: Individual Drain Systems)
  - C. Title 40 CFR § 60.692-2(d) (relating to Standards: Individual Drain Systems)
  - D. Title 40 CFR § 60.692-6(a) - (b) (relating to Standards: Delay of Repair)

- E. Title 40 CFR § 60.692-7(a) - (b) (relating to Standards: Delay of Compliance)
  - F. Title 40 CFR § 60.693-1(a) - (d), (e)(1) - (3) (relating to Alternative Standards for Individual Drain Systems)
  - G. Title 40 CFR § 60.697(a), (b)(1) - (3) (relating to Recordkeeping Requirements), as applicable to Individual Drain Systems
  - H. Title 40 CFR § 60.697(f)(1) - (2), (g) (relating to Recordkeeping Requirements), as applicable to Individual Drain Systems
  - I. Title 40 CFR § 60.697(h) (relating to Recordkeeping Requirements), as applicable to excluded Stormwater Sewer Systems
  - J. Title 40 CFR § 60.697(i) (relating to Recordkeeping Requirements), as applicable to excluded Ancillary Equipment
  - K. Title 40 CFR § 60.697(j) (relating to Recordkeeping Requirements), as applicable to excluded Non-contact Cooling Water Systems
  - L. Title 40 CFR § 60.698(a), and (b)(1) (relating to Reporting Requirements), as applicable to Individual Drain Systems
  - M. Title 40 CFR § 60.698(c) (relating to Reporting Requirements), for water seal breaches in Drain Systems
  - N. Title 40 CFR § 60.698(e) (relating to Reporting Requirements), as applicable to Individual Drain Systems
12. 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)
13. For the National Emissions Standards for Asbestos specified in 40 CFR Part 61, Subpart M, the permit holder shall comply with the following requirements:

- A. For insulating materials other than spray-applied: Title 40 CFR § 61.148 (relating to Standards for Insulating Materials), for installation and reinstallation of asbestos-containing insulation).
14. 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)
15. 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(e)(1) (relating to Standards: General)
  - C. Title 40 CFR § 61.342(e)(2)(i) - (ii) (relating to Standards: General)
  - D. Title 40 CFR § 61.342(f)(1), and (2) (relating to Standards: General)
  - E. Title 40 CFR § 61.342(g) (relating to Standards: General)
  - F. Title 40 CFR § 61.350(a) and (b) (relating to Standards: Delay of Repair)
  - G. 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)
  - H. Title 40 CFR § 61.355(k)(1) - (6), and (7)(i) - (iv) (relating to Test Methods, Procedures, and Compliance Provisions), for calculation procedures
  - I. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)
  - J. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)
  - K. Title 40 CFR § 61.356(b)(4) (relating to Recordkeeping Requirements)
  - L. Title 40 CFR § 61.356(b)(5) (relating to Recordkeeping Requirements)
  - M. Title 40 CFR § 61.356(c) (relating to Recordkeeping Requirements)
  - N. Title 40 CFR § 61.357(a), (d)(1), (d)(2) (d)(6) and (d)(8) (relating to Reporting Requirements)
  - O. Title 40 CFR § 61.357(d)(5) (relating to Reporting Requirements)
  - P. Waste generated by remediation activities at these facilities are subject to the requirements identified under 40 CFR § 61.342 for treatment and management of waste

16. 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)
17. 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)(A) (relating to Standards: Individual Drain Systems), for junction boxes
  - C. Title 40 CFR § 61.346(b)(2)(ii)(B) (relating to Standards: Individual Drain Systems), for junction boxes
18. 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.
19. 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).
20. 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) (relating to Applicability), for 40 CFR Part 63, Subpart G applicability to Group 1 or 2 Wastewater Streams
21. 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) - (3), and (e) (relating to Leak Inspection Provisions)
    - (ii) Title 40 CFR § 63.148(c), (g), (g)(2), (h), 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), and 63.152(a)(1) - (5), for recordkeeping requirements

- (iv) Title 40 CFR §§ 63.148(j), 63.151(a)(6)(i) - (iii), (b)(1) - (2), (j)(1) - (3), 63.152(a)(1) - (5), (b), (b)(1)(i) - (ii), 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) (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
  - C. For facilities not operating flow indicators:
    - (i) Title 40 CFR § 63.148(f)(2) (relating to Leak Inspection Provisions), for monitoring and testing requirements
    - (ii) Title 40 CFR § 63.148(i)(3)(ii) (relating to Leak Inspection Provisions), for recordkeeping requirements
    - (iii) Title 40 CFR § 63.148(j)(3) (relating to Leak Inspection Provisions), for reporting requirements
22. 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)
23. For the bulk gasoline terminals specified in 40 CFR Part 63, Subpart R, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.230 incorporated by reference):
- A. Title 40 CFR § 63.420(h), for applicability of the General Provisions of Subpart A
  - B. Title 40 CFR § 63.422(c), (c)(1) - (2) (relating to Standards: Loading Racks)
  - C. Title 40 CFR § 63.424(a) - (d) (relating to Standards: Equipment Leaks)
  - D. Title 40 CFR § 63.424(g) (relating to Standards: Equipment Leaks)
  - E. Title 40 CFR § 63.425(e) - (h) (relating to Test Methods and Procedures)
  - F. Title 40 CFR § 63.428(a) - (b), (g)(1), and (h)(2) - (3) (relating to Reporting and Recordkeeping)
  - G. Title 40 CFR § 63.428(e)(1) - (7), (f)(1) - (2), (g), (g)(3), (h)(4)(i) - (iv) (relating to Reporting and Recordkeeping)
24. For the operations pertaining to the loading and unloading of marine tank vessels specified in 40 CFR Part 63, Subpart Y, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.300 incorporated by reference):
- A. Title 40 CFR § 63.560(c) (relating to Designation of Affected Source), for applicability of the General Provisions of Subpart A

- B. Title 40 CFR § 63.563(a)(4) (relating to Compliance and Performance Testing), for vapor tightness requirements of the marine vessels
  - C. Title 40 CFR § 63.564(a)(1) and (d) (relating to Monitoring Requirements)
  - D. Title 40 CFR § 63.565(a) (relating to Test Methods and Procedures), for performance testing requirements
  - E. Title 40 CFR § 63.565(c) (relating to Test Methods and Procedures), for vapor tightness requirements of the marine vessels
  - F. Title 40 CFR § 63.566 (relating to Construction and Reconstruction)
  - G. Title 40 CFR § 63.567(a) - (b) and (h) - (i) (relating to Reporting and Recordkeeping Requirements)
25. For sources subject to emission standards in 40 CFR Part 63, Subpart CC, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.340 incorporated by reference):
- A. Title 40 CFR § 63.640(m) and (m)(1) - (2) (relating to Applicability and Designation of Affected Source), for units and emission points changing from Group 2 to Group 1 status
  - B. Title 40 CFR § 63.642(f) (relating to General Standards), for reporting
  - C. For benzene fenceline monitoring, the permit holder shall comply with the following requirements:
    - (i) Title 40 CFR § 63.658(a) - (k) (relating to Fenceline Monitoring Provisions)
    - (ii) Title 40 CFR § 63.655(h), (h)(8), and (h)(10) (relating to Reporting and Recordkeeping Requirements), for reporting
    - (iii) Title 40 CFR § 63.655(i), (i)(6), and (i)(8) (relating to Reporting and Recordkeeping Requirements), for recordkeeping
  - D. Group 1 process wastewater streams not managed in a wastewater management unit subject to 40 CFR Part 63, Subpart G shall comply with 40 CFR Part 61, Subpart FF as specified in 40 CFR §§ 63.647(a) - (c) and 63.655(a)
26. The permit holder shall comply with the requirement to prepare and implement an Operations and Maintenance plan in accordance with 40 CFR Part 63, Subpart UUU, § 63.1574(f) (Title 30 TAC Chapter 113, Subchapter C, § 113.780 incorporated by reference).
27. For site remediation projects subject to 40 CFR Part 63, Subpart GGGGG that will remove remediation material containing less than 1 megagram per year of the HAP listed in Table 1 to Subpart GGGGG, the permit holder shall comply with 40 CFR § 63.7881(c)(1) - (3) (Title 30 TAC Chapter 113, Subchapter C, § 113.1160 incorporated by reference).
28. 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**

29. 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 particulate matter capture system associated with the 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 action:
    - (i) Once per year the permit holder shall inspect any fan for proper operation and inspect the capture system used in compliance of CAM for cracks, holes, tears, and other defects; or
    - (ii) Once per year, the permit holder shall inspect for fugitive emissions escaping from the capture system in compliance of CAM by performing a visible emissions observation for a period of at least six minutes in accordance with 40 CFR Part 60, Appendix A, Test Method 22.
  - F. 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.
- 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.
30. 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**

31. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule (including the terms, conditions, monitoring, recordkeeping, and reporting identified in registered PBRs and permits by rule identified in the PBR Supplemental Tables dated June 28, 2024 in the application for project 22414), 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
32. 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.
33. 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).

34. The permit holder shall comply with the following requirements for Air Quality Standard Permits:
- A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit
  - B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit
  - C. Boiler Standard Permit
  - D. Requirements of the non-rule Air Quality Standard Permit for Pollution Control Projects

### **Compliance Requirements**

35. 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.
36. The permit holder shall adhere to the provisions in the Compliance Schedule attachment of this permit and submit certified progress reports consistent with the schedule established under 30 TAC § 122.132(d)(4)(C) and including the information specified in 30 TAC § 122.142(d)(2). Those emission units listed in the Compliance Schedule attachment shall adhere with the requirements in the Compliance Schedule attachment until operating fully in compliance with the applicable requirements.
37. 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).
38. 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)

39. 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**

- 40. 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**

41. 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.

## **Alternative Requirements**

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

## **Permit Location**

43. 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)**

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

## **Attachments**

**Applicable Requirements Summary**

**Additional Monitoring Requirements**

**Permit Shield**

**New Source Review Authorization References**

**Schedules**

**Alternative Requirement**

### Applicable Requirements Summary

**Unit Summary ..... 22**

**Applicable Requirements Summary ..... 97**

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**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
01ACU1H101	PROCESS HEATERS/FURNACES	N/A	R7117-7	30 TAC Chapter 117, Subchapter B	No changing attributes.
01ACU1H101	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
01ACU1H101	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
01VACTH301	PROCESS HEATERS/FURNACES	N/A	R117-5	30 TAC Chapter 117, Subchapter B	No changing attributes.
01VACTH301	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
01VACTH301	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
02ACU2H201	PROCESS HEATERS/FURNACES	N/A	R117-3	30 TAC Chapter 117, Subchapter B	No changing attributes.
02ACU2H201	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
02ACU2H201	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
04BTXH-51	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
04BTXH-51	PROCESS	N/A	63DDDDD	40 CFR Part 63, Subpart	No changing attributes.



**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
	HEATERS/FURNACES			DDDDD	
04TANK0941	STORAGE TANKS/VESSELS	N/A	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
04TANK0941	STORAGE TANKS/VESSELS	N/A	63G-1	40 CFR Part 63, Subpart G	No changing attributes.
04TANK0946	STORAGE TANKS/VESSELS	N/A	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
04TANK0946	STORAGE TANKS/VESSELS	N/A	63G-1	40 CFR Part 63, Subpart G	No changing attributes.
06VDU2CHTR	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60Ja-5	40 CFR Part 60, Subpart Ja	No changing attributes.
06VDU2CHTR	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
08TANK0668	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
08TANK0923	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
13UNIBH301	PROCESS HEATERS/FURNACES	N/A	R117-6	30 TAC Chapter 117, Subchapter B	No changing attributes.
13UNIBH301	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
13UNIBH301	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
14TANK0101	STORAGE	N/A	R5112	30 TAC Chapter 115,	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
	TANKS/VESSELS			Storage of VOCs	
14TANK0101	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
14TANK0102	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
14TANK0102	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
15SRUINCIN	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
18RAILLOAD	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
18TRKLOAD	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
20GASLOAD	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
20TANK2001	STORAGE TANKS/VESSELS	N/A	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
20TANK2001	STORAGE TANKS/VESSELS	N/A	60Kb-1	40 CFR Part 60, Subpart Kb	No changing attributes.
20TANK2001	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
20TANK2002	STORAGE TANKS/VESSELS	N/A	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
20TANK2002	STORAGE	N/A	60Kb-1	40 CFR Part 60, Subpart Kb	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
	TANKS/VESSELS				
20TANK2002	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
20TANK2003	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
20TANK2003	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
22BZNTKFLR	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
22BZNTKFLR	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-FG1	40 CFR Part 60, Subpart J	No changing attributes.
22TANK0316	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0316	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
22TANK0484	STORAGE TANKS/VESSELS	N/A	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0484	STORAGE TANKS/VESSELS	N/A	60Kb-1	40 CFR Part 60, Subpart Kb	No changing attributes.
22TANK0503	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0503	STORAGE TANKS/VESSELS	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
22TANK0503	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
22TANK0517	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0522	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0522	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
22TANK0531	STORAGE TANKS/VESSELS	N/A	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0531	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
22TANK0538	STORAGE TANKS/VESSELS	N/A	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0538	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
22TANK0540	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0540	STORAGE TANKS/VESSELS	N/A	60Kb-1	40 CFR Part 60, Subpart Kb	No changing attributes.
22TANK0540	STORAGE TANKS/VESSELS	N/A	60QQQ-1	40 CFR Part 60, Subpart QQQ	No changing attributes.
22TANK0540	STORAGE TANKS/VESSELS	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
22TANK0545	STORAGE TANKS/VESSELS	N/A	R115	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0545	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
22TANK0591	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
22TANK0591	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
22TANK0805	STORAGE TANKS/VESSELS	N/A	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0805	STORAGE TANKS/VESSELS	N/A	63G-2	40 CFR Part 63, Subpart G	No changing attributes.
22TANK0807	STORAGE TANKS/VESSELS	N/A	R5112-2	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0807	STORAGE TANKS/VESSELS	N/A	63G-3	40 CFR Part 63, Subpart G	No changing attributes.
22TANK0909	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0909	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
22TANK0921	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0921	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
22TANK0922	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0922	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
22TANK0925	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0925	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
22TANK0926	STORAGE TANKS/VESSELS	N/A	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
22TANK0926	STORAGE TANKS/VESSELS	N/A	63G-1	40 CFR Part 63, Subpart G	No changing attributes.
22TANK0933	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0933	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
22TANK0938	STORAGE TANKS/VESSELS	N/A	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0938	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
22TANK0939	STORAGE TANKS/VESSELS	N/A	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0939	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
22TANK0940	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0940	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
22TANK0948	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0948	STORAGE TANKS/VESSELS	N/A	60Ka-1	40 CFR Part 60, Subpart Ka	No changing attributes.
22TANK0948	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
22TANK0960	STORAGE TANKS/VESSELS	N/A	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
22TANK0960	STORAGE TANKS/VESSELS	N/A	60Kb-1	40 CFR Part 60, Subpart Kb	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
22TANK0960	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
22TK926FLR	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
22TK926FLR	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-FG1	40 CFR Part 60, Subpart J	No changing attributes.
25SRUINCIN	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
28LPGLOAD	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
30CKRHTR1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60JA-5	40 CFR Part 60, Subpart Ja	No changing attributes.
30CKRHTR1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
30CKRHTR1	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
30CKRHTR2	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60Ja-5	40 CFR Part 60, Subpart Ja	No changing attributes.
30CKRHTR2	FCCU CAT REGEN/FUEL	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
	GAS COMBUSTION/CLAUS SRU				
30CKRHTR2	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
30EASTFLARE	FLARES	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
30EASTFLARE	FLARES	N/A	60A-1	40 CFR Part 60, Subpart A	No changing attributes.
30EASTFLARE	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60Ja-1	40 CFR Part 60, Subpart Ja	No changing attributes.
30EASTFLARE	FLARES	N/A	63A-1	40 CFR Part 63, Subpart A	No changing attributes.
30EASTFLARE	FLARES	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
31KNHTR	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60Ja-5	40 CFR Part 60, Subpart Ja	No changing attributes.
31KNHTR	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
36SRUINCIN	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
39SWTANK	STORAGE TANKS/VESSELS	N/A	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
40CSOWSCC	CLOSED VENT SYSTEM AND CONTROL DEVICE	N/A	60QQQ	40 CFR Part 60, Subpart QQQ	No changing attributes.
40CSOWSCC	CLOSED VENT SYSTEM	N/A	61FF	40 CFR Part 61, Subpart FF	No changing attributes.



**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
	AND CONTROL DEVICE				
40CSPLTH-1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
40CSPLTH-1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
41NORTHFLR	FLARES	N/A	R111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
41NORTHFLR	FLARES	N/A	60A-2	40 CFR Part 60, Subpart A	No changing attributes.
41NORTHFLR	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60Ja-1	40 CFR Part 60, Subpart Ja	No changing attributes.
41NORTHFLR	FLARES	N/A	63A-1	40 CFR Part 63, Subpart A	No changing attributes.
41NORTHFLR	FLARES	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
43DHT3CHTR	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60Ja-5	40 CFR Part 60, Subpart Ja	No changing attributes.
43DHT3CHTR	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
45DOCK1PCV	LOADING/UNLOADING OPERATIONS	N/A	61BB-2	40 CFR Part 61, Subpart BB	No changing attributes.
45DOCK1PCV	LOADING/UNLOADING OPERATIONS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
45DOCK1PCV	LOADING/UNLOADING OPERATIONS	N/A	63Y-3	40 CFR Part 63, Subpart Y	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
45DOCK3PCV	LOADING/UNLOADING OPERATIONS	N/A	61BB-2	40 CFR Part 61, Subpart BB	No changing attributes.
45DOCK3PCV	LOADING/UNLOADING OPERATIONS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
45DOCK3PCV	LOADING/UNLOADING OPERATIONS	N/A	63Y-3	40 CFR Part 63, Subpart Y	No changing attributes.
45DOCKTO1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-2	40 CFR Part 60, Subpart J	No changing attributes.
45DOCKTO2	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
45TANK0474	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
50BZNTKFLR	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
50BZNTKFLR	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-FG1	40 CFR Part 60, Subpart J	No changing attributes.
51DHT1H-3	PROCESS HEATERS/FURNACES	N/A	R117-2	30 TAC Chapter 117, Subchapter B	No changing attributes.
51DHT1H-3	PROCESS HEATERS/FURNACES	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
52DHT2H-1	PROCESS HEATERS/FURNACES	N/A	R117-2	30 TAC Chapter 117, Subchapter B	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
52DHT2H-1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
52DHT2H-1	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
52DHT2H-2	PROCESS HEATERS/FURNACES	N/A	R117-2	30 TAC Chapter 117, Subchapter B	No changing attributes.
52DHT2H-2	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
52DHT2H-2	PROCESS HEATERS/FURNACES	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
53MIDFLARE	FLARES	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
53MIDFLARE	FLARES	N/A	60A-1	40 CFR Part 60, Subpart A	No changing attributes.
53MIDFLARE	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60Ja-1	40 CFR Part 60, Subpart Ja	No changing attributes.
53MIDFLARE	FLARES	N/A	63A-1	40 CFR Part 63, Subpart A	No changing attributes.
53MIDFLARE	FLARES	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
53SOUTHFLR	FLARES	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
53SOUTHFLR	FLARES	N/A	60A-1	40 CFR Part 60, Subpart A	No changing attributes.
53SOUTHFLR	FCCU CAT REGEN/FUEL GAS	N/A	60Ja-1	40 CFR Part 60, Subpart Ja	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
	COMBUSTION/CLAUS SRU				
53SOUTHFLR	FLARES	N/A	63A-1	40 CFR Part 63, Subpart A	No changing attributes.
53SOUTHFLR	FLARES	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
55FCCURFGS	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
55REGENPCV	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
55REGENPCV	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
55REGENPCV	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
55REGENPCV	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-001	40 CFR Part 63, Subpart UUU	No changing attributes.
60COGENBRN	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60DB-1	40 CFR Part 60, Subpart Db	No changing attributes.
60COGENBRN	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
60COGENBRN	BOILERS/STEAM	N/A	63DDDDD	40 CFR Part 63, Subpart	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
	GENERATORS/STEAM GENERATING UNITS			DDDDD	
60COGENTRB	STATIONARY TURBINES	N/A	R7201-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
60COGENTRB	STATIONARY TURBINES	N/A	60GG-1	40 CFR Part 60, Subpart GG	Fuel Type Fired = Natural gas meeting the definition in § 60.331(u).
60COGENTRB	STATIONARY TURBINES	N/A	60GG-2	40 CFR Part 60, Subpart GG	Fuel Type Fired = Gaseous fuel other than natural gas.
61BLRH300	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R7117-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
61BLRH300	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60DB-1	40 CFR Part 60, Subpart Db	No changing attributes.
61BLRH300	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
61BLRH300	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
61BLRH350	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	R7117-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
61BLRH350	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60DB-1	40 CFR Part 60, Subpart Db	No changing attributes.
61BLRH350	FCCU CAT REGEN/FUEL	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
	GAS COMBUSTION/CLAUS SRU				
61BLRH350	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
67NCPI	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	R5131	30 TAC Chapter 115, Water Separation	No changing attributes.
67NCPI	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	60QQQ	40 CFR Part 60, Subpart QQQ	No changing attributes.
67NCPIBOT	STORAGE TANKS/VESSELS	N/A	60QQQ-1	40 CFR Part 60, Subpart QQQ	No changing attributes.
67NCPIBOT	STORAGE TANKS/VESSELS	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
67PHADJCC	STORAGE TANKS/VESSELS	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
67SCALCC	CLOSED VENT SYSTEM AND CONTROL DEVICE	N/A	60QQQ	40 CFR Part 60, Subpart QQQ	No changing attributes.
67SCALCC	CLOSED VENT SYSTEM AND CONTROL DEVICE	N/A	61FF	40 CFR Part 61, Subpart FF	No changing attributes.
67SCPI	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	R5131	30 TAC Chapter 115, Water Separation	No changing attributes.
67TANK0504	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	True Vapor Pressure = True vapor pressure is less than 1.0 psia, Tank Description = Tank does not require emission controls

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
67TANK0504	STORAGE TANKS/VESSELS	N/A	R5112-1	30 TAC Chapter 115, Storage of VOCs	True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia, Tank Description = Tank (other than welded) using an external floating roof (EFR), Primary Seal = Mechanical shoe
67TANK0504	STORAGE TANKS/VESSELS	N/A	60QQQ-1	40 CFR Part 60, Subpart QQQ	No changing attributes.
67TANK0504	STORAGE TANKS/VESSELS	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
67TANK0504	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
67TANK0505	STORAGE TANKS/VESSELS	N/A	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
67TANK0505	STORAGE TANKS/VESSELS	N/A	60QQQ-1	40 CFR Part 60, Subpart QQQ	No changing attributes.
67TANK0505	STORAGE TANKS/VESSELS	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
67TANK0505	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
67TANK0595	STORAGE TANKS/VESSELS	N/A	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
67TANK0595	STORAGE TANKS/VESSELS	N/A	60QQQ-1	40 CFR Part 60, Subpart QQQ	No changing attributes.
67TANK0595	STORAGE TANKS/VESSELS	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
67TANK0595	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
67TANK0596	STORAGE TANKS/VESSELS	N/A	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
67TANK0596	STORAGE TANKS/VESSELS	N/A	60QQQ-1	40 CFR Part 60, Subpart QQQ	No changing attributes.
67TANK0596	STORAGE TANKS/VESSELS	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
67TANK0596	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
67TANK0636	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
67TANK0636	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
67TANK0651	STORAGE TANKS/VESSELS	N/A	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
67TANK0651	STORAGE TANKS/VESSELS	N/A	60QQQ-1	40 CFR Part 60, Subpart QQQ	No changing attributes.
67TANK0651	STORAGE TANKS/VESSELS	N/A	61FF-1	40 CFR Part 61, Subpart FF	Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system., Closed Vent System and Control Device AMOC = Not using an alternate means of compliance, Carbon Replacement Interval = The carbon in the carbon adsorption system is replaced when monitoring indicates breakthrough., Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets



**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3)., Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device., Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation., Control Device Type/Operation = Carbon adsorption system that does not regenerate the carbon bed directly in the control device
67TANK0651	STORAGE TANKS/VESSELS	N/A	61FF-2	40 CFR Part 61, Subpart FF	Fuel Gas System = Gaseous emissions from the tank or enclosure are routed to a fuel gas system.
67TANK0660	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
67TANK0660	STORAGE TANKS/VESSELS	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
67TANK0681	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
67TANK0682	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
67TANK0905	STORAGE TANKS/VESSELS	N/A	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
67TANK0905	STORAGE TANKS/VESSELS	N/A	60Kb-1	40 CFR Part 60, Subpart Kb	No changing attributes.
67TANK0905	STORAGE	N/A	60QQQ-1	40 CFR Part 60, Subpart	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
	TANKS/VESSELS			QQQ	
67TANK0905	STORAGE TANKS/VESSELS	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
67TANK0905	STORAGE TANKS/VESSELS	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
67TANK0927	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
67TANK0927	STORAGE TANKS/VESSELS	N/A	60Kb-1	40 CFR Part 60, Subpart Kb	No changing attributes.
67TANK0927	STORAGE TANKS/VESSELS	N/A	60QQQ-1	40 CFR Part 60, Subpart QQQ	No changing attributes.
75LABCC	CLOSED VENT SYSTEM AND CONTROL DEVICE	N/A	61FF	40 CFR Part 61, Subpart FF	No changing attributes.
ASPHALTPRO	ASPHALT OPERATIONS	N/A	60UU-1	40 CFR Part 60, Subpart UU	No changing attributes.
ENG-02	SRIC ENGINES	N/A	60IIII-9	40 CFR Part 60, Subpart IIII	No changing attributes.
ENG-02	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-03	SRIC ENGINES	N/A	63ZZZZ-3	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-04	SRIC ENGINES	N/A	63ZZZZ-3	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-05	SRIC ENGINES	N/A	63ZZZZ-3	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-06	SRIC ENGINES	N/A	63ZZZZ-3	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-07	SRIC ENGINES	N/A	60IIII-5	40 CFR Part 60, Subpart IIII	No changing attributes.
ENG-07	SRIC ENGINES	N/A	63ZZZZ-8	40 CFR Part 63, Subpart	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
				ZZZZ	
ENG-08	SRIC ENGINES	N/A	60III-5	40 CFR Part 60, Subpart IIII	No changing attributes.
ENG-08	SRIC ENGINES	N/A	63ZZZZ-8	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-09	SRIC ENGINES	N/A	60III-6	40 CFR Part 60, Subpart IIII	No changing attributes.
ENG-09	SRIC ENGINES	N/A	63ZZZZ-9	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-10	SRIC ENGINES	N/A	60III-7	40 CFR Part 60, Subpart IIII	No changing attributes.
ENG-10	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-11	SRIC ENGINES	N/A	63ZZZZ-6	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-12	SRIC ENGINES	N/A	63ZZZZ-6	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-15	SRIC ENGINES	N/A	63ZZZZ-3	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-16	SRIC ENGINES	N/A	63ZZZZ-7	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-17	SRIC ENGINES	N/A	60III-2	40 CFR Part 60, Subpart IIII	No changing attributes.
ENG-17	SRIC ENGINES	N/A	63ZZZZ-4	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-18	SRIC ENGINES	N/A	60III-3	40 CFR Part 60, Subpart IIII	No changing attributes.
ENG-18	SRIC ENGINES	N/A	63ZZZZ-5	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-19	SRIC ENGINES	N/A	60III-2	40 CFR Part 60, Subpart IIII	No changing attributes.
ENG-19	SRIC ENGINES	N/A	63ZZZZ-4	40 CFR Part 63, Subpart	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
				ZZZZ	
ENG-20	SRIC ENGINES	N/A	60III-4	40 CFR Part 60, Subpart IIII	No changing attributes.
ENG-20	SRIC ENGINES	N/A	63ZZZZ-5	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-21	SRIC ENGINES	N/A	63ZZZZ-3	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
ENG-22	SRIC ENGINES	N/A	63ZZZZ-11	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-CTWR	INDUSTRIAL PROCESS COOLING TOWERS	02FWCLGTWR, 02HDCLGTWR, 08ALKCLTWR, 30DCPCT1, 60COGENCT, 67COGENCT, 67FPMCLTWR	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-FLAREVT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	30EASTFLARE-VT, 41NORTHFLR-VT, 53MIDFLARE-VT, 53SOUTHFLR-VT	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
GRP-FLAREVT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	30EASTFLARE-VT, 41NORTHFLR-VT, 53MIDFLARE-VT, 53SOUTHFLR-VT	63G-1	40 CFR Part 63, Subpart G	No changing attributes.
GRP-VENT15	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	17REFHTRS, 45DOCKTO1, 45DOCKTO2, 60COGENSTK	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-VENT20	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	01ACU1202A, 01ACU1202B, 01ACU1H101,	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		01VACTH301, 02ACU2H201, 04BTXH-52, 04BTXH-53, 06VDU2CHTR, 10DEMEXH-2, 10DEMEXH-4, 13UNIBH301, 16ISOMHTR, 17NHTHTRS, 30CKRHTR1, 30CKRHTR2, 31KNHTHTR, 40CSPLTH-1, 43DHT3CHTR, 51DHT1H-1, 52DHT2H-2			
GRP-VENT30	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	04BTXH-51, 10GRUHTRB1, 50TDPH-1, 51DHT1H-3, 52DHT2H-1	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRPADDTANK	STORAGE TANKS/VESSELS	01ADDTANK1, 01ADDTANK2, 01ADDTANK3, 02ADDTANK1, 02ADDTANK2, 02ADDTANK3, 17ADDTANK1, 40ADDTANK2, 55ADDTANK, 60ADDTANK	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPCVSQQQ	CLOSED VENT SYSTEM	52FLORPWCC,	60QQQ	40 CFR Part 60, Subpart	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
	AND CONTROL DEVICE	60CGNPWCC, 60CGNSWCC, 67NBPCC, 67NSWCC, 67SBPCC, 67SSWCC		QQQ	
GRPDOCKTKS	STORAGE TANKS/VESSELS	45DOCK45V1, 45DOCK45V2, 45DOCK45V3, 45DOCKV104	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPEQTANKS	STORAGE TANKS/VESSELS	67EQTK401A, 67EQTK401B, 67TANK0401C	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPEQTANKS	STORAGE TANKS/VESSELS	67EQTK401A, 67EQTK401B, 67TANK0401C	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG, 50TDPFUGS, 55FCCUFUGS, NESHAPSFUG	R5352ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG, 50TDPFUGS, 55FCCUFUGS, NESHAPSFUG	63CCVV-ALL	40 CFR Part 63, Subpart CC	COMPLY W/ 60.482-8 = YES, EQUIVALENT EMISSION LIMIT = NO

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG, 50TDPFUGS, 55FCCUFUGS, NESHAPSFUG	63CCVV- PRDGV01	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG, 50TDPFUGS, 55FCCUFUGS, NESHAPSFUG	63CCVV- PRDGV02	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG, 50TDPFUGS, 55FCCUFUGS, NESHAPSFUG	63CCVV- PRDGV03	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG, 50TDPFUGS, 55FCCUFUGS, NESHAPSFUG	63CCVV- PRDGV04	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG, 50TDPFUGS, 55FCCUFUGS, NESHAPSFUG	63CCVV- PRDGV05	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG, 50TDPFUGS, 55FCCUFUGS, NESHAPSFUG	63CCVV- PRDGV06	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG, 50TDPFUGS, 55FCCUFUGS, NESHAPSFUG	63CCVV- PRDGV07	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES



**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG, 50TDPFUGS, 55FCCUFUGS, NESHAPSFUG	63CCVV- PRDGV08	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG, 50TDPFUGS, 55FCCUFUGS, NESHAPSFUG	63CCVV- PRDGV09	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG, 50TDPFUGS, 55FCCUFUGS, NESHAPSFUG	63CCVV- PRDGV10	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG, 50TDPFUGS, 55FCCUFUGS, NESHAPSFUG	63CCVV- PRDGV13	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG, 50TDPFUGS, 55FCCUFUGS, NESHAPSFUG	63CCVV- PRDGV14	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG, 50TDPFUGS, 55FCCUFUGS, NESHAPSFUG	63CCVV- PRDLL01	40 CFR Part 63, Subpart CC	63.684(j)(5) Exemptions = The pressure relief device meets a condition in § 63.648(j)(5)(ii)-(vi), PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG, 50TDPFUGS, 55FCCUFUGS, NESHAPSFUG	63CCVV- PRDLL02	40 CFR Part 63, Subpart CC	63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG, 50TDPFUGS, 55FCCUFUGS, NESHAPSFUG	63CCVV- PRDLL03	40 CFR Part 63, Subpart CC	Control Device Type = All releases and potential leaks from a pressure relief device are routed back into the process, 63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG,	63CCVV- PRDLL04	40 CFR Part 63, Subpart CC	Control Device Type = All releases and potential leaks from a pressure relief device are routed to a fuel gas system, 63.684(j)(5) Exemptions = The pressure relief device does not

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		50TDPFUGS, 55FCCUFUGS, NESHAPSFUG			meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG, 50TDPFUGS, 55FCCUFUGS, NESHAPSFUG	63CCVV- PRDLL05	40 CFR Part 63, Subpart CC	Control Device Type = Flare, 63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG,	63CCVV- PRDLL06	40 CFR Part 63, Subpart CC	Control Device Type = Incinerator other than a catalytic incinerator, 63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		50TDPFUGS, 55FCCUFUGS, NESHAPSFUG			(vi), Alternate Parameter Monitoring = Approval was not obtained to monitor an alternate parameter to those specified in § 63.644(a), Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH	FUGITIVE EMISSION UNITS	01ACU1FUGS, 04BTXTKFUG, 04SULFFUGS, 22BZNTKFUG, 45DOCK3FUG, 50TDPFUGS, 55FCCUFUGS, NESHAPSFUG	63H-ALL	40 CFR Part 63, Subpart H	No changing attributes.
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG, 22OSFTKFUG, 22TKFMFUGS	R5352-ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG, 22OSFTKFUG,	60GGG-ALL	40 CFR Part 60, Subpart GGG	No changing attributes.

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		22TKFMFUGS			
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG, 22OSFTKFUG, 22TKFMFUGS	63CCVV-ALL	40 CFR Part 63, Subpart CC	COMPLY W/ 60.482-8 = YES, EQUIVALENT EMISSION LIMIT = NO
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG, 22OSFTKFUG, 22TKFMFUGS	63CCVV- PRDGV01	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG, 22OSFTKFUG, 22TKFMFUGS	63CCVV- PRDGV02	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG, 22OSFTKFUG, 22TKFMFUGS	63CCVV- PRDGV03	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG, 22OSFTKFUG,	63CCVV- PRDGV04	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		22TKFMFUGS			operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG, 22OSFTKFUG, 22TKFMFUGS	63CCVV- PRDGV05	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG, 22OSFTKFUG, 22TKFMFUGS	63CCVV- PRDGV06	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG,	63CCVV- PRDGV07	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		22OSFTKFUG, 22TKFMFUGS			device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG, 22OSFTKFUG, 22TKFMFUGS	63CCVV- PRDGV08	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG, 22OSFTKFUG, 22TKFMFUGS	63CCVV- PRDGV09	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH1	FUGITIVE EMISSION	04BTXFUGS,	63CCVV-	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and



**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	UNITS	09SATLQFUG, 22OSFTKFUG, 22TKFMFUGS	PRDGV10		releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG, 22OSFTKFUG, 22TKFMFUGS	63CCVV- PRDGV13	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG, 22OSFTKFUG, 22TKFMFUGS	63CCVV- PRDGV14	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG, 22OSFTKFUG, 22TKFMFUGS	63CCVV- PRDLL01	40 CFR Part 63, Subpart CC	63.684(j)(5) Exemptions = The pressure relief device meets a condition in § 63.648(j)(5)(ii)-(vi), PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG, 22OSFTKFUG, 22TKFMFUGS	63CCVV- PRDLL02	40 CFR Part 63, Subpart CC	63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG, 22OSFTKFUG, 22TKFMFUGS	63CCVV- PRDLL03	40 CFR Part 63, Subpart CC	Control Device Type = All releases and potential leaks from a pressure relief device are routed back into the process, 63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO,

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG, 22OSFTKFUG, 22TKFMFUGS	63CCVV- PRDLL04	40 CFR Part 63, Subpart CC	Control Device Type = All releases and potential leaks from a pressure relief device are routed to a fuel gas system, 63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG, 22OSFTKFUG, 22TKFMFUGS	63CCVV- PRDLL05	40 CFR Part 63, Subpart CC	Control Device Type = Flare, 63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT =

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG, 22OSFTKFUG, 22TKFMFUGS	63CCVV- PRDLL06	40 CFR Part 63, Subpart CC	Control Device Type = Incinerator other than a catalytic incinerator, 63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)- (vi), Alternate Parameter Monitoring = Approval was not obtained to monitor an alternate parameter to those specified in § 63.644(a), Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-CCH1	FUGITIVE EMISSION UNITS	04BTXFUGS, 09SATLQFUG, 22OSFTKFUG, 22TKFMFUGS	63H-ALL	40 CFR Part 63, Subpart H	No changing attributes.
GRPFUG-GGGA	FUGITIVE EMISSION UNITS	06VDU2FUGS, 17REFFUGS, 19PSAFUGS, 30CKRFUGS,	R5352ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		31KNHTHFUGS, 43DHT3FUGS, 47SWS4FUGS			
GRPFUG-GGGA	FUGITIVE EMISSION UNITS	06VDU2FUGS, 17REFFUGS, 19PSAFUGS, 30CKRFUGS, 31KNHTHFUGS, 43DHT3FUGS, 47SWS4FUGS	60GGGA-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
GRPFUG-GGGA	FUGITIVE EMISSION UNITS	06VDU2FUGS, 17REFFUGS, 19PSAFUGS, 30CKRFUGS, 31KNHTHFUGS, 43DHT3FUGS, 47SWS4FUGS	63CCVV-ALL	40 CFR Part 63, Subpart CC	COMPLY W/ 60.482-8 = YES, EQUIVALENT EMISSION LIMIT = NO
GRPFUG-GGGA	FUGITIVE EMISSION UNITS	06VDU2FUGS, 17REFFUGS, 19PSAFUGS, 30CKRFUGS, 31KNHTHFUGS, 43DHT3FUGS, 47SWS4FUGS	63CCVV- PRDGV01	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-GGGA	FUGITIVE EMISSION UNITS	06VDU2FUGS, 17REFFUGS, 19PSAFUGS, 30CKRFUGS, 31KNHTHFUGS, 43DHT3FUGS, 47SWS4FUGS	63CCVV- PRDGV02	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPFUG-GGGA	FUGITIVE EMISSION UNITS	06VDU2FUGS, 17REFFUGS, 19PSAFUGS, 30CKRFUGS, 31KNHTHFUGS, 43DHT3FUGS, 47SWS4FUGS	63CCVV- PRDGV03	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-GGGA	FUGITIVE EMISSION UNITS	06VDU2FUGS, 17REFFUGS, 19PSAFUGS, 30CKRFUGS, 31KNHTHFUGS, 43DHT3FUGS, 47SWS4FUGS	63CCVV- PRDGV04	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-GGGA	FUGITIVE EMISSION UNITS	06VDU2FUGS, 17REFFUGS, 19PSAFUGS, 30CKRFUGS, 31KNHTHFUGS, 43DHT3FUGS, 47SWS4FUGS	63CCVV- PRDGV06	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-GGGA	FUGITIVE EMISSION UNITS	06VDU2FUGS, 17REFFUGS, 19PSAFUGS, 30CKRFUGS,	63CCVV- PRDGV07	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		31KNHTHFUGS, 43DHT3FUGS, 47SWS4FUGS			as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-GGGA	FUGITIVE EMISSION UNITS	06VDU2FUGS, 17REFFUGS, 19PSAFUGS, 30CKRFUGS, 31KNHTHFUGS, 43DHT3FUGS, 47SWS4FUGS	63CCVV- PRDGV08	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-GGGA	FUGITIVE EMISSION UNITS	06VDU2FUGS, 17REFFUGS, 19PSAFUGS, 30CKRFUGS, 31KNHTHFUGS, 43DHT3FUGS, 47SWS4FUGS	63CCVV- PRDGV10	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-GGGA	FUGITIVE EMISSION UNITS	06VDU2FUGS, 17REFFUGS, 19PSAFUGS, 30CKRFUGS, 31KNHTHFUGS, 43DHT3FUGS, 47SWS4FUGS	63CCVV- PRDGV13	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-GGGA	FUGITIVE EMISSION UNITS	06VDU2FUGS, 17REFFUGS, 19PSAFUGS, 30CKRFUGS, 31KNHTHFUGS, 43DHT3FUGS, 47SWS4FUGS	63CCVV- PRDLL01	40 CFR Part 63, Subpart CC	63.684(j)(5) Exemptions = The pressure relief device meets a condition in § 63.648(j)(5)(ii)-(vi), PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-GGGA	FUGITIVE EMISSION UNITS	06VDU2FUGS, 17REFFUGS, 19PSAFUGS, 30CKRFUGS, 31KNHTHFUGS, 43DHT3FUGS, 47SWS4FUGS	63CCVV- PRDLL02	40 CFR Part 63, Subpart CC	63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-GGGA	FUGITIVE EMISSION UNITS	06VDU2FUGS, 17REFFUGS, 19PSAFUGS, 30CKRFUGS, 31KNHTHFUGS, 43DHT3FUGS, 47SWS4FUGS	63CCVV- PRDLL03	40 CFR Part 63, Subpart CC	Control Device Type = All releases and potential leaks from a pressure relief device are routed back into the process, 63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases



**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-GGGA	FUGITIVE EMISSION UNITS	06VDU2FUGS, 17REFFUGS, 19PSAFUGS, 30CKRFUGS, 31KNHTHFUGS, 43DHT3FUGS, 47SWS4FUGS	63CCVV- PRDLL04	40 CFR Part 63, Subpart CC	Control Device Type = All releases and potential leaks from a pressure relief device are routed to a fuel gas system, 63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-GGGA	FUGITIVE EMISSION UNITS	06VDU2FUGS, 17REFFUGS, 19PSAFUGS, 30CKRFUGS, 31KNHTHFUGS, 43DHT3FUGS, 47SWS4FUGS	63CCVV- PRDLL05	40 CFR Part 63, Subpart CC	Control Device Type = Flare, 63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), Continuous Operating Parameter

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC	FUGITIVE EMISSION UNITS	01VACTFUGS, 02ACU2FUGS, 14FGTFUGS, 14SRU1FUGS, 16ISOMFUGS, 17FGRCFUG, 17NHTFUGS, 20GASTRKFG, 20MOGASBLD, 22CRTNKFUG, 22TKDCPFUG, 37SWS2FUGS, 40CSPLTFUG, 45DOCK1FUG, 51DHT1FUGS, 52DHT2FUGS, 55JETTRFUG, 55OFFGSFUG, 58GSHDSFUG, 58GSUDSFUG, 67C200AFUG, 67C200FUGS, RECOILFUG	R5352ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
GRPFUG-R5CC	FUGITIVE EMISSION UNITS	01VACTFUGS, 02ACU2FUGS, 14FGTFUGS,	63CCVV-ALL	40 CFR Part 63, Subpart CC	COMPLY W/ 60.482-8 = YES, EQUIVALENT EMISSION LIMIT = NO

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		14SRU1FUGS, 16ISOMFUGS, 17FGRCFUG, 17NHTFUGS, 20GASTRKFG, 20MOGASBLD, 22CRTNKFUG, 22TKDCPFUG, 37SWS2FUGS, 40CSPLTFUG, 45DOCK1FUG, 51DHT1FUGS, 52DHT2FUGS, 55JETTRFUG, 55OFFGSFUG, 58GSHDSFUG, 58GSUDSFUG, 67C200AFUG, 67C200FUGS, RECOILFUG			
GRPFUG-R5CC	FUGITIVE EMISSION UNITS	01VACTFUGS, 02ACU2FUGS, 14FGTFUGS, 14SRU1FUGS, 16ISOMFUGS, 17FGRCFUG, 17NHTFUGS, 20GASTRKFG, 20MOGASBLD, 22CRTNKFUG, 22TKDCPFUG, 37SWS2FUGS, 40CSPLTFUG, 45DOCK1FUG, 51DHT1FUGS,	63CCVV- PRDGV01	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		52DHT2FUGS, 55JETTRFUG, 55OFFGSFUG, 58GSHDSFUG, 58GSUDSFUG, 67C200AFUG, 67C200FUGS, RECOILFUG			
GRPFUG-R5CC	FUGITIVE EMISSION UNITS	01VACTFUGS, 02ACU2FUGS, 14FGTFUGS, 14SRU1FUGS, 16ISOMFUGS, 17FGRCFUGS, 17NHTFUGS, 20GASTRKFG, 20MOGASBLD, 22CRTNKFUG, 22TKDCPFUG, 37SWS2FUGS, 40CSPLTFUG, 45DOCK1FUG, 51DHT1FUGS, 52DHT2FUGS, 55JETTRFUG, 55OFFGSFUG, 58GSHDSFUG, 58GSUDSFUG, 67C200AFUG, 67C200FUGS, RECOILFUG	63CCVV- PRDGV02	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC	FUGITIVE EMISSION UNITS	01VACTFUGS, 02ACU2FUGS, 14FGTFUGS,	63CCVV- PRDGV03	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		14SRU1FUGS, 16ISOMFUGS, 17FGRCFUG, 17NHTFUGS, 20GASTRKFG, 20MOGASBLD, 22CRTNKFUG, 22TKDCPFUG, 37SWS2FUGS, 40CSPLTFUG, 45DOCK1FUG, 51DHT1FUGS, 52DHT2FUGS, 55JETTRFUG, 55OFFGSFUG, 58GSHDSFUG, 58GSUDSFUG, 67C200AFUG, 67C200FUGS, RECOILFUG			device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC	FUGITIVE EMISSION UNITS	01VACTFUGS, 02ACU2FUGS, 14FGTFUGS, 14SRU1FUGS, 16ISOMFUGS, 17FGRCFUG, 17NHTFUGS, 20GASTRKFG, 20MOGASBLD, 22CRTNKFUG, 22TKDCPFUG, 37SWS2FUGS, 40CSPLTFUG, 45DOCK1FUG, 51DHT1FUGS,	63CCVV-PRDGV04	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		52DHT2FUGS, 55JETTRFUG, 55OFFGSFUG, 58GSHDSFUG, 58GSUDSFUG, 67C200AFUG, 67C200FUGS, RECOILFUG			
GRPFUG-R5CC	FUGITIVE EMISSION UNITS	01VACTFUGS, 02ACU2FUGS, 14FGTFUGS, 14SRU1FUGS, 16ISOMFUGS, 17FGRCFUG, 17NHTFUGS, 20GASTRKFG, 20MOGASBLD, 22CRTNKFUG, 22TKDCPFUG, 37SWS2FUGS, 40CSPLTFUG, 45DOCK1FUG, 51DHT1FUGS, 52DHT2FUGS, 55JETTRFUG, 55OFFGSFUG, 58GSHDSFUG, 58GSUDSFUG, 67C200AFUG, 67C200FUGS, RECOILFUG	63CCVV- PRDGV05	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC	FUGITIVE EMISSION UNITS	01VACTFUGS, 02ACU2FUGS, 14FGTFUGS,	63CCVV- PRDGV06	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		14SRU1FUGS, 16ISOMFUGS, 17FGRCFUG, 17NHTFUGS, 20GASTRKFG, 20MOGASBLD, 22CRTNKFUG, 22TKDCPFUG, 37SWS2FUGS, 40CSPLTFUG, 45DOCK1FUG, 51DHT1FUGS, 52DHT2FUGS, 55JETTRFUG, 55OFFGSFUG, 58GSHDSFUG, 58GSUDSFUG, 67C200AFUG, 67C200FUGS, RECOILFUG			device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC	FUGITIVE EMISSION UNITS	01VACTFUGS, 02ACU2FUGS, 14FGTFUGS, 14SRU1FUGS, 16ISOMFUGS, 17FGRCFUG, 17NHTFUGS, 20GASTRKFG, 20MOGASBLD, 22CRTNKFUG, 22TKDCPFUG, 37SWS2FUGS, 40CSPLTFUG, 45DOCK1FUG, 51DHT1FUGS,	63CCVV- PRDGV07	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		52DHT2FUGS, 55JETTRFUG, 55OFFGSFUG, 58GSHDSFUG, 58GSUDSFUG, 67C200AFUG, 67C200FUGS, RECOILFUG			
GRPFUG-R5CC	FUGITIVE EMISSION UNITS	01VACTFUGS, 02ACU2FUGS, 14FGTFUGS, 14SRU1FUGS, 16ISOMFUGS, 17FGRCFUG, 17NHTFUGS, 20GASTRKFG, 20MOGASBLD, 22CRTNKFUG, 22TKDCPFUG, 37SWS2FUGS, 40CSPLTFUG, 45DOCK1FUG, 51DHT1FUGS, 52DHT2FUGS, 55JETTRFUG, 55OFFGSFUG, 58GSHDSFUG, 58GSUDSFUG, 67C200AFUG, 67C200FUGS, RECOILFUG	63CCVV- PRDGV08	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC	FUGITIVE EMISSION UNITS	01VACTFUGS, 02ACU2FUGS, 14FGTFUGS,	63CCVV- PRDGV09	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous



**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		14SRU1FUGS, 16ISOMFUGS, 17FGRCFUG, 17NHTFUGS, 20GASTRKFG, 20MOGASBLD, 22CRTNKFUG, 22TKDCPFUG, 37SWS2FUGS, 40CSPLTFUG, 45DOCK1FUG, 51DHT1FUGS, 52DHT2FUGS, 55JETTRFUG, 55OFFGSFUG, 58GSHDSFUG, 58GSUDSFUG, 67C200AFUG, 67C200FUGS, RECOILFUG			operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC	FUGITIVE EMISSION UNITS	01VACTFUGS, 02ACU2FUGS, 14FGTFUGS, 14SRU1FUGS, 16ISOMFUGS, 17FGRCFUG, 17NHTFUGS, 20GASTRKFG, 20MOGASBLD, 22CRTNKFUG, 22TKDCPFUG, 37SWS2FUGS, 40CSPLTFUG, 45DOCK1FUG, 51DHT1FUGS,	63CCVV-PRDGV10	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		52DHT2FUGS, 55JETTRFUG, 55OFFGSFUG, 58GSHDSFUG, 58GSUDSFUG, 67C200AFUG, 67C200FUGS, RECOILFUG			
GRPFUG-R5CC	FUGITIVE EMISSION UNITS	01VACTFUGS, 02ACU2FUGS, 14FGTFUGS, 14SRU1FUGS, 16ISOMFUGS, 17FGRCFUG, 17NHTFUGS, 20GASTRKFUG, 20MOGASBLD, 22CRTNKFUG, 22TKDCPFUG, 37SWS2FUGS, 40CSPLTFUG, 45DOCK1FUG, 51DHT1FUGS, 52DHT2FUGS, 55JETTRFUG, 55OFFGSFUG, 58GSHDSFUG, 58GSUDSFUG, 67C200AFUG, 67C200FUGS, RECOILFUG	63CCVV- PRDGV13	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC	FUGITIVE EMISSION UNITS	01VACTFUGS, 02ACU2FUGS, 14FGTFUGS,	63CCVV- PRDGV14	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		14SRU1FUGS, 16ISOMFUGS, 17FGRCFUG, 17NHTFUGS, 20GASTRKFG, 20MOGASBLD, 22CRTNKFUG, 22TKDCPFUG, 37SWS2FUGS, 40CSPLTFUG, 45DOCK1FUG, 51DHT1FUGS, 52DHT2FUGS, 55JETTRFUG, 55OFFGSFUG, 58GSHDSFUG, 58GSUDSFUG, 67C200AFUG, 67C200FUGS, RECOILFUG			operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC	FUGITIVE EMISSION UNITS	01VACTFUGS, 02ACU2FUGS, 14FGTFUGS, 14SRU1FUGS, 16ISOMFUGS, 17FGRCFUG, 17NHTFUGS, 20GASTRKFG, 20MOGASBLD, 22CRTNKFUG, 22TKDCPFUG, 37SWS2FUGS, 40CSPLTFUG, 45DOCK1FUG, 51DHT1FUGS,	63CCVV-PRDLL01	40 CFR Part 63, Subpart CC	63.684(j)(5) Exemptions = The pressure relief device meets a condition in § 63.648(j)(5)(ii)-(vi), PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		52DHT2FUGS, 55JETTRFUG, 55OFFGSFUG, 58GSHDSFUG, 58GSUDSFUG, 67C200AFUG, 67C200FUGS, RECOILFUG			
GRPFUG-R5CC	FUGITIVE EMISSION UNITS	01VACTFUGS, 02ACU2FUGS, 14FGTFUGS, 14SRU1FUGS, 16ISOMFUGS, 17FGRCFUG, 17NHTFUGS, 20GASTRKFG, 20MOGASBLD, 22CRTNKFUG, 22TKDCPFUG, 37SWS2FUGS, 40CSPLTFUG, 45DOCK1FUG, 51DHT1FUGS, 52DHT2FUGS, 55JETTRFUG, 55OFFGSFUG, 58GSHDSFUG, 58GSUDSFUG, 67C200AFUG, 67C200FUGS, RECOILFUG	63CCVV- PRDLL02	40 CFR Part 63, Subpart CC	63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC	FUGITIVE EMISSION UNITS	01VACTFUGS, 02ACU2FUGS, 14FGTFUGS,	63CCVV- PRDLL03	40 CFR Part 63, Subpart CC	Control Device Type = All releases and potential leaks from a pressure relief device are routed back into the

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		14SRU1FUGS, 16ISOMFUGS, 17FGRCFUG, 17NHTFUGS, 20GASTRKFG, 20MOGASBLD, 22CRTNKFUG, 22TKDCPFUG, 37SWS2FUGS, 40CSPLTFUG, 45DOCK1FUG, 51DHT1FUGS, 52DHT2FUGS, 55JETTRFUG, 55OFFGSFUG, 58GSHDSFUG, 58GSUDSFUG, 67C200AFUG, 67C200FUGS, RECOILFUG			process, 63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC	FUGITIVE EMISSION UNITS	01VACTFUGS, 02ACU2FUGS, 14FGTFUGS, 14SRU1FUGS, 16ISOMFUGS, 17FGRCFUG, 17NHTFUGS, 20GASTRKFG, 20MOGASBLD, 22CRTNKFUG, 22TKDCPFUG, 37SWS2FUGS, 40CSPLTFUG, 45DOCK1FUG, 51DHT1FUGS,	63CCVV- PRDLL04	40 CFR Part 63, Subpart CC	Control Device Type = All releases and potential leaks from a pressure relief device are routed to a fuel gas system, 63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 =

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		52DHT2FUGS, 55JETTRFUG, 55OFFGSFUG, 58GSHDSFUG, 58GSUDSFUG, 67C200AFUG, 67C200FUGS, RECOILFUG			YES
GRPFUG-R5CC	FUGITIVE EMISSION UNITS	01VACTFUGS, 02ACU2FUGS, 14FGTFUGS, 14SRU1FUGS, 16ISOMFUGS, 17FGRCFUG, 17NHTFUGS, 20GASTRKFUG, 20MOGASBLD, 22CRTNKFUG, 22TKDCPFUG, 37SWS2FUGS, 40CSPLTFUG, 45DOCK1FUG, 51DHT1FUGS, 52DHT2FUGS, 55JETTRFUG, 55OFFGSFUG, 58GSHDSFUG, 58GSUDSFUG, 67C200AFUG, 67C200FUGS, RECOILFUG	63CCVV- PRDLL05	40 CFR Part 63, Subpart CC	Control Device Type = Flare, 63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)- (vi), Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC	FUGITIVE EMISSION UNITS	01VACTFUGS, 02ACU2FUGS, 14FGTFUGS,	63CCVV- PRDLL06	40 CFR Part 63, Subpart CC	Control Device Type = Incinerator other than a catalytic incinerator, 63.684(j)(5) Exemptions = The

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		14SRU1FUGS, 16ISOMFUGS, 17FGRCFUG, 17NHTFUGS, 20GASTRKFUG, 20MOGASBLD, 22CRTNKFUG, 22TKDCPFUG, 37SWS2FUGS, 40CSPLTFUG, 45DOCK1FUG, 51DHT1FUGS, 52DHT2FUGS, 55JETTRFUG, 55OFFGSFUG, 58GSHDSFUG, 58GSUDSFUG, 67C200AFUG, 67C200FUGS, RECOILFUG			pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Alternate Parameter Monitoring = Approval was not obtained to monitor an alternate parameter to those specified in § 63.644(a), Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC3G	FUGITIVE EMISSION UNITS	08ALKYFUGS, 10DEMEXFUG, 13UNIBFUGS, 15SCOTFUG, 22GOTKFUG, 28LPGFUGS, 33SRU3FUGS, 38SWS1FUGS	R5352ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
GRPFUG-R5CC3G	FUGITIVE EMISSION UNITS	08ALKYFUGS, 10DEMEXFUG, 13UNIBFUGS, 15SCOTFUG, 22GOTKFUG, 28LPGFUGS,	60GGG-ALL	40 CFR Part 60, Subpart GGG	No changing attributes.

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		33SRU3FUGS, 38SWS1FUGS			
GRPFUG-R5CC3G	FUGITIVE EMISSION UNITS	08ALKYFUGS, 10DEMEXFUG, 13UNIBFUGS, 15SCOTFUG, 22GOTKFUG, 28LPGFUGS, 33SRU3FUGS, 38SWS1FUGS	63CCVV-ALL	40 CFR Part 63, Subpart CC	EQUIVALENT EMISSION LIMIT = NO
GRPFUG-R5CC3G	FUGITIVE EMISSION UNITS	08ALKYFUGS, 10DEMEXFUG, 13UNIBFUGS, 15SCOTFUG, 22GOTKFUG, 28LPGFUGS, 33SRU3FUGS, 38SWS1FUGS	63CCVV- PRDGV01	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC3G	FUGITIVE EMISSION UNITS	08ALKYFUGS, 10DEMEXFUG, 13UNIBFUGS, 15SCOTFUG, 22GOTKFUG, 28LPGFUGS, 33SRU3FUGS, 38SWS1FUGS	63CCVV- PRDGV02	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC3G	FUGITIVE EMISSION UNITS	08ALKYFUGS, 10DEMEXFUG, 13UNIBFUGS, 15SCOTFUG, 22GOTKFUG, 28LPGFUGS, 33SRU3FUGS,	63CCVV- PRDGV03	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8



**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		38SWS1FUGS			= YES
GRPFUG-R5CC3G	FUGITIVE EMISSION UNITS	08ALKYFUGS, 10DEMEXFUG, 13UNIBFUGS, 15SCOTFUG, 22GOTKFUG, 28LPGFUGS, 33SRU3FUGS, 38SWS1FUGS	63CCVV- PRDGV04	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC3G	FUGITIVE EMISSION UNITS	08ALKYFUGS, 10DEMEXFUG, 13UNIBFUGS, 15SCOTFUG, 22GOTKFUG, 28LPGFUGS, 33SRU3FUGS, 38SWS1FUGS	63CCVV- PRDGV06	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC3G	FUGITIVE EMISSION UNITS	08ALKYFUGS, 10DEMEXFUG, 13UNIBFUGS, 15SCOTFUG, 22GOTKFUG, 28LPGFUGS, 33SRU3FUGS, 38SWS1FUGS	63CCVV- PRDGV07	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC3G	FUGITIVE EMISSION UNITS	08ALKYFUGS, 10DEMEXFUG, 13UNIBFUGS,	63CCVV- PRDGV08	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		15SCOTFUG, 22GOTKFUG, 28LPGFUGS, 33SRU3FUGS, 38SWS1FUGS			operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC3G	FUGITIVE EMISSION UNITS	08ALKYFUGS, 10DEMEXFUG, 13UNIBFUGS, 15SCOTFUG, 22GOTKFUG, 28LPGFUGS, 33SRU3FUGS, 38SWS1FUGS	63CCVV- PRDGV10	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC3G	FUGITIVE EMISSION UNITS	08ALKYFUGS, 10DEMEXFUG, 13UNIBFUGS, 15SCOTFUG, 22GOTKFUG, 28LPGFUGS, 33SRU3FUGS, 38SWS1FUGS	63CCVV- PRDGV13	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC3G	FUGITIVE EMISSION UNITS	08ALKYFUGS, 10DEMEXFUG,	63CCVV- PRDLL01	40 CFR Part 63, Subpart CC	63.684(j)(5) Exemptions = The pressure relief device meets a

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		13UNIBFUGS, 15SCOTFUG, 22GOTKFUG, 28LPGFUGS, 33SRU3FUGS, 38SWS1FUGS			condition in § 63.648(j)(5)(ii)-(vi), PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC3G	FUGITIVE EMISSION UNITS	08ALKYFUGS, 10DEMEXFUG, 13UNIBFUGS, 15SCOTFUG, 22GOTKFUG, 28LPGFUGS, 33SRU3FUGS, 38SWS1FUGS	63CCVV- PRDLL02	40 CFR Part 63, Subpart CC	63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)- (vi), Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC3G	FUGITIVE EMISSION UNITS	08ALKYFUGS, 10DEMEXFUG, 13UNIBFUGS, 15SCOTFUG, 22GOTKFUG, 28LPGFUGS, 33SRU3FUGS, 38SWS1FUGS	63CCVV- PRDLL03	40 CFR Part 63, Subpart CC	Control Device Type = All releases and potential leaks from a pressure relief device are routed back into the process, 63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 =

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					YES
GRPFUG-R5CC3G	FUGITIVE EMISSION UNITS	08ALKYFUGS, 10DEMEXFUG, 13UNIBFUGS, 15SCOTFUG, 22GOTKFUG, 28LPGFUGS, 33SRU3FUGS, 38SWS1FUGS	63CCVV- PRDLL04	40 CFR Part 63, Subpart CC	Control Device Type = All releases and potential leaks from a pressure relief device are routed to a fuel gas system, 63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8 = YES
GRPFUG-R5CC3G	FUGITIVE EMISSION UNITS	08ALKYFUGS, 10DEMEXFUG, 13UNIBFUGS, 15SCOTFUG, 22GOTKFUG, 28LPGFUGS, 33SRU3FUGS, 38SWS1FUGS	63CCVV- PRDLL05	40 CFR Part 63, Subpart CC	Control Device Type = Flare, 63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, PRD LIGHT LIQUID SERVICE = YES, EQUIVALENT EMISSION LIMIT = NO, COMPLYING WITH §60.482-8

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					= YES
GRPFUG-R5GGG	FUGITIVE EMISSION UNITS	60COGENFUG, 61BLR99FUG	R5352ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
GRPFUG-R5GGG	FUGITIVE EMISSION UNITS	60COGENFUG, 61BLR99FUG	60GGG-ALL	40 CFR Part 60, Subpart GGG	No changing attributes.
GRPFUG- R5GGGA	FUGITIVE EMISSION UNITS	17LPGRCFUG, 34SRU4FUGS, 35SRU5FUGS, 39SWS3FUGS, 42FGTFUGS	R5352ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
GRPFUG- R5GGGA	FUGITIVE EMISSION UNITS	17LPGRCFUG, 34SRU4FUGS, 35SRU5FUGS, 39SWS3FUGS, 42FGTFUGS	60GGGA-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.
GRPFUG- R5GGGA	FUGITIVE EMISSION UNITS	17LPGRCFUG, 34SRU4FUGS, 35SRU5FUGS, 39SWS3FUGS, 42FGTFUGS	63CCVV- PRDGV01	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i)
GRPFUG- R5GGGA	FUGITIVE EMISSION UNITS	17LPGRCFUG, 34SRU4FUGS, 35SRU5FUGS, 39SWS3FUGS, 42FGTFUGS	63CCVV- PRDGV02	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i)
GRPFUG- R5GGGA	FUGITIVE EMISSION UNITS	17LPGRCFUG, 34SRU4FUGS, 35SRU5FUGS, 39SWS3FUGS, 42FGTFUGS	63CCVV- PRDGV03	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i)
GRPFUG-	FUGITIVE EMISSION	17LPGRCFUG,	63CCVV-	40 CFR Part 63, Subpart CC	Continuous Operating Parameter

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
R5GGGA	UNITS	34SRU4FUGS, 35SRU5FUGS, 39SWS3FUGS, 42FGTFUGS	PRDGV04		Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i)
GRPFUG- R5GGGA	FUGITIVE EMISSION UNITS	17LPGRCFUG, 34SRU4FUGS, 35SRU5FUGS, 39SWS3FUGS, 42FGTFUGS	63CCVV- PRDGV06	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i)
GRPFUG- R5GGGA	FUGITIVE EMISSION UNITS	17LPGRCFUG, 34SRU4FUGS, 35SRU5FUGS, 39SWS3FUGS, 42FGTFUGS	63CCVV- PRDGV07	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i)
GRPFUG- R5GGGA	FUGITIVE EMISSION UNITS	17LPGRCFUG, 34SRU4FUGS, 35SRU5FUGS, 39SWS3FUGS, 42FGTFUGS	63CCVV- PRDGV08	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i)
GRPFUG- R5GGGA	FUGITIVE EMISSION UNITS	17LPGRCFUG, 34SRU4FUGS, 35SRU5FUGS, 39SWS3FUGS,	63CCVV- PRDGV10	40 CFR Part 63, Subpart CC	Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		42FGTFUGS			as described in § 63.648(j)(4)(i)
GRPFUG- R5GGGA	FUGITIVE EMISSION UNITS	17LPGRCFUG, 34SRU4FUGS, 35SRU5FUGS, 39SWS3FUGS, 42FGTFUGS	63CCVV- PRDGV13	40 CFR Part 63, Subpart CC	Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i)
GRPFUG- R5GGGA	FUGITIVE EMISSION UNITS	17LPGRCFUG, 34SRU4FUGS, 35SRU5FUGS, 39SWS3FUGS, 42FGTFUGS	63CCVV- PRDLL01	40 CFR Part 63, Subpart CC	63.684(j)(5) Exemptions = The pressure relief device meets a condition in § 63.648(j)(5)(ii)-(vi), PRD LIGHT LIQUID SERVICE = YES
GRPFUG- R5GGGA	FUGITIVE EMISSION UNITS	17LPGRCFUG, 34SRU4FUGS, 35SRU5FUGS, 39SWS3FUGS, 42FGTFUGS	63CCVV- PRDLL02	40 CFR Part 63, Subpart CC	63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases from the pressure relief device are not routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), PRD LIGHT LIQUID SERVICE = YES
GRPFUG- R5GGGA	FUGITIVE EMISSION UNITS	17LPGRCFUG, 34SRU4FUGS, 35SRU5FUGS, 39SWS3FUGS, 42FGTFUGS	63CCVV- PRDLL03	40 CFR Part 63, Subpart CC	Control Device Type = All releases and potential leaks from a pressure relief device are routed back into the process, 63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), PRD LIGHT LIQUID SERVICE = YES
GRPFUG- R5GGGA	FUGITIVE EMISSION UNITS	17LPGRCFUG, 34SRU4FUGS, 35SRU5FUGS, 39SWS3FUGS, 42FGTFUGS	63CCVV- PRDLL04	40 CFR Part 63, Subpart CC	Control Device Type = All releases and potential leaks from a pressure relief device are routed to a fuel gas system, 63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), PRD LIGHT LIQUID SERVICE = YES
GRPFUG- R5GGGA	FUGITIVE EMISSION UNITS	17LPGRCFUG, 34SRU4FUGS, 35SRU5FUGS, 39SWS3FUGS, 42FGTFUGS	63CCVV- PRDLL05	40 CFR Part 63, Subpart CC	Control Device Type = Flare, 63.684(j)(5) Exemptions = The pressure relief device does not meet any condition in § 63.648(j)(5)(ii)-(vi), Routing to Control = All leaks and releases from the pressure relief device are routed to control device, process, or fuel gas system as described in § 63.648(j)(4)(i), Continuous Operating Parameter Alternative = An approved alternative to the continuous operating parameter provisions of § 63.655(i) is not used, PRD LIGHT LIQUID SERVICE = YES



**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
GRPFUG-R5H	FUGITIVE EMISSION UNITS	04BTXWWFUG, 10GRUFUGS	R5352ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
GRPFUG-R5H	FUGITIVE EMISSION UNITS	04BTXWWFUG, 10GRUFUGS	63H-ALL	40 CFR Part 63, Subpart H	No changing attributes.
GRPFUG-R5QQQ	FUGITIVE EMISSION UNITS	01ACU1WWFG, 02ACU2WWFG, 08ALKYWWFG, 10DMXWWFUG, 13UNIWWFUG, 14ATUWWFUG, 14SR1WWFUG, 16ISOMWWFG, 17NHTWWFUG, 33SR2WWFUG, 37SWS2WWFG, 38SWS1WWFG, 40CSWWFUG, 45DOCK2FUG, 52FLWWFUG, 55FCCWWFUG, 60CGWWFUG, 67C200WWFG, NPWSFUG, SPWSFUG	R5352ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
GRPHEAT1	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	10GRUHTRB1, 16ISOMHTR1, 16ISOMHTR2, 50TDPH-1	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
GRPHEAT1	PROCESS HEATERS/FURNACES	10GRUHTRB1, 16ISOMHTR1, 16ISOMHTR2, 50TDPH-1	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
GRPHEAT2	PROCESS HEATERS/FURNACES	04BTXH-52, 04BTXH-53, 10DEMEXH-2, 10DEMEXH-4, 51DHT1H-1	R117-2	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRPHEAT2	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	04BTXH-52, 04BTXH-53, 10DEMEXH-2, 10DEMEXH-4, 51DHT1H-1, 51DHT1H-3	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
GRPHEAT2	PROCESS HEATERS/FURNACES	04BTXH-52, 04BTXH-53, 10DEMEXH-2, 10DEMEXH-4, 51DHT1H-1	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
GRPHEAT3A	PROCESS HEATERS/FURNACES	17NHTHTR1, 17NHTHTR2	R117-4	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRPHEAT3A	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	17NHTHTR1, 17NHTHTR2	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
GRPHEAT3A	PROCESS HEATERS/FURNACES	17NHTHTR1, 17NHTHTR2	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
GRPHEAT3B	PROCESS HEATERS/FURNACES	17REFHTR1, 17REFHTR2, 17REFHTR3, 17REFHTR4, 17REFHTR5, 17REFHTR6	R117-3	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRPHEAT3B	FCCU CAT REGEN/FUEL	17REFHTR1,	60J-1	40 CFR Part 60, Subpart J	No changing attributes.

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	GAS COMBUSTION/CLAUS SRU	17REFHTR2, 17REFHTR3, 17REFHTR4, 17REFHTR5, 17REFHTR6			
GRPHEAT3B	PROCESS HEATERS/FURNACES	17REFHTR1, 17REFHTR2, 17REFHTR3, 17REFHTR4, 17REFHTR5, 17REFHTR6	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
GRPHEAT5	PROCESS HEATERS/FURNACES	01ACU1202A, 01ACU1202B	R117-5	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRPHEAT5	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	01ACU1202A, 01ACU1202B	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
GRPHEAT5	PROCESS HEATERS/FURNACES	01ACU1202A, 01ACU1202B	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
GRPHONTK1	STORAGE TANKS/VESSELS	50TANK0928, 50TANK0929, 50TANK0930	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPHONTK1	STORAGE TANKS/VESSELS	50TANK0928, 50TANK0929, 50TANK0930	63G-1	40 CFR Part 63, Subpart G	No changing attributes.
GRPHONTK2	STORAGE TANKS/VESSELS	22TANK0572, 22TANK0588, 22TANK0650, 22TANK0651, 22TANK0913	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPHONTK2	STORAGE	22TANK0572,	63G-1	40 CFR Part 63, Subpart G	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
	TANKS/VESSELS	22TANK0588, 22TANK0650, 22TANK0651, 22TANK0913			
GRPHONTK4	STORAGE TANKS/VESSELS	22TANK0597, 22TANK0598, 22TANK0599	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPHONTK4	STORAGE TANKS/VESSELS	22TANK0597, 22TANK0598, 22TANK0599	63G-1	40 CFR Part 63, Subpart G	No changing attributes.
GRPKBTANK1	STORAGE TANKS/VESSELS	22TANK0480, 22TANK0481, 22TANK0482	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPKBTANK1	STORAGE TANKS/VESSELS	22TANK0480, 22TANK0481, 22TANK0482	60Kb-1	40 CFR Part 60, Subpart Kb	No changing attributes.
GRPKBTANK1	STORAGE TANKS/VESSELS	22TANK0480, 22TANK0481, 22TANK0482	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
GRPKBTANK2	STORAGE TANKS/VESSELS	22TANK0506, 22TANK0530	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPKBTANK2	STORAGE TANKS/VESSELS	22TANK0506, 22TANK0530	60Kb-1	40 CFR Part 60, Subpart Kb	No changing attributes.
GRPKBTANK2	STORAGE TANKS/VESSELS	22TANK0506, 22TANK0530	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
GRPKBTANK3	STORAGE TANKS/VESSELS	20TANK2000, 22TANK0524, 22TANK0537, 22TANK0558	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
GRPKBTANK3	STORAGE TANKS/VESSELS	20TANK2000, 22TANK0524, 22TANK0537, 22TANK0558	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
GRPKBTANK5	STORAGE TANKS/VESSELS	37TANK1002, 38TANK1000, 38TANK1001	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPKBTANK5	STORAGE TANKS/VESSELS	37TANK1002, 38TANK1000, 38TANK1001	60Kb-1	40 CFR Part 60, Subpart Kb	No changing attributes.
GRPKBTANK5	STORAGE TANKS/VESSELS	37TANK1002, 38TANK1000, 38TANK1001	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
GRPKTANK2	STORAGE TANKS/VESSELS	22TANK0452, 22TANK0453, 22TANK0454, 22TANK0455, 22TANK0475, 22TANK0476, 22TANK0477, 22TANK0478, 22TANK0479	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPKTANK2	STORAGE TANKS/VESSELS	22TANK0452, 22TANK0453, 22TANK0454, 22TANK0455, 22TANK0475, 22TANK0476, 22TANK0477, 22TANK0478, 22TANK0479	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
GRPLWVPTK3	STORAGE	22TANK0317,	R5112	30 TAC Chapter 115,	No changing attributes.

**Unit Summary**

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	TANKS/VESSELS	22TANK0441, 22TANK0516, 22TANK0526, 22TANK0536, 22TANK0559, 22TANK0560, 22TANK0561, 22TANK0586, 22TANK0587, 22TANK0589, 22TANK0902, 22TANK0917, 22TANK0918, 22TANK0924, 22TANK0934		Storage of VOCs	
GRPLWVPTK3	STORAGE TANKS/VESSELS	22TANK0317, 22TANK0441, 22TANK0516, 22TANK0526, 22TANK0536, 22TANK0559, 22TANK0560, 22TANK0561, 22TANK0586, 22TANK0587, 22TANK0589, 22TANK0902, 22TANK0917, 22TANK0918, 22TANK0924, 22TANK0934	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
GRPMACT1	STORAGE TANKS/VESSELS	22TANK0800, 22TANK0801, 22TANK0802	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
GRPMACT1	STORAGE TANKS/VESSELS	22TANK0800, 22TANK0801, 22TANK0802	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
GRPMACT3	STORAGE TANKS/VESSELS	22TANK0814, 22TANK0815	R5112-2	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPMACT3	STORAGE TANKS/VESSELS	22TANK0814, 22TANK0815	63CC	40 CFR Part 63, Subpart CC	No changing attributes.
GRPMACTTK2	STORAGE TANKS/VESSELS	22TANK0502, 22TANK0525, 22TANK0532, 22TANK0541, 22TANK0562, 22TANK0563, 22TANK0574, 22TANK0906, 22TANK0907, 22TANK0910	R115-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPMACTTK2	STORAGE TANKS/VESSELS	22TANK0502, 22TANK0525, 22TANK0532, 22TANK0541, 22TANK0562, 22TANK0563, 22TANK0574, 22TANK0906, 22TANK0907, 22TANK0910	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
GRPOWSFF	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	67NESHAPIA, 67NESHAPIB	R5131	30 TAC Chapter 115, Water Separation	No changing attributes.
GRPSRU-J	FCCU CAT REGEN/FUEL GAS	14SRU1PCV, 33SRU3PCV	60J-SR1	40 CFR Part 60, Subpart J	No changing attributes.

**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
	COMBUSTION/CLAUS SRU				
GRPSRU-JA	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	25SRU4PCV, 36SRU5PCV	60Ja-3	40 CFR Part 60, Subpart Ja	No changing attributes.
GRPSW500TK	STORAGE TANKS/VESSELS	67TANK500A, 67TANK500B, 67TANK500C	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPSW500TK	STORAGE TANKS/VESSELS	67TANK500A, 67TANK500B, 67TANK500C	60QQQ-1	40 CFR Part 60, Subpart QQQ	No changing attributes.
GRPTHON	STORAGE TANKS/VESSELS	22TANK0808, 22TANK0809, 22TANK0810	R5112-3	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTHON	STORAGE TANKS/VESSELS	22TANK0808, 22TANK0809, 22TANK0810	63G	40 CFR Part 63, Subpart G	No changing attributes.
GRPTHON2	STORAGE TANKS/VESSELS	22TANK0811, 22TANK0812, 22TANK0813	R5112-4	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTHON2	STORAGE TANKS/VESSELS	22TANK0811, 22TANK0812, 22TANK0813	60KB	40 CFR Part 60, Subpart Kb	No changing attributes.
GRPTHON2	STORAGE TANKS/VESSELS	22TANK0811, 22TANK0812, 22TANK0813	63G	40 CFR Part 63, Subpart G	No changing attributes.
H-400	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60DB-2	40 CFR Part 60, Subpart Db	No changing attributes.



**Unit Summary**

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
H-400	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	60Ja-4	40 CFR Part 60, Subpart Ja	No changing attributes.
H-400	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
PRO-BTX	CHEMICAL MANUFACTURING PROCESS	N/A	63F-1	40 CFR Part 63, Subpart F	No changing attributes.
PRO-EBU	TREATMENT PROCESS	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
PRO-TDP	CHEMICAL MANUFACTURING PROCESS	N/A	63F-1	40 CFR Part 63, Subpart F	No changing attributes.
PROSRU1&3	GAS SWEETENING/SULFUR RECOVERY UNITS	N/A	R1127	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
PROSRU1&3	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-005	40 CFR Part 63, Subpart UUU	No changing attributes.
PROSRU4-5	GAS SWEETENING/SULFUR RECOVERY UNITS	N/A	R1127	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
PROSRU4-5	FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU	N/A	63UUU-005	40 CFR Part 63, Subpart UUU	No changing attributes.
SOLIDLIQFUG	FUGITIVE EMISSION UNITS	N/A	R5352ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
TKAS2000	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	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)
01ACU1H101	EU	R7117-7	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).	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(a) § 117.140(b)(1) § 117.140(b)(3) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary	§ 117.145(a) § 117.145(f) § 117.145(f)(1) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [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)
01ACU1H101	EU	R7117-7	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.115(a) § 117.115(b) § 117.115(b)(2) § 117.115(f) § 117.115(f)(1) § 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.	[G]§ 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(b)(1) § 117.140(b)(3) § 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)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [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)
01ACU1H101	EU	60J-1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
01ACU1H101	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
01VACTH301	EU	R117-5	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%	[G]§ 117.135(a)(1) § 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)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(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)
						oxygen, dry basis, except as provided in § 117.125 or § 117.110(c)(3).	§ 117.140(b)(1) § 117.140(b)(3) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary		§ 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)
01VACTH301	EU	R117-5	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.115(a) § 117.115(b) § 117.115(b)(2) § 117.115(f) § 117.115(f)(1) § 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.	[G]§ 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(b)(1) § 117.140(b)(3) § 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)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)
01VACTH301	EU	60J-1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(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)
						mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).			
01VACTH301	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
02ACU2H201	EU	R117-3	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 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).	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(3) § 117.135(g) § 117.140(a) § 117.140(b)(1) § 117.140(b)(3) § 117.140(d) § 117.140(e) § 117.8100(a)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(7) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	§ 117.135(b) § 117.135(g) [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)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual 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) § 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) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8120 § 117.8120(1) § 117.8120(1)(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) § 117.8100(c)
02ACU2H20 1	EU	R117-3	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.115(a) § 117.115(b) [G]§ 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)	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	[G]§ 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(b)(1) § 117.140(b)(3) § 117.140(c)(1) [G]§ 117.140(c)(3) § 117.140(e)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	§ 117.135(b) § 117.135(g) [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)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						exceed the plant-wide emission specification as defined in § 117.10 of this title.	§ 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) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)		§ 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
02ACU2H201	EU	60J-1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
02ACU2H20	EU	63DDDDD	112(B)	40 CFR Part 63,	§ 63.7500(a)(1)-	A new or existing boiler or	§ 63.7515(d)	§ 63.7555(a)	[G]§ 63.7521(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)
1			HAPS	Subpart DDDDD	Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	[G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
04BTXH-51	EU	60J-1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
04BTXH-51	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(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)
						annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	[G]§ 63.7540(c)		§ 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
04TANK0941	EU	R115-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
04TANK0941	EU	63G-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(i) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(2)(i) § 63.120(a)(2)(ii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
04TANK0946	EU	R115-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
04TANK0946	EU	63G-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(ii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(2)(i) § 63.120(a)(2)(ii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
06VDU2CHTR	EU	60Ja-5	Hydrogen Sulfide	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(1)(ii) § 60.102a(a) § 60.102a(g) § 60.102a(g)(1) § 60.103a(c) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(5) [G]§ 60.103a(e)	For each fuel gas combustion device the owner or operator shall not burn in any fuel gas combustion device any fuel gas that contains H <sub>2</sub> S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis and H <sub>2</sub> S in excess of 60 ppmv determined daily on a 365 successive calendar day rolling average basis.	§ 60.104a(a) § 60.104a(c) [G]§ 60.104a(j) § 60.107a(a) § 60.107a(a)(2) § 60.107a(a)(2)(i) § 60.107a(a)(2)(ii) § 60.107a(a)(2)(iii) § 60.107a(a)(2)(iv) § 60.107a(i) § 60.107a(i)(1)(ii)	§ 60.108a(a) § 60.108a(c) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	§ 60.108a(a) § 60.108a(b) [G]§ 60.108a(d)
06VDU2CHTR	EU	60Ja-5	NO <sub>x</sub>	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(2)(ii)(B) § 60.102a(a) § 60.102a(g) § 60.102a(g)(2) § 60.102a(g)(2)(ii)	For each forced draft process heater with a rated capacity of greater than 40 MMBtu/hr on a higher heating value basis, the owner or operator shall not discharge to the atmosphere any emissions of NO <sub>x</sub> in excess of 0.060	§ 60.104a(a) § 60.104a(c) § 60.104a(i) § 60.104a(i)(1) § 60.104a(i)(2) § 60.104a(i)(3) § 60.104a(i)(5) § 60.104a(i)(7) § 60.104a(i)(8)	§ 60.108a(a) [G]§ 60.108a(d)	§ 60.108a(a) § 60.108a(b) [G]§ 60.108a(d)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						lb/MMBtu higher heating value basis determined daily on a 30-day rolling average basis.	§ 60.107a(c)(1) § 60.107a(c)(2) § 60.107a(c)(3) § 60.107a(c)(4) § 60.107a(c)(5) § 60.107a(c)(6) § 60.107a(d) § 60.107a(d)(1) § 60.107a(d)(3) [G]§ 60.107a(d)(4) § 60.107a(d)(8) § 60.107a(i) § 60.107a(i)(3) § 60.107a(i)(3)(ii)		
06VDU2CH TR	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
08TANK0668	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
08TANK0923	EU	R5112	VOC	30 TAC Chapter 115, Storage of	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank	[G]§ 115.117	§ 115.118(a)(1) § 115.118(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)
				VOCs		storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.		§ 115.118(a)(7)	
13UNIBH301	EU	R117-6	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 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).	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(3) § 117.135(g) § 117.140(a) § 117.140(b)(1) § 117.140(b)(3) § 117.140(e) § 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) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	§ 117.135(b) § 117.135(g) [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) § 117.8100(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)
13UNIBH301	EU	R117-6	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.115(a) § 117.115(b) [G]§ 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)	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.	[G]§ 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(b)(1) § 117.140(b)(3) § 117.140(c)(1) [G]§ 117.140(c)(3) § 117.140(e) § 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) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	§ 117.135(b) § 117.135(g) [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) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
13UNIBH301	EU	60J-1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(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)
						any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)		
13UNIBH301	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
14TANK0101	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
14TANK0101	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(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)
						meeting the criteria in §63.640(a) are part of the affected source.		§ 63.655(i)(6) § 63.660(a)(1)	§ 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
14TANK0102	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
14TANK0102	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
15SRUINCI N	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
18RAILLOAD	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None



**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						than 0.5 psia is exempt from the requirements of this division, except as specified.			
18TRKLOAD	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
20GASLOAD	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
20TANK2001	EU	R115-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
20TANK2001	EU	60Kb-1	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) §	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(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)
							60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)		
20TANK2001	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(j)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
20TANK2002	EU	R115-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
20TANK2002	EU	60Kb-1	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) §	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(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)
						§60.112b(a)(2)(i)-(iii).	60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)		§ 60.115b(b)(4)
20TANK200 2	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
20TANK200 3	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
20TANK200 3	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(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)
						§63.640(a) are part of the affected source.		§ 63.660(a)(1)	§ 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
22BZNTKFL R	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
22BZNTKFL R	EU	60J-FG1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.105(a)(4)(iv) § 60.105(a)(4)(iv)(D)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	[G]§ 60.105(b) § 60.106(a) ** See Alternative Requirement	[G]§ 60.105(b) § 60.107(e)	[G]§ 60.105(b) § 60.107(f) § 60.107(g)
22TANK031 6	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
22TANK0316	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
22TANK0484	EU	R115-1	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)(6) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
22TANK0484	EU	60Kb-1	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOCs for which construction/reconstruction/modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
22TANK0503	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.112(a)(2)(F) § 115.114(a)(2)(A) § 115.114(a)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)
22TANK050	EU	61FF-1	Benzene	40 CFR Part 61,	§ 61.351(a)	As an alternative to the	[G]§ 60.113b(b)(1)	§ 60.115b	§ 60.113b(b)(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)
3				Subpart FF	[G]§ 60.112b(a)(2) § 61.351(a)(2) § 61.351(b)	standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	[G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii)	[G]§ 60.115b(b)(3) § 61.356(k)	§ 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 61.357(e) § 61.357(f)
22TANK0503	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
22TANK0517	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
22TANK0522	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						division.			
22TANK052 2	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
22TANK053 1	EU	R115-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B)
22TANK053 1	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(1) § 63.1063(a)(1)(i) § 63.1063(a)(1)(i)(B) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(iv) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(vii) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(b)(5)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(1) [G]§ 63.1063(c)(1)(i) [G]§ 63.1063(d)(1) § 63.1063(d)(2) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(2)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(6) § 63.655(h)(6)(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)
					§ 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b) § 63.660(b)(1)				
22TANK0538	EU	R115-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(a)(5) § 115.118(a)(7)	None
22TANK0538	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
22TANK0540	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
22TANK0540	EU	60Kb-1	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(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)
							§ 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)		
22TANK0540	EU	60QQQ-1	VOC	40 CFR Part 60, Subpart QQQ	§ 60.693-2(a) § 60.692-1(a) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b) § 60.693-2(a)(1) § 60.693-2(a)(1)(i) § 60.693-2(a)(1)(i)(B) § 60.693-2(a)(1)(i)(C) [G]§ 60.693-2(a)(1)(ii) § 60.693-2(a)(1)(iii) § 60.693-2(a)(1)(iv) § 60.693-2(a)(2) § 60.693-2(a)(3) § 60.693-2(a)(4) § 60.693-2(a)(5)(ii) § 60.693-2(c)	May elect to install a floating roof on an oil-water separator tank, slop oil tank or other auxiliary equipment subject to this subpart which meets the following specifications:	§ 60.693-2(a)(1)(iii)(A) § 60.693-2(a)(1)(iii)(B) § 60.693-2(a)(5)(i) § 60.696(a) [G]§ 60.696(d)	§ 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) [G]§ 60.697(k)	§ 60.693-2(b) § 60.698(a) § 60.698(b)(1) § 60.698(e)
22TANK0540	EU	61FF-1	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) [G]§ 60.112b(a)(2)	As an alternative to the standards for tanks	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2)	§ 60.115b [G]§ 60.115b(b)(3)	§ 60.113b(b)(4)(iii) § 60.113b(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)
					§ 61.351(a)(2) § 61.351(b)	specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii)	§ 61.356(k)	§ 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 61.357(e) § 61.357(f)
22TANK0545	EU	R115	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
22TANK0545	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
22TANK0591	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
22TANK059 1	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(1) § 63.1063(a)(1)(i) § 63.1063(a)(1)(i)(B) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(iv) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(vii) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(b)(5) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b) § 63.660(b)(1)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(1) [G]§ 63.1063(c)(1)(i) [G]§ 63.1063(d)(1) § 63.1063(d)(2) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(2)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(6) § 63.655(h)(6)(ii)
22TANK080 5	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.112(a)(2)(F) § 115.114(a)(2)(A) § 115.114(a)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)
22TANK080 5	EU	63G-2	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(c) § 63.119(a)(1) § 63.119(c)(1)	Tanks using an external floating roof, (defined in § 63.111), to comply with	§ 63.120(b)(1)(i) § 63.120(b)(1)(iii) § 63.120(b)(1)(iv)	[G]§ 63.120(b)(7) § 63.120(b)(8) § 63.123(a)	§ 63.120(b)(10)(ii) § 63.120(b)(10)(iii) § 63.120(b)(9)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual 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)(1)(i) § 63.119(c)(1)(ii) § 63.119(c)(1)(iii) § 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) § 63.119(c)(2)(vi) § 63.119(c)(2)(vii) § 63.119(c)(2)(viii) § 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)(i) § 63.120(b)(5)(i) § 63.120(b)(5)(ii) § 63.120(b)(6)(i) § 63.120(b)(6)(ii) [G]§ 63.120(b)(7) § 63.120(b)(8)	§63.119(a)(1) shall comply with §63.119(c)(1)-(4).	§ 63.120(b)(10) § 63.120(b)(2)(i) § 63.120(b)(2)(ii) § 63.120(b)(2)(iii) § 63.120(b)(3) § 63.120(b)(4)	§ 63.123(d) § 63.123(g) [G]§ 63.152(a)	[G]§ 63.122(e)(1) § 63.122(e)(2) § 63.122(e)(3) § 63.122(e)(3)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
22TANK0807	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B)
22TANK0807	EU	63G-3	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(ii) § 63.119(b)(4)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(2)(i) § 63.120(a)(2)(ii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(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)
					§ 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)				§ 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
22TANK0909	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
22TANK0909	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
22TANK0921	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
22TANK0921	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(1)	For each Group 1 storage vessel for which the maximum true vapor	§ 63.1063(c)(1) [G]§ 63.1063(c)(1)(i)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a)	§ 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.1063(a)(1)(i) § 63.1063(a)(1)(i)(B) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(iv) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(vii) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(B) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(b)(5) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b) [G]§ 63.660(b)(2)	pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	[G]§ 63.1063(d)(1) § 63.1063(d)(2) § 63.660(a)(1) § 63.660(a)(2)	[G]§ 63.1065(b)(1) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(2)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(6) § 63.655(h)(6)(ii)
22TANK092 2	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B)
22TANK092 2	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(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)
						§63.640(a) are part of the affected source.		§ 63.660(a)(1)	§ 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
22TANK0925	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
22TANK0925	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
22TANK0926	EU	R115-1	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)(6) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
22TANK0926	EU	63G-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(ii) § 63.119(b)(4) § 63.119(b)(5)(i)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(2)(i) § 63.120(a)(2)(ii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.151(a)(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)				[G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
22TANK0933	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
22TANK0933	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
22TANK0938	EU	R115-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.112(a)(2)(F) § 115.114(a)(2)(A) § 115.114(a)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)
22TANK093	EU	63CC-1	112(B)	40 CFR Part 63,	§ 63.660	For each Group 1 storage	§ 63.1063(c)(2)	§ 63.1063(e)(2)	§ 63.1063(c)(2)(iv)(B)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
8			HAPS	Subpart CC	§ 63.1062(a) § 63.1062(a)(2) § 63.1063(a)(1)(ii) § 63.1063(a)(1)(ii)(B) § 63.1063(a)(1)(ii)(C) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(d)(3)(ii) § 63.1063(d)(3)(iii) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b)	vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(2)(i) § 63.1063(c)(2)(ii) § 63.1063(c)(2)(iii) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) [G]§ 63.1063(d)(1) § 63.1063(d)(3) [G]§ 63.1063(d)(3)(i) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(b)(2) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(3)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(2)(ii) § 63.655(h)(6) § 63.655(h)(6)(ii)
22TANK0939	EU	R115-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.112(a)(2)(F) § 115.114(a)(2)(A) § 115.114(a)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)
22TANK0939	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(2) § 63.1063(a)(1)(ii)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is	§ 63.1063(c)(2) § 63.1063(c)(2)(i) § 63.1063(c)(2)(ii) § 63.1063(c)(2)(iii)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1)	§ 63.1063(c)(2)(iv)(B) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.1063(a)(1)(ii)(B) § 63.1063(a)(1)(ii)(C) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(vii) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(A) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(b)(5) § 63.1063(d)(3)(ii) § 63.1063(d)(3)(iii) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b)	less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) [G]§ 63.1063(d)(1) § 63.1063(d)(3) [G]§ 63.1063(d)(3)(i) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1065(b)(2) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(3)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(2)(ii) § 63.655(h)(6) § 63.655(h)(6)(ii)
22TANK0940	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
22TANK0940	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						§63.640(a) are part of the affected source.		§ 63.660(a)(1)	§ 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
22TANK0948	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
22TANK0948	EU	60Ka-1	VOC	40 CFR Part 60, Subpart Ka	§ 60.110a(a)	The affected facility is each storage vessel for petroleum liquids that has a storage capacity > 151,416 L (40,000 gal) and for which construction commenced after 5/18/78 and prior to 7/23/84.	§ 60.115a(a) § 60.115a(b)	§ 60.115a(a)	None
22TANK0948	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
22TANK0960	EU	R115-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D)	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	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.112(a)(2)(E) § 115.112(a)(2)(F) § 115.114(a)(2)(A) § 115.114(a)(4)(A)	Table II(a).			
22TANK0960	EU	60Kb-1	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
22TANK0960	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) § 63.640(n)(8)(vii) § 63.642(b) § 63.642(n)	Floating roof storage vessels described by §63.640(n)(2) are to comply with 40 CFR part 60, subpart Kb, except as provided in §63.640(n)(8)(i)-(vii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(iv) § 63.640(n)(8)(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)
							§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(ii)		
22TK926FLR	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
22TK926FLR	EU	60J-FG1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.105(a)(4)(iv) § 60.105(a)(4)(iv)(D)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other	[G]§ 60.105(b) § 60.106(a) ** See Alternative Requirement	[G]§ 60.105(b) § 60.107(e)	[G]§ 60.105(b) § 60.107(f) § 60.107(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)
						emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).			
25SRUINCI N	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
28LPGLOA D	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(3) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Liquefied petroleum gas. All loading and unloading of liquefied petroleum gas is exempt from the requirements of this division, except for the specified requirements.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i)	§ 115.216 § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(ii) § 115.216(3)(A)(iii) § 115.216(3)(B)	None
30CKRHTR 1	EU	60JA-5	Hydrogen Sulfide	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(1)(ii) § 60.102a(a) § 60.102a(g) § 60.102a(g)(1) § 60.103a(c) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(5) [G]§ 60.103a(e)	For each fuel gas combustion device the owner or operator shall not burn in any fuel gas combustion device any fuel gas that contains H <sub>2</sub> S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis and H <sub>2</sub> S in excess of 60 ppmv determined daily on a 365 successive calendar day rolling average basis.	§ 60.104a(a) § 60.104a(c) [G]§ 60.104a(j) § 60.107a(a) § 60.107a(a)(2) § 60.107a(a)(2)(i) § 60.107a(a)(2)(ii) § 60.107a(a)(2)(iii) § 60.107a(a)(2)(iv) § 60.107a(i) § 60.107a(i)(1)(ii)	§ 60.108a(a) § 60.108a(c) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	§ 60.108a(a) § 60.108a(b) [G]§ 60.108a(d)
30CKRHTR 1	EU	60JA-5	NO <sub>x</sub>	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(2)(ii)(B) § 60.102a(a) § 60.102a(g) § 60.102a(g)(2) § 60.102a(g)(2)(ii)	For each forced draft process heater with a rated capacity of greater than 40 MMBtu/hr on a higher heating value basis, the owner or operator shall not	§ 60.104a(a) § 60.104a(c) § 60.104a(i) § 60.104a(i)(1) § 60.104a(i)(2) § 60.104a(i)(3)	§ 60.108a(a) [G]§ 60.108a(d)	§ 60.108a(a) § 60.108a(b) [G]§ 60.108a(d)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						discharge to the atmosphere any emissions of NOx in excess of 0.060 lb/MMBtu higher heating value basis determined daily on a 30-day rolling average basis.	§ 60.104a(i)(5) § 60.104a(i)(7) § 60.104a(i)(8) § 60.107a(c)(1) § 60.107a(c)(2) § 60.107a(c)(3) § 60.107a(c)(4) § 60.107a(c)(5) § 60.107a(d) § 60.107a(d)(1) § 60.107a(d)(2) [G]§ 60.107a(d)(4) § 60.107a(d)(8) § 60.107a(i) § 60.107a(i)(3) § 60.107a(i)(3)(ii)		
30CKRHTR 1	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.657(a)(1)(i) § 63.642(b) § 63.642(n) § 63.657(a) [G]§ 63.657(f)	For delayed coking units at an existing affected source, meet an average vessel pressure of 2 psig or less determined on a rolling 60-event average.	[G]§ 63.657(b) § 63.657(d) [G]§ 63.657(f)	§ 63.655(i) § 63.655(i)(6) [G]§ 63.655(i)(7)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(viii) § 63.655(g) [G]§ 63.655(g)(12) § 63.655(g)(14)
30CKRHTR 1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
30CKRHTR	EU	60Ja-5	Hydrogen	40 CFR Part 60,	§ 60.102a(g)(1)(ii)	For each fuel gas	§ 60.104a(a)	§ 60.108a(a)	§ 60.108a(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)
2			Sulfide	Subpart Ja	§ 60.102a(a) § 60.102a(g) § 60.102a(g)(1) § 60.103a(c) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(5) [G]§ 60.103a(e)	combustion device the owner or operator shall not burn in any fuel gas combustion device any fuel gas that contains H <sub>2</sub> S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis and H <sub>2</sub> S in excess of 60 ppmv determined daily on a 365 successive calendar day rolling average basis.	§ 60.104a(c) [G]§ 60.104a(j) § 60.107a(a) § 60.107a(a)(2) § 60.107a(a)(2)(i) § 60.107a(a)(2)(ii) § 60.107a(a)(2)(iii) § 60.107a(a)(2)(iv) § 60.107a(i) § 60.107a(i)(1)(ii)	§ 60.108a(c) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	§ 60.108a(b) [G]§ 60.108a(d)
30CKRHTR 2	EU	60Ja-5	NO <sub>x</sub>	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(2)(ii)(B) § 60.102a(a) § 60.102a(g) § 60.102a(g)(2) § 60.102a(g)(2)(ii)	For each forced draft process heater with a rated capacity of greater than 40 MMBtu/hr on a higher heating value basis, the owner or operator shall not discharge to the atmosphere any emissions of NO <sub>x</sub> in excess of 0.060 lb/MMBtu higher heating value basis determined daily on a 30-day rolling average basis.	§ 60.104a(a) § 60.104a(c) § 60.104a(i) § 60.104a(i)(1) § 60.104a(i)(2) § 60.104a(i)(3) § 60.104a(i)(5) § 60.104a(i)(7) § 60.104a(i)(8) § 60.107a(c)(1) § 60.107a(c)(2) § 60.107a(c)(3) § 60.107a(c)(4) § 60.107a(c)(5) § 60.107a(d) § 60.107a(d)(1) § 60.107a(d)(2) [G]§ 60.107a(d)(4) § 60.107a(d)(8) § 60.107a(i) § 60.107a(i)(3) § 60.107a(i)(3)(ii)	§ 60.108a(a) [G]§ 60.108a(d)	§ 60.108a(a) § 60.108a(b) [G]§ 60.108a(d)
30CKRHTR 2	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.657(a)(1)(i) § 63.642(b) § 63.642(n) § 63.657(a)	For delayed coking units at an existing affected source, meet an average vessel pressure of 2 psig or less	[G]§ 63.657(b) § 63.657(d) [G]§ 63.657(f)	§ 63.655(i) § 63.655(i)(6) [G]§ 63.655(i)(7)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(viii) § 63.655(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]§ 63.657(f)	determined on a rolling 60-event average.			[G]§ 63.655(g)(12) § 63.655(g)(14)
30CKRHTR 2	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
30EASTFLA RE	EU	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
30EASTFLA RE	CD	60A-1	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(ii) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
30EASTFLA RE	EU	60Ja-1	Hydrogen Sulfide	40 CFR Part 60, Subpart Ja	§ 60.103a(h) [G]§ 60.103a(a) [G]§ 60.103a(b) § 60.103a(c) [G]§ 60.103a(c)(1)	Each owner or operator shall not burn in any affected flare any fuel gas that contains H2S in excess of 162 ppmv determined	[G]§ 60.103a(a) § 60.104a(a) § 60.104a(c) [G]§ 60.104a(j) § 60.107a(a)	§ 60.108a(c) § 60.108a(c)(1) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	[G]§ 60.103a(b) [G]§ 60.108a(d)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(2) § 60.103a(d)(3) § 60.103a(d)(5) [G]§ 60.103a(e) § 60.103a(f)	hourly on a 3-hour rolling average basis. The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this limit.	§ 60.107a(a)(2) § 60.107a(a)(2)(i) § 60.107a(a)(2)(ii) § 60.107a(a)(2)(iii) § 60.107a(a)(2)(vi) [G]§ 60.107a(g) § 60.107a(i) § 60.107a(i)(2)(i)		
30EASTFLARE	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)(ii) § 63.11(b)(7)(ii)	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
30EASTFLARE	CD	63CC-1	Opacity	40 CFR Part 63, Subpart CC	§ 63.670(c) § 63.642(b) § 63.642(n) § 63.670 § 63.670(b) § 63.670(d) § 63.670(d)(2) § 63.670(e) § 63.670(o) [G]§ 63.670(o)(1) [G]§ 63.670(o)(2) [G]§ 63.670(o)(3) [G]§ 63.670(o)(4) [G]§ 63.670(o)(5) § 63.670(o)(6) [G]§ 63.670(o)(7) [G]§ 63.671(c)	Visible emissions. The owner or operator shall specify the smokeless design capacity of each flare and operate with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours, when regulated material is routed to the flare and the flare vent gas flow rate is less than the smokeless design capacity of the flare. The owner or operator shall monitor for visible emissions from the flare as specified in §63.670(h).	§ 63.642(d)(1) § 63.670(b) § 63.670(c) § 63.670(d)(2) § 63.670(e) § 63.670(g) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(k) [G]§ 63.670(l) [G]§ 63.670(m) [G]§ 63.671(a) [G]§ 63.671(b) [G]§ 63.671(c) [G]§ 63.671(d) [G]§ 63.671(e)	§ 63.655(i) § 63.655(i)(6) § 63.655(i)(9) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(o)(1) [G]§ 63.670(o)(5) § 63.670(o)(6) § 63.670(p) [G]§ 63.671(a) [G]§ 63.671(b)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(11) § 63.655(g)(14) [G]§ 63.670(h) [G]§ 63.670(j) [G]§ 63.670(l) [G]§ 63.670(o)(2) § 63.670(q)
31KNHTHT R	EU	60Ja-5	Hydrogen Sulfide	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(1)(ii) § 60.102a(a)	For each fuel gas combustion device the	§ 60.104a(a) § 60.104a(c)	§ 60.108a(a) § 60.108a(c)	§ 60.108a(a) § 60.108a(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)
					§ 60.102a(g) § 60.102a(g)(1) § 60.103a(c) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(5) [G]§ 60.103a(e)	owner or operator shall not burn in any fuel gas combustion device any fuel gas that contains H <sub>2</sub> S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis and H <sub>2</sub> S in excess of 60 ppmv determined daily on a 365 successive calendar day rolling average basis.	[G]§ 60.104a(j) § 60.107a(a) § 60.107a(a)(2) § 60.107a(a)(2)(i) § 60.107a(a)(2)(ii) § 60.107a(a)(2)(iii) § 60.107a(a)(2)(iv) § 60.107a(i) § 60.107a(i)(1)(ii)	[G]§ 60.108a(c)(6) [G]§ 60.108a(d)	[G]§ 60.108a(d)
31KNHTHT R	EU	60Ja-5	NO <sub>x</sub>	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(2)(ii)(B) § 60.102a(a) § 60.102a(g) § 60.102a(g)(2) § 60.102a(g)(2)(ii)	For each forced draft process heater with a rated capacity of greater than 40 MMBtu/hr on a higher heating value basis, the owner or operator shall not discharge to the atmosphere any emissions of NO <sub>x</sub> in excess of 0.060 lb/MMBtu higher heating value basis determined daily on a 30-day rolling average basis.	§ 60.104a(a) § 60.104a(c) § 60.104a(i) § 60.104a(i)(1) § 60.104a(i)(2) § 60.104a(i)(3) § 60.104a(i)(5) § 60.104a(i)(7) § 60.104a(i)(8) § 60.107a(c)(1) § 60.107a(c)(2) § 60.107a(c)(3) § 60.107a(c)(4) § 60.107a(c)(5) § 60.107a(c)(6) § 60.107a(d) § 60.107a(d)(1) § 60.107a(d)(3) [G]§ 60.107a(d)(4) § 60.107a(d)(8) § 60.107a(i) § 60.107a(i)(3) § 60.107a(i)(3)(ii)	§ 60.108a(a) [G]§ 60.108a(d)	§ 60.108a(a) § 60.108a(b) [G]§ 60.108a(d)
31KNHTHT R	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 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)
					§ 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	§ 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
36SRUINCI N	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
39SWTANK	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
40CSOWSC C	EU	60QQQ	VOC	40 CFR Part 60, Subpart QQQ	§ 60.692-5 § 60.692-1(a) § 60.692-5(b) § 60.692-5(d) [G]§ 60.692-5(e) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b)	Standards for closed vent system and control devices.	§ 60.695(a) § 60.695(a)(3) § 60.695(a)(3)(ii) § 60.696(a) [G]§ 60.696(b)	§ 60.695(a)(3) § 60.697(a) § 60.697(d) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) § 60.697(f)(3) § 60.697(f)(3)(i) § 60.697(f)(3)(ii)	§ 60.698(b)(1) § 60.698(d) § 60.698(d)(3) § 60.698(d)(3)(ii) § 60.698(e)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
								§ 60.697(f)(3)(iii) § 60.697(f)(3)(iv) § 60.697(f)(3)(v) § 60.697(f)(3)(vi) § 60.697(f)(3)(vii) § 60.697(f)(3)(x) § 60.697(f)(3)(x)(B)	
40CSOWSC C	CD	61FF	Benzene	40 CFR Part 61, Subpart FF	§ 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(e) § 61.349(f) § 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 per following:	§ 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(d) § 61.354(f)(1) [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) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i)(G) [G]§ 61.356(f)(3) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i)	None
40CSPLTH-1	EU	60J-1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(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)
						exempt from the emission limitation in §60.104(a)(1).			
40CSPLTH-1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
41NORTHF LR	EU	R111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
41NORTHF LR	CD	60A-2	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
41NORTHF LR	EU	60Ja-1	Hydrogen Sulfide	40 CFR Part 60, Subpart Ja	§ 60.103a(h) [G]§ 60.103a(a) [G]§ 60.103a(b) § 60.103a(c) [G]§ 60.103a(c)(1)	Each owner or operator shall not burn in any affected flare any fuel gas that contains H2S in excess of 162 ppmv determined	[G]§ 60.103a(a) § 60.104a(a) § 60.104a(c) [G]§ 60.104a(j) § 60.107a(a)	§ 60.108a(c) § 60.108a(c)(1) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	[G]§ 60.103a(b) [G]§ 60.108a(d)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(2) § 60.103a(d)(3) § 60.103a(d)(5) [G]§ 60.103a(e) § 60.103a(f)	hourly on a 3-hour rolling average basis. The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this limit.	§ 60.107a(a)(2) § 60.107a(a)(2)(i) § 60.107a(a)(2)(ii) § 60.107a(a)(2)(iii) § 60.107a(a)(2)(vi) [G]§ 60.107a(g) § 60.107a(i) § 60.107a(i)(2)(i)		
41NORTH LR	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)(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
41NORTH LR	CD	63CC-1	Opacity	40 CFR Part 63, Subpart CC	§ 63.670(c) § 63.642(b) § 63.642(n) § 63.670 § 63.670(b) § 63.670(d) § 63.670(d)(1) § 63.670(e) § 63.670(o) [G]§ 63.670(o)(1) [G]§ 63.670(o)(2) [G]§ 63.670(o)(3) [G]§ 63.670(o)(4) [G]§ 63.670(o)(5) § 63.670(o)(6) [G]§ 63.670(o)(7) [G]§ 63.671(c)	Visible emissions. The owner or operator shall specify the smokeless design capacity of each flare and operate with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours, when regulated material is routed to the flare and the flare vent gas flow rate is less than the smokeless design capacity of the flare. The owner or operator shall monitor for visible emissions from the flare as specified in §63.670(h).	§ 63.642(d)(1) § 63.670(b) § 63.670(c) § 63.670(d)(1) § 63.670(e) § 63.670(g) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(k) [G]§ 63.670(m) [G]§ 63.671(a) [G]§ 63.671(b) [G]§ 63.671(c) [G]§ 63.671(d) [G]§ 63.671(e)	§ 63.655(i) § 63.655(i)(6) § 63.655(i)(9) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(o)(1) [G]§ 63.670(o)(5) § 63.670(o)(6) § 63.670(p) [G]§ 63.671(a) [G]§ 63.671(b)	§ 63.642(f) § 63.655(g) § 63.655(g)(11) § 63.655(g)(14) [G]§ 63.670(h) [G]§ 63.670(j) [G]§ 63.670(o)(2) § 63.670(q)
43DHT3CHTR	EU	60Ja-5	Hydrogen Sulfide	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(1)(ii) § 60.102a(a)	For each fuel gas combustion device the	§ 60.104a(a) § 60.104a(c)	§ 60.108a(a) § 60.108a(c)	§ 60.108a(a) § 60.108a(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)
					§ 60.102a(g) § 60.102a(g)(1) § 60.103a(c) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(5) [G]§ 60.103a(e)	owner or operator shall not burn in any fuel gas combustion device any fuel gas that contains H <sub>2</sub> S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis and H <sub>2</sub> S in excess of 60 ppmv determined daily on a 365 successive calendar day rolling average basis.	[G]§ 60.104a(j) § 60.107a(a) § 60.107a(a)(2) § 60.107a(a)(2)(i) § 60.107a(a)(2)(ii) § 60.107a(a)(2)(iii) § 60.107a(a)(2)(iv) § 60.107a(i) § 60.107a(i)(1)(ii)	[G]§ 60.108a(c)(6) [G]§ 60.108a(d)	[G]§ 60.108a(d)
43DHT3CHTR	EU	60Ja-5	NO <sub>x</sub>	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(2)(ii)(B) § 60.102a(a) § 60.102a(g) § 60.102a(g)(2) § 60.102a(g)(2)(ii)	For each forced draft process heater with a rated capacity of greater than 40 MMBtu/hr on a higher heating value basis, the owner or operator shall not discharge to the atmosphere any emissions of NO <sub>x</sub> in excess of 0.060 lb/MMBtu higher heating value basis determined daily on a 30-day rolling average basis.	§ 60.104a(a) § 60.104a(c) § 60.104a(i) § 60.104a(i)(1) § 60.104a(i)(2) § 60.104a(i)(3) § 60.104a(i)(5) § 60.104a(i)(7) § 60.104a(i)(8) § 60.107a(c)(1) § 60.107a(c)(2) § 60.107a(c)(3) § 60.107a(c)(4) § 60.107a(c)(5) § 60.107a(c)(6) § 60.107a(d) § 60.107a(d)(1) § 60.107a(d)(3) [G]§ 60.107a(d)(4) § 60.107a(d)(8) § 60.107a(i) § 60.107a(i)(3) § 60.107a(i)(3)(ii)	§ 60.108a(a) [G]§ 60.108a(d)	§ 60.108a(a) § 60.108a(b) [G]§ 60.108a(d)
43DHT3CHTR	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 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)
					§ 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	§ 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
45DOCK1P CV	EU	61BB-2	Benzene	40 CFR Part 61, Subpart BB	[G]§ 61.302(a) § 61.302(b) § 61.302(f) § 61.302(g) § 61.302(j) § 61.302(k) § 61.302(l)	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) [G]§ 61.303(g) § 61.304(a)(1) § 61.304(a)(2) [G]§ 61.304(a)(3) § 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)(1) § 61.304(d)(2) § 61.304(d)(3) § 61.304(e)	[G]§ 61.303(g) § 61.304(a)(4)(i) § 61.304(d)(3) § 61.305(a) [G]§ 61.305(a)(1) § 61.305(b) § 61.305(b)(1) [G]§ 61.305(c)	§ 61.305(a) § 61.305(a)(5) § 61.305(b) § 61.305(b)(1) § 61.305(f) § 61.305(f)(1) § 61.305(f)(2) § 61.305(f)(5)
45DOCK1P CV	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.651(a) § 63.642(b) § 63.642(n)	Except as provided in §63.651(b)-(e), each owner or operator of a marine tank vessel loading operation located at a petroleum refinery shall comply with the requirements of §§63.560 through 63.568.	§ 63.642(d)(1) § 63.642(d)(3) § 63.642(d)(4)	§ 63.642(d)(3) § 63.655(c) § 63.655(i) § 63.655(i)(6)	§ 63.642(d)(2) § 63.642(f) § 63.655(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)
45DOCK1P CV	EU	63Y-3	112(B) HAPS	40 CFR Part 63, Subpart Y	§ 63.562(b) [G]§ 63.562(b)(1) § 63.562(b)(2) [G]§ 63.562(b)(6) § 63.562(e) § 63.562(e)(1) [G]§ 63.562(e)(2) [G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6) § 63.562(e)(7) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) [G]§ 63.563(a)(1) § 63.563(a)(2) § 63.563(a)(3)	Marine tank vessel loading operations shall apply MACT standards, except for the VMT source.	[G]§ 63.562(b)(6) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(b) § 63.563(b)(1) § 63.563(b)(10) § 63.563(b)(3) § 63.563(b)(4) § 63.563(b)(4)(ii) [G]§ 63.563(c) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4) § 63.564(b)(3) § 63.564(c) § 63.564(e)(2) § 63.564(e)(4) [G]§ 63.565(b) [G]§ 63.565(d) § 63.565(f) § 63.565(f)(1) § 63.565(l) ** See Alternative Requirement	[G]§ 63.562(b)(6) § 63.562(e)(5) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.564(b)(3) § 63.564(e)(2) [G]§ 63.565(d) § 63.567(f) [G]§ 63.567(g) § 63.567(j)(1) § 63.567(j)(2) [G]§ 63.567(k)	[G]§ 63.562(b)(6) § 63.562(e)(7)(ii) [G]§ 63.567(b)(2) § 63.567(b)(3) [G]§ 63.567(b)(4) § 63.567(b)(5)(ii) § 63.567(c) § 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(4) § 63.567(e)(5) § 63.567(e)(6) § 63.567(f) § 63.567(j)(3) § 63.567(m) § 63.567(n)(1) § 63.567(n)(2)
45DOCK3P CV	EU	61BB-2	Benzene	40 CFR Part 61, Subpart BB	[G]§ 61.302(a) § 61.302(b) § 61.302(f) § 61.302(g) § 61.302(j) § 61.302(k) § 61.302(l)	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) [G]§ 61.303(g) § 61.304(a)(1) § 61.304(a)(2) [G]§ 61.304(a)(3) § 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)	[G]§ 61.303(g) § 61.304(a)(4)(i) § 61.304(d)(3) § 61.305(a) [G]§ 61.305(a)(1) § 61.305(b) § 61.305(b)(1) [G]§ 61.305(c)	§ 61.305(a) § 61.305(a)(5) § 61.305(b) § 61.305(b)(1) § 61.305(f) § 61.305(f)(1) § 61.305(f)(2) § 61.305(f)(5)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 61.304(d)(1) § 61.304(d)(2) § 61.304(d)(3) § 61.304(e)		
45DOCK3P CV	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.651(a) § 63.642(b) § 63.642(n)	Except as provided in §63.651(b)-(e), each owner or operator of a marine tank vessel loading operation located at a petroleum refinery shall comply with the requirements of §§63.560 through 63.568.	§ 63.642(d)(1) § 63.642(d)(3) § 63.642(d)(4)	§ 63.642(d)(3) § 63.655(c) § 63.655(i) § 63.655(i)(6)	§ 63.642(d)(2) § 63.642(f) § 63.655(c)
45DOCK3P CV	EU	63Y-3	112(B) HAPS	40 CFR Part 63, Subpart Y	§ 63.562(b) [G]§ 63.562(b)(1) § 63.562(b)(2) [G]§ 63.562(b)(6) § 63.562(e) § 63.562(e)(1) [G]§ 63.562(e)(2) [G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6) § 63.562(e)(7) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) [G]§ 63.563(a)(1) § 63.563(a)(2) § 63.563(a)(3)	Marine tank vessel loading operations shall apply MACT standards, except for the VMT source.	[G]§ 63.562(b)(6) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.563(b) § 63.563(b)(1) § 63.563(b)(3) § 63.563(b)(10) § 63.563(b)(3) § 63.563(b)(4) § 63.563(b)(4)(ii) [G]§ 63.563(c) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4) § 63.564(b)(3) § 63.564(c) § 63.564(e)(2) § 63.564(e)(4) [G]§ 63.565(b) [G]§ 63.565(d) § 63.565(f) § 63.565(f)(1) § 63.565(l) ** See Alternative Requirement	[G]§ 63.562(b)(6) § 63.562(e)(5) [G]§ 63.562(e)(7)(i) § 63.562(e)(7)(ii) § 63.564(b)(3) § 63.564(e)(2) [G]§ 63.565(d) § 63.567(f) [G]§ 63.567(g) § 63.567(j)(1) § 63.567(j)(2) [G]§ 63.567(k)	[G]§ 63.562(b)(6) § 63.562(e)(7)(ii) [G]§ 63.567(b)(2) § 63.567(b)(3) [G]§ 63.567(b)(4) § 63.567(b)(5)(ii) § 63.567(c) § 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(4) § 63.567(e)(5) § 63.567(e)(6) § 63.567(f) § 63.567(j)(3) § 63.567(m) § 63.567(n)(1) § 63.567(n)(2)
45DOCKTO 1	EU	60J-2	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of	§ 60.105(a)(4) § 60.105(a)(4)(i)	§ 60.105(a)(4) § 60.105(a)(4)(i)	§ 60.105(e)(3)(ii) § 60.107(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)
						this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4)(iii)	§ 60.107(g)
45DOCKTO 2	EU	60J-1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
45TANK047 4	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.112(a)(2)(F)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(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)
					§ 115.114(a)(2)(A) § 115.114(a)(4)(A)				
50BZNTKFLR	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
50BZNTKFLR	EU	60J-FG1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.105(a)(4)(iv) § 60.105(a)(4)(iv)(D)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	[G]§ 60.105(b) § 60.106(a) ** See Alternative Requirement	[G]§ 60.105(b) § 60.107(e)	[G]§ 60.105(b) § 60.107(f) § 60.107(g)
51DHT1H-3	EU	R117-2	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).	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [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)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual 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)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary		§ 117.8010(6) [G]§ 117.8010(7)
51DHT1H-3	EU	R117-2	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.110(a)(2) § 117.110(a) § 117.110(b) § 117.110(b)(2) § 117.130(d) § 117.140(k)	No person shall allow the discharge into the atmosphere from any gas-fired process heaters with a maximum rated capacity equal to or greater than 40 MMBtu emissions of NO <sub>x</sub> in excess of 0.08 lb/MMBtu of heat input.	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(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)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)
51DHT1H-3	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
52DHT2H-1	EU	R117-2	CO	30 TAC Chapter 117, Subchapter B	§ 117.110(c)(1) § 117.110(c)	No person shall allow the discharge into the	[G]§ 117.135(a)(1) § 117.135(a)(4)	§ 117.145(a) § 117.145(f)	§ 117.135(b) § 117.135(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)
					§ 117.110(c)(1)(B) § 117.110(c)(3)	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(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary	§ 117.145(f)(1) § 117.145(f)(9)	[G]§ 117.145(b) [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)
52DHT2H-1	EU	R117-2	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.115(a) § 117.115(b) § 117.115(b)(2) § 117.115(f) § 117.115(f)(1) § 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.	[G]§ 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) § 117.8000(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)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)
52DHT2H-1	EU	60J-1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(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)
						device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.106(a) [G]§ 60.106(e)(1)		
52DHT2H-1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)- Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
52DHT2H-2	EU	R117-2	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).	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [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)



**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual 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)(5) § 117.8000(c)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary		[G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)
52DHT2H-2	EU	R117-2	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.115(a) § 117.115(b) § 117.115(b)(2) § 117.115(f) § 117.115(f)(1) § 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.	[G]§ 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) § 117.8000(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)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)
52DHT2H-2	EU	60J-1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(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)
						emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).			
52DHT2H-2	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
53MIDFLAR E	CD	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
53MIDFLAR E	CD	60A-1	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(ii) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
53MIDFLAR E	EU	60Ja-1	Hydrogen Sulfide	40 CFR Part 60, Subpart Ja	§ 60.103a(h) [G]§ 60.103a(a) [G]§ 60.103a(b) § 60.103a(c)	Each owner or operator shall not burn in any affected flare any fuel gas that contains H2S in excess	[G]§ 60.103a(a) § 60.104a(a) § 60.104a(c) [G]§ 60.104a(j)	§ 60.108a(c) § 60.108a(c)(1) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	[G]§ 60.103a(b) [G]§ 60.108a(d)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.103a(c)(1) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(2) § 60.103a(d)(3) § 60.103a(d)(5) [G]§ 60.103a(e) § 60.103a(f)	of 162 ppmv determined hourly on a 3-hour rolling average basis. The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this limit.	§ 60.107a(a) § 60.107a(a)(2) § 60.107a(a)(2)(i) § 60.107a(a)(2)(ii) § 60.107a(a)(2)(iii) § 60.107a(a)(2)(vi) [G]§ 60.107a(g) § 60.107a(i) § 60.107a(i)(2)(i)		
53MIDFLAR E	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)(ii) § 63.11(b)(7)(ii)	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
53MIDFLAR E	CD	63CC-1	Opacity	40 CFR Part 63, Subpart CC	§ 63.670(c) § 63.642(b) § 63.642(n) § 63.670 § 63.670(b) § 63.670(d) § 63.670(d)(2) § 63.670(e) § 63.670(o) [G]§ 63.670(o)(1) [G]§ 63.670(o)(2) [G]§ 63.670(o)(3) [G]§ 63.670(o)(4) [G]§ 63.670(o)(5) § 63.670(o)(6) [G]§ 63.670(o)(7) [G]§ 63.671(c)	Visible emissions. The owner or operator shall specify the smokeless design capacity of each flare and operate with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours, when regulated material is routed to the flare and the flare vent gas flow rate is less than the smokeless design capacity of the flare. The owner or operator shall monitor for visible emissions from the flare as specified in §63.670(h).	§ 63.642(d)(1) § 63.670(b) § 63.670(c) § 63.670(d)(2) § 63.670(e) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(k) [G]§ 63.670(l) [G]§ 63.670(m) [G]§ 63.671(a) [G]§ 63.671(b) [G]§ 63.671(c) [G]§ 63.671(d) [G]§ 63.671(e)	§ 63.655(i) § 63.655(i)(6) § 63.655(i)(9) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(o)(1) [G]§ 63.670(o)(5) § 63.670(o)(6) § 63.670(p) [G]§ 63.671(a) [G]§ 63.671(b)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(11) § 63.655(g)(14) [G]§ 63.670(h) [G]§ 63.670(j) [G]§ 63.670(l) [G]§ 63.670(o)(2) § 63.670(q)
53SOUTHFL	CD	R1111-1	Opacity	30 TAC Chapter	§ 111.111(a)(4)(A)	Visible emissions from a	§	§ 111.111(a)(4)(A)(ii)	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)
R				111, Visible Emissions		process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)		
53SOUTHFLR	CD	60A-1	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(ii) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
53SOUTHFLR	EU	60Ja-1	Hydrogen Sulfide	40 CFR Part 60, Subpart Ja	§ 60.103a(h) [G]§ 60.103a(a) [G]§ 60.103a(b) § 60.103a(c) [G]§ 60.103a(c)(1) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(2) § 60.103a(d)(3) § 60.103a(d)(5) [G]§ 60.103a(e) § 60.103a(f)	Each owner or operator shall not burn in any affected flare any fuel gas that contains H2S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis. The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this limit.	[G]§ 60.103a(a) § 60.104a(a) § 60.104a(c) [G]§ 60.104a(j) § 60.107a(a) § 60.107a(a)(2) § 60.107a(a)(2)(i) § 60.107a(a)(2)(ii) § 60.107a(a)(2)(iii) § 60.107a(a)(2)(vi) [G]§ 60.107a(g) § 60.107a(i) § 60.107a(i)(2)(i)	§ 60.108a(c) § 60.108a(c)(1) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	[G]§ 60.103a(b) [G]§ 60.108a(d)
53SOUTHFLR	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)(ii) § 63.11(b)(7)(ii)	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)
53SOUTHFLR	CD	63CC-1	Opacity	40 CFR Part 63, Subpart CC	§ 63.670(c) § 63.642(b) § 63.642(n) § 63.670 § 63.670(b) § 63.670(d) § 63.670(d)(2) § 63.670(e) § 63.670(o) [G]§ 63.670(o)(1) [G]§ 63.670(o)(2) [G]§ 63.670(o)(3) [G]§ 63.670(o)(4) [G]§ 63.670(o)(5) § 63.670(o)(6) [G]§ 63.670(o)(7) [G]§ 63.671(c)	Visible emissions. The owner or operator shall specify the smokeless design capacity of each flare and operate with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours, when regulated material is routed to the flare and the flare vent gas flow rate is less than the smokeless design capacity of the flare. The owner or operator shall monitor for visible emissions from the flare as specified in §63.670(h).	§ 63.642(d)(1) § 63.670(b) § 63.670(c) § 63.670(d)(2) § 63.670(e) § 63.670(g) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(k) [G]§ 63.670(l) [G]§ 63.670(m) [G]§ 63.671(a) [G]§ 63.671(b) [G]§ 63.671(c) [G]§ 63.671(d) [G]§ 63.671(e)	§ 63.655(i) § 63.655(i)(6) § 63.655(i)(9) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(o)(1) [G]§ 63.670(o)(5) § 63.670(o)(6) § 63.670(p) [G]§ 63.671(a) [G]§ 63.671(b)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(11) § 63.655(g)(14) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(l) [G]§ 63.670(o)(2) § 63.670(q)
55FCCURF GS	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E) § 111.111(a)(2)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) § 111.111(a)(2)	None	None
55REGENP CV	EP	R1111-1	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E) § 111.111(a)(2)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F) § 111.111(a)(2) ** See CAM Summary	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None
55REGENP CV	EP	R5121-1	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 less than 612 parts per	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 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)
						million by volume (ppmv) is exempt from §115.121(a)(1) of this title.			
55REGENP CV	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) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title.	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
55REGENP CV	EU	60J-1	CO	40 CFR Part 60, Subpart J	§ 60.103(a) § 60.105(a)(2)	No owner or operator shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator any gases that contain carbon monoxide (CO) in excess of 500 ppm by volume (dry basis).	§ 60.105(a)(2) § 60.105(a)(2)(i) § 60.106(a) § 60.106(d)	§ 60.105(a)(2) § 60.105(c)	§ 60.105(e)(2) § 60.107(f) § 60.107(g)
55REGENP CV	EU	60J-1	PM	40 CFR Part 60, Subpart J	§ 60.102(a)(1)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator particulate matter in excess of 1.0 kg/Mg (2.0 lb/ton) of coke burn-off in the catalyst regenerator.	§ 60.106(a) § 60.106(b) § 60.106(b)(1) § 60.106(b)(2) [G]§ 60.106(b)(3) ** See CAM Summary	§ 60.105(c)	§ 60.107(f) § 60.107(g)
55REGENP CV	EU	60J-1	PM (Opacity)	40 CFR Part 60, Subpart J	§ 60.102(a)(2)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any	§ 60.105(a)(1) § 60.106(a) § 60.106(b) § 60.106(b)(4) ** See CAM	§ 60.105(a)(1) § 60.105(c)	§ 60.105(e)(1) § 60.107(f) § 60.107(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)
						fluid catalytic cracking unit catalyst regenerator gases exhibiting greater than 30 percent opacity, except for one six-minute average opacity reading in any one hour period.	Summary ** See Alternative Requirement		
55REGENP CV	EU	60J-1	SO <sub>2</sub>	40 CFR Part 60, Subpart J	§ 60.104(b)(1) § 60.104(c) § 60.104(d)	For each affected fluid catalytic cracking unit catalyst regenerator with an add-on control device, reduce sulfur dioxide emissions to the atmosphere by 90 percent or maintain sulfur dioxide emissions to the atmosphere less than or equal to 50 ppm by volume, whichever is less stringent.	§ 60.105(a)(10) § 60.105(a)(11) [G]§ 60.105(a)(12) [G]§ 60.105(a)(13) [G]§ 60.105(a)(8) [G]§ 60.105(a)(9) § 60.106(a) § 60.106(g) [G]§ 60.106(h) [G]§ 60.106(k) § 60.108(a) § 60.108(c) § 60.108(d) § 60.108(e)	§ 60.105(a)(10) § 60.105(a)(11) [G]§ 60.105(a)(12) [G]§ 60.105(a)(13) [G]§ 60.105(a)(8) [G]§ 60.105(a)(9) [G]§ 60.107(b)(1) § 60.107(b)(4)	§ 60.107(a) § 60.107(c) [G]§ 60.107(c)(1) § 60.107(c)(2) [G]§ 60.107(c)(3) [G]§ 60.107(c)(4) § 60.107(d) § 60.107(f) § 60.107(g) § 60.108(e)
55REGENP CV	EU	63UUU-001	CO	40 CFR Part 63, Subpart UUU	§ 63.1565(a)(1)-Table 8.1 § 63.1565(a)(1) § 63.1565(a)(2) § 63.1565(a)(2)-Table 9.1 § 63.1565(a)(2)-Table 9.3 § 63.1565(a)(3) § 63.1565(a)(4) § 63.1565(a)(5) § 63.1565(b)(4) § 63.1565(b)(4)-Table 12.1 § 63.1565(c)(1) § 63.1565(c)(2) § 63.1570(a)	For each new and existing CCU subject to the NSPS for CO in 40 CFR §60.103 or §60.102a(b)(4) or electing to comply with the NSPS requirements (Option 1), CO emissions from the catalyst regenerator vent or CO boiler serving the CCU must not exceed 500 parts per million volume (ppmv) (dry basis).	§ 63.1565(b)(1) § 63.1565(b)(1)-Table 10.1 § 63.1565(b)(1)-Table 10.3 § 63.1565(c)(1)-Table 13.1 § 63.1565(c)(1)-Table 14.1 § 63.1565(c)(1)-Table 14.3 § 63.1571(a) § 63.1571(a)(1) § 63.1571(a)(2) [G]§ 63.1571(a)(6) § 63.1572(a) § 63.1572(a)(1)	§ 63.1565(b)(1)-Table 10.1 § 63.1565(c)(1)-Table 14.3 § 63.1570(c) § 63.1570(d) [G]§ 63.1576(a) [G]§ 63.1576(b) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1565(b)(5) § 63.1565(b)(6) § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(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)
					§ 63.1570(c) § 63.1570(d)		§ 63.1572(a)(1)-Table 40.3 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d)		[G]§ 63.1575(i) § 63.1575(k) § 63.1575(k)(1) [G]§ 63.1575(k)(2) § 63.1575(l) § 63.1576(b)
55REGENP CV	EU	63UUU-001	PM	40 CFR Part 63, Subpart UUU	§ 63.1564(a)(1)-Table 1.1 § 63.1564(a)(1) § 63.1564(a)(2) § 63.1564(a)(2)-Table 2.10 § 63.1564(a)(3) § 63.1564(a)(4) [G]§ 63.1564(a)(5) § 63.1564(b)(3) § 63.1564(b)(5) § 63.1564(b)(5)-Table 5.1 § 63.1564(c)(1) § 63.1564(c)(1)-Table 7.10 [G]§ 63.1564(c)(5) § 63.1570(a) § 63.1570(c) § 63.1570(d) [G]§ 63.1573(g)(1) § 63.1573(g)(2)	For each new or existing CCU subject to NSPS for PM in 40 CFR §60.102, PM emissions must not exceed 1.0 g/kg (1.0 lb/1,000 lbs) of coke burn-off.	§ 63.1564(b)(1) § 63.1564(b)(1)-Table 3.12 § 63.1564(b)(2) [G]§ 63.1564(b)(2)-Table 4.1 § 63.1564(b)(2)-Table 4.2.a § 63.1564(b)(2)-Table 4.2.b [G]§ 63.1564(c)(1)-Table 6.1.a § 63.1571(a) § 63.1571(a)(1) § 63.1571(a)(5)(ii) [G]§ 63.1571(b) [G]§ 63.1572(d) § 63.1573(d) § 63.1573(e)	§ 63.1564(b)(1)-Table 3.12 [G]§ 63.1564(c)(1)-Table 6.1.a § 63.1564(c)(2) § 63.1570(c) § 63.1570(d) [G]§ 63.1576(a) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1564(b)(6) § 63.1564(b)(7) § 63.1570(f) § 63.1571(a) [G]§ 63.1573(f) § 63.1573(g)(3) [G]§ 63.1574(a) § 63.1574(c) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 § 63.1575(a)-Table 43.2 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(i) § 63.1575(k) [G]§ 63.1575(k)(1) § 63.1575(l)
55REGENP CV	EU	63UUU-001	PM (Opacity)	40 CFR Part 63, Subpart UUU	§ 63.1564(a)(1)-Table 1.1 § 63.1564(a)(1) § 63.1564(a)(2) § 63.1564(a)(2)-Table 2.1 § 63.1564(a)(2)-Table 2.10	For each new or existing CCU subject to NSPS for PM in 40 CFR §60.102, the opacity of emissions must not exceed 30%, except for one 6-minute average opacity reading in any 1-hour period.	§ 63.1564(b)(1) § 63.1564(b)(1)-Table 3.1 § 63.1564(b)(1)-Table 3.12 § 63.1564(b)(2) § 63.1564(b)(2)-Table 4.1	§ 63.1564(b)(1)-Table 3.1 § 63.1564(b)(1)-Table 3.12 [G]§ 63.1564(c)(1)-Table 6.1.a § 63.1564(c)(1)-Table 7.1	§ 63.1564(b)(6) § 63.1564(b)(7) § 63.1570(f) § 63.1571(a) [G]§ 63.1573(f) § 63.1573(g)(3) [G]§ 63.1574(a) § 63.1574(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)
					§ 63.1564(a)(3) § 63.1564(a)(4) [G]§ 63.1564(a)(5) § 63.1564(b)(3) § 63.1564(b)(5) § 63.1564(b)(5)-Table 5.1 § 63.1564(c)(1) § 63.1564(c)(1)-Table 7.10 [G]§ 63.1564(c)(5) § 63.1570(b) § 63.1570(c) § 63.1570(d) [G]§ 63.1573(g)(1) [G]§ 63.1573(g)(2)		§ 63.1564(b)(2)-Table 4.2.c [G]§ 63.1564(c)(1)-Table 6.1.a § 63.1564(c)(1)-Table 7.1 § 63.1571(a) § 63.1571(a)(1) § 63.1571(a)(5) [G]§ 63.1571(b) [G]§ 63.1572(d) [G]§ 63.1573(d) § 63.1573(e)	§ 63.1564(c)(2) § 63.1570(c) § 63.1570(d) [G]§ 63.1576(a) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 § 63.1575(a)-Table 43.2 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(i) § 63.1575(k) [G]§ 63.1575(k)(1) [G]§ 63.1575(l)
60COGENBRN	EU	60DB-1	NO <sub>x</sub>	40 CFR Part 60, Subpart Db	§ 60.40b(a)	The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
60COGENBRN	EU	60DB-1	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						fuels combusted in the steam generating unit of greater than 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)).			
60COGENB RN	EU	60DB-1	PM (Opacity)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
60COGENB RN	EU	60J-1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
60COGENB RN	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.1	A new or existing boiler or process heater with a	§ 63.7515(d) § 63.7525(a)(7)	§ 63.7555(a) § 63.7555(a)(1)	§ 63.7530(e) § 63.7530(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)
					§ 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(12) § 63.7540(a)(13)	continuous oxygen trim system that maintains an optimum air to fuel ratio must conduct a tune-up of the boiler or process heater every 5 years as specified in § 63.7540.	§ 63.7540(a) [G]§ 63.7540(a)(10)	§ 63.7560(a) § 63.7560(b) § 63.7560(c)	§ 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
60COGENT RB	EU	R7201-1	CO	30 TAC Chapter 117, Subchapter B	§ 117.105(c) § 117.105(a) § 117.130(a) § 117.140(k)	No person shall allow the discharge into the atmosphere from any stationary gas turbine with a megawatt (MW) rating greater than or equal to 10.0 MW, emissions in excess of a block one-hour average concentration of 132 ppmv carbon monoxide (CO) at 15% oxygen, dry basis. For stationary gas turbines equipped with CEMS or PEMS for CO, the owner or operator may elect to comply with the CO specification of this subsection using a 24-hour rolling average.	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(3) § 117.135(g) § 117.140(a)(2)(A) § 117.140(d) § 117.140(e) § 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) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§	§ 117.145(a) § 117.145(f) [G]§ 117.145(f)(2) § 117.145(f)(7) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	§ 117.135(b) § 117.135(g) [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) § 117.8100(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)
							117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8120 § 117.8120(1) § 117.8120(1)(A)		
60COGENT RB	EU	R7201-1	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.105(c) § 117.105(a) § 117.130(a) § 117.130(d) § 117.130(d)(4) § 117.140(k) § 117.140(l)	No person shall allow the discharge into the atmosphere from any stationary gas turbine with a MW rating greater than or equal to 10.0 MW, emissions in excess of a block one-hour average concentration of 42 ppmv NO <sub>x</sub> at 15% oxygen, dry basis.	[G]§ 117.135(a)(1) § 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)(2)(A) § 117.140(c)(1) [G]§ 117.140(c)(3) § 117.140(e) § 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) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)	§ 117.145(a) § 117.145(f) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	§ 117.135(b) § 117.135(g) [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) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
60COGENT RB	EU	60GG-1	SO <sub>2</sub>	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) § 60.334(h)(1) § 60.334(i) § 60.334(i)(2) § 60.334(j) § 60.334(j)(2)(i) § 60.334(j)(2)(iii)	§ 60.334(i) § 60.334(i)(2)	§ 60.334(j) § 60.334(j)(5)
60COGENT RB	EU	60GG-2	SO <sub>2</sub>	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) § 60.334(h)(1) § 60.334(i) § 60.334(i)(2) § 60.334(j) § 60.334(j)(2)(i) § 60.334(j)(2)(iii)	§ 60.334(i) § 60.334(i)(2)	§ 60.334(j) § 60.334(j)(5)
61BLRH300	EU	R7117-1	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).	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(3) § 117.135(g) § 117.140(a) § 117.140(b)(1) § 117.140(b)(3) § 117.140(d) § 117.140(e) § 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)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(7) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	§ 117.135(b) § 117.135(g) [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) § 117.8100(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)
							§ 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8120 § 117.8120(1) § 117.8120(1)(A)		
61BLRH300	EU	R7117-1	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.115(a) § 117.115(b) [G]§ 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) § 117.130(d)(4)	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.	[G]§ 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(b)(1) § 117.140(b)(3) § 117.140(c)(1) [G]§ 117.140(c)(3) § 117.140(e) § 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)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	§ 117.135(b) § 117.135(g) [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) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(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)
							§ 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)		
61BLRH300	EU	60DB-1	NO <sub>x</sub>	40 CFR Part 60, Subpart Db	§ 60.44b(l)(1) § 60.44b(h) § 60.44b(i) § 60.46b(a)	On or after the §60.8 performance test is completed, no facility that commenced construction after 07/09/1997 shall discharge NO <sub>x</sub> in excess 86 ng/J (0.20 lb/MMBtu) heat input if the facility combusts coal, oil, natural gas or a combination involving these fuels unless the facility is subject to and in compliance with a federally enforceable requirement that limits operation an annual capacity factor of 10 percent or less for coal, oil, and natural gas (or any combination of the three).	§ 60.46b(c) § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(4) [G]§ 60.48b(b) § 60.48b(c) § 60.48b(d) § 60.48b(e) [G]§ 60.48b(e)(2) § 60.48b(e)(3) § 60.48b(f) § 60.48b(g)(1)	[G]§ 60.48b(b) § 60.48b(c) [G]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(b) § 60.49b(h) § 60.49b(h)(4) § 60.49b(i) § 60.49b(v) § 60.49b(w)
61BLRH300	EU	60DB-1	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(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)
						fuels combusted in the steam generating unit of greater than 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)).			
61BLRH300	EU	60DB-1	PM (Opacity)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
61BLRH300	EU	60J-1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
61BLRH300	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.1	A new or existing boiler or process heater with a	§ 63.7515(d) § 63.7525(a)(7)	§ 63.7555(a) § 63.7555(a)(1)	§ 63.7530(e) § 63.7530(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)
					§ 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(12) § 63.7540(a)(13)	continuous oxygen trim system that maintains an optimum air to fuel ratio must conduct a tune-up of the boiler or process heater every 5 years as specified in § 63.7540.	§ 63.7540(a) [G]§ 63.7540(a)(10)	§ 63.7560(a) § 63.7560(b) § 63.7560(c)	§ 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
61BLRH350	EU	R7117-1	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).	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(3) § 117.135(g) § 117.140(a) § 117.140(b)(1) § 117.140(b)(3) § 117.140(d) § 117.140(e) § 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) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§	§ 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(7) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	§ 117.135(b) § 117.135(g) [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) § 117.8100(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)
							117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8120 § 117.8120(1) § 117.8120(1)(A)		
61BLRH350	EU	R7117-1	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.115(a) § 117.115(b) [G]§ 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) § 117.130(d)(4)	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.	[G]§ 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) § 117.135(g) § 117.140(a) § 117.140(b)(1) § 117.140(b)(3) § 117.140(c)(1) [G]§ 117.140(c)(3) § 117.140(e) § 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) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§	§ 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	§ 117.135(b) § 117.135(g) [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) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(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)
							117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)		
61BLRH350	EU	60DB-1	NO <sub>x</sub>	40 CFR Part 60, Subpart Db	§ 60.44b(l)(1) § 60.44b(h) § 60.44b(i) § 60.46b(a)	On or after the §60.8 performance test is completed, no facility that commenced construction after 07/09/1997 shall discharge NO <sub>x</sub> in excess 86 ng/J (0.20 lb/MMBtu) heat input if the facility combusts coal, oil, natural gas or a combination involving these fuels unless the facility is subject to and in compliance with a federally enforceable requirement that limits operation an annual capacity factor of 10 percent or less for coal, oil, and natural gas (or any combination of the three).	§ 60.46b(c) § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(4) [G]§ 60.48b(b) § 60.48b(c) § 60.48b(d) § 60.48b(e) [G]§ 60.48b(e)(2) § 60.48b(e)(3) § 60.48b(f) § 60.48b(g)(1)	[G]§ 60.48b(b) § 60.48b(c) [G]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(b) § 60.49b(h) § 60.49b(h)(4) § 60.49b(i) § 60.49b(v) § 60.49b(w)
61BLRH350	EU	60DB-1	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
61BLRH350	EU	60DB-1	PM	40 CFR Part 60,	§ 60.40b(a)	The affected facility to which	None	[G]§ 60.49b(d)	§ 60.49b(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)
			(Opacity)	Subpart Db		this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)).		§ 60.49b(o)	§ 60.49b(a)(1) § 60.49b(a)(3)
61BLRH350	EU	60J-1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
61BLRH350	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)- Table 3.1 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(12) § 63.7540(a)(13)	A new or existing boiler or process heater with a continuous oxygen trim system that maintains an optimum air to fuel ratio must conduct a tune-up of the boiler or process heater every 5 years as specified in § 63.7540.	§ 63.7515(d) § 63.7525(a)(7) § 63.7540(a) [G]§ 63.7540(a)(10)	§ 63.7555(a) § 63.7555(a)(1) § 63.7560(a) § 63.7560(b) § 63.7560(c)	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									[G]§ 63.7550(h)
67NCPI	EU	R5131	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)(2)(C) § 115.136(a)(3) § 115.136(a)(4)	§ 115.136(a)(2) § 115.136(a)(2)(C) § 115.136(a)(3) § 115.136(a)(4)	None
67NCPI	EU	60QQQ	VOC	40 CFR Part 60, Subpart QQQ	§ 60.692-3(a) § 60.692-1(a) § 60.692-3(a)(1) § 60.692-3(a)(2) § 60.692-3(a)(3) § 60.692-3(a)(5) § 60.692-3(b) § 60.692-3(e) § 60.692-5(b) § 60.692-5(d) [G]§ 60.692-5(e) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b)	Except as noted, each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment shall be equipped with fixed roof, meeting following specifications:	§ 60.692-3(a)(4) § 60.695(a) § 60.695(a)(3) § 60.695(a)(3)(ii) § 60.696(a) [G]§ 60.696(b)	§ 60.695(a)(3) § 60.697(a) § 60.697(c) § 60.697(d) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) § 60.697(f)(3) § 60.697(f)(3)(i) § 60.697(f)(3)(ii) § 60.697(f)(3)(iii) § 60.697(f)(3)(iv) § 60.697(f)(3)(v) § 60.697(f)(3)(vi) § 60.697(f)(3)(vii) § 60.697(f)(3)(x) § 60.697(f)(3)(x)(B)	§ 60.698(b)(1) § 60.698(d) § 60.698(d)(3) § 60.698(d)(3)(ii) § 60.698(e)
67NCPI SOT	EU	60QQQ-1	VOC	40 CFR Part 60, Subpart QQQ	§ 60.692-3(a) § 60.692-1(a) § 60.692-3(a)(1) § 60.692-3(a)(2) § 60.692-3(a)(3) § 60.692-3(a)(5) § 60.692-3(e) § 60.692-3(f) § 60.692-5(b) § 60.692-5(d) [G]§ 60.692-5(e) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b)	Except as noted, each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment shall be equipped with fixed roof, meeting following specifications:	§ 60.692-3(a)(4) § 60.695(a) § 60.695(a)(3) § 60.695(a)(3)(ii) § 60.696(a) [G]§ 60.696(b)	§ 60.695(a)(3) § 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) § 60.697(f)(3) § 60.697(f)(3)(i) § 60.697(f)(3)(ii) § 60.697(f)(3)(iii) § 60.697(f)(3)(iv) § 60.697(f)(3)(v) § 60.697(f)(3)(vi) § 60.697(f)(3)(vii)	§ 60.698(b)(1) § 60.698(d) § 60.698(d)(3) § 60.698(d)(3)(ii) § 60.698(e)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
								§ 60.697(f)(3)(x) § 60.697(f)(3)(x)(B)	
67NCPISOT	EU	61FF-1	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 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.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(d) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 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) § 61.356(j)(3)(i)	None
67PHADJC C	EU	61FF-1	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 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.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(d) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 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) § 61.356(j)(3)(i)	None
67SCALCC	EU	60QQQ	VOC	40 CFR Part 60, Subpart QQQ	§ 60.692-5 § 60.692-1(a) § 60.692-5(b) § 60.692-5(d)	Standards for closed vent system and control devices.	§ 60.695(a) § 60.695(a)(3) § 60.695(a)(3)(ii) § 60.696(a)	§ 60.695(a)(3) § 60.697(a) § 60.697(d) [G]§ 60.697(e)	§ 60.698(b)(1) § 60.698(d) § 60.698(d)(3) § 60.698(d)(3)(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)
					[G]§ 60.692-5(e) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b)		[G]§ 60.696(b)	§ 60.697(f)(1) [G]§ 60.697(f)(2) § 60.697(f)(3) § 60.697(f)(3)(i) § 60.697(f)(3)(ii) § 60.697(f)(3)(iii) § 60.697(f)(3)(iv) § 60.697(f)(3)(v) § 60.697(f)(3)(vi) § 60.697(f)(3)(vii) § 60.697(f)(3)(x) § 60.697(f)(3)(x)(B)	§ 60.698(e)
67SCALCC	CD	61FF	Benzene	40 CFR Part 61, Subpart FF	§ 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(e) § 61.349(f) § 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 per following:	§ 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(d) § 61.354(f)(1) [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) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i)(G) [G]§ 61.356(f)(3) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i)	None
67SCPI	EU	R5131	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)	§ 115.136(a)(2) § 115.136(a)(3) § 115.136(a)(4)	None
67TANK0504	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						vapor pressure less than 1.5 psia is exempt from the requirements of this division.			
67TANK0504	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.112(a)(2)(F) § 115.114(a)(2)(A) § 115.114(a)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)
67TANK0504	EU	60QQQ-1	VOC	40 CFR Part 60, Subpart QQQ	§ 60.693-2(a) § 60.692-1(a) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b) § 60.693-2(a)(1) § 60.693-2(a)(1)(i) § 60.693-2(a)(1)(i)(B) § 60.693-2(a)(1)(i)(C) [G]§ 60.693-2(a)(1)(ii) § 60.693-2(a)(1)(iii) § 60.693-2(a)(1)(iv) § 60.693-2(a)(2) § 60.693-2(a)(3) § 60.693-2(a)(4) § 60.693-2(a)(5)(ii) § 60.693-2(c)	May elect to install a floating roof on an oil-water separator tank, slop oil tank or other auxiliary equipment subject to this subpart which meets the following specifications:	§ 60.693-2(a)(1)(iii)(A) § 60.693-2(a)(1)(iii)(B) § 60.693-2(a)(5)(i) § 60.696(a) [G]§ 60.696(d)	§ 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) [G]§ 60.697(k)	§ 60.693-2(b) § 60.698(a) § 60.698(b)(1) § 60.698(e)
67TANK0504	EU	61FF-1	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) [G]§ 60.112b(a)(2) § 61.351(a)(2) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4)	§ 60.115b [G]§ 60.115b(b)(3) § 61.356(k)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii)		§ 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 61.357(e) § 61.357(f)
67TANK0504	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.647(a)	Each owner or operator of a Group 1 wastewater stream shall comply with the requirements of §§ 61.340 through 61.355 of this chapter for each process wastewater stream that meets the definition in § 63.641.	None	None	None
67TANK0505	EU	R115-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.112(a)(2)(F) § 115.114(a)(2)(A) § 115.114(a)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)
67TANK0505	EU	60QQQ-1	VOC	40 CFR Part 60, Subpart QQQ	§ 60.693-2(a) § 60.692-1(a) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b) § 60.693-2(a)(1) § 60.693-2(a)(1)(i)	May elect to install a floating roof on an oil-water separator tank, slop oil tank or other auxiliary equipment subject to this subpart which meets the following specifications:	§ 60.693-2(a)(1)(iii)(A) § 60.693-2(a)(1)(iii)(B) § 60.693-2(a)(5)(i) § 60.696(a) [G]§ 60.696(d)	§ 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) [G]§ 60.697(k)	§ 60.693-2(b) § 60.698(a) § 60.698(b)(1) § 60.698(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.693-2(a)(1)(i)(B) § 60.693-2(a)(1)(i)(C) [G]§ 60.693-2(a)(1)(ii) § 60.693-2(a)(1)(iii) § 60.693-2(a)(1)(iv) § 60.693-2(a)(2) § 60.693-2(a)(3) § 60.693-2(a)(4) § 60.693-2(a)(5)(ii) § 60.693-2(c)				
67TANK0505	EU	61FF-1	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) [G]§ 60.112b(a)(2) § 61.351(a)(2) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 61.356(k)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 61.357(e) § 61.357(f)
67TANK0505	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.655(h)(6)(ii)
67TANK0595	EU	R115-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B)
67TANK0595	EU	60QQQ-1	VOC	40 CFR Part 60, Subpart QQQ	§ 60.693-2(a) § 60.692-1(a) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b) § 60.693-2(a)(1) § 60.693-2(a)(1)(i) § 60.693-2(a)(1)(i)(B) § 60.693-2(a)(1)(i)(C) [G]§ 60.693-2(a)(1)(ii) § 60.693-2(a)(1)(iii) § 60.693-2(a)(1)(iv) § 60.693-2(a)(2) § 60.693-2(a)(3) § 60.693-2(a)(4) § 60.693-2(a)(5)(ii) § 60.693-2(c)	May elect to install a floating roof on an oil-water separator tank, slop oil tank or other auxiliary equipment subject to this subpart which meets the following specifications:	§ 60.693-2(a)(1)(iii)(A) § 60.693-2(a)(1)(iii)(B) § 60.693-2(a)(5)(i) § 60.696(a) [G]§ 60.696(d)	§ 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) [G]§ 60.697(k)	§ 60.693-2(b) § 60.698(a) § 60.698(b)(1) § 60.698(e)
67TANK0595	EU	61FF-1	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) [G]§ 60.113b(a)(3) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4) § 61.357(e) § 61.357(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)
					§ 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)				
67TANK0595	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
67TANK0596	EU	R115-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B)
67TANK0596	EU	60QQQ-1	VOC	40 CFR Part 60, Subpart QQQ	§ 60.693-2(a) § 60.692-1(a) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b) § 60.693-2(a)(1) § 60.693-2(a)(1)(i) § 60.693-2(a)(1)(i)(B) § 60.693-2(a)(1)(i)(C) [G]§ 60.693-2(a)(1)(ii) § 60.693-2(a)(1)(iii) § 60.693-2(a)(1)(iv)	May elect to install a floating roof on an oil-water separator tank, slop oil tank or other auxiliary equipment subject to this subpart which meets the following specifications:	§ 60.693-2(a)(1)(iii)(A) § 60.693-2(a)(1)(iii)(B) § 60.693-2(a)(5)(i) § 60.696(a) [G]§ 60.696(d)	§ 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) [G]§ 60.697(k)	§ 60.693-2(b) § 60.698(a) § 60.698(b)(1) § 60.698(e)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.693-2(a)(2) § 60.693-2(a)(3) § 60.693-2(a)(4) § 60.693-2(a)(5)(ii) § 60.693-2(c)				
67TANK0596	EU	61FF-1	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 61.357(e) § 61.357(f)
67TANK0596	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
67TANK0636	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
67TANK063	EU	63CC-1	112(B)	40 CFR Part 63,	§ 63.640(c)(2)	All storage vessels	§ 63.660(a)(1)	§ 63.655(g)(7)(ii)	§ 63.642(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)
6			HAPS	Subpart CC	§ 63.642(b) § 63.642(n)	associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(2)	§ 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
67TANK065 1	EU	R5112-1	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)(B) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(C) § 115.118(a)(4)(C)(ii) § 115.118(a)(5) § 115.118(a)(7)	None
67TANK065 1	EU	60QQQ-1	VOC	40 CFR Part 60, Subpart QQQ	§ 60.692-3(a) § 60.692-1(a) § 60.692-3(a)(1) § 60.692-3(a)(2) § 60.692-3(a)(3) § 60.692-3(a)(5) § 60.692-3(e) § 60.692-3(f) § 60.692-5(b) § 60.692-5(d) [G]§ 60.692-5(e) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b)	Except as noted, each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment shall be equipped with fixed roof, meeting following specifications:	§ 60.692-3(a)(4) § 60.695(a) § 60.695(a)(3) § 60.695(a)(3)(ii) § 60.696(a) [G]§ 60.696(b)	§ 60.695(a)(3) § 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) § 60.697(f)(3) § 60.697(f)(3)(i) § 60.697(f)(3)(ii) § 60.697(f)(3)(iii) § 60.697(f)(3)(iv) § 60.697(f)(3)(v) § 60.697(f)(3)(vi) § 60.697(f)(3)(vii) § 60.697(f)(3)(x) § 60.697(f)(3)(x)(B)	§ 60.698(b)(1) § 60.698(d) § 60.698(d)(3) § 60.698(d)(3)(ii) § 60.698(e)
67TANK065 1	EU	61FF-1	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a)	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	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(d)	§ 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(G)	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)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	control device.	[G]§ 61.355(h)	§ 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)	
67TANK0651	EU	61FF-2	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.340(d) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d)	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)	§ 61.356(d) § 61.356(g)	None
67TANK0660	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) § 115.115(a)(3) § 115.115(a)(3)(B) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(C) § 115.118(a)(4)(C)(ii) § 115.118(a)(5) § 115.118(a)(7)	None
67TANK0660	EU	61FF-1	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 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.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(e) § 61.349(f) § 61.354(f)(1) [G]§ 61.355(h)	§ 61.349(a)(1)(ii) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 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) § 61.356(j)(3)(i)	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)
67TANK0681	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
67TANK0682	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
67TANK0905	EU	R115-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B)
67TANK0905	EU	60Kb-1	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) [G]§ 60.116b(e)(3)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
67TANK0905	EU	60QQQ-1	VOC	40 CFR Part 60, Subpart QQQ	§ 60.693-2(a) § 60.692-1(a) § 60.692-6(a) § 60.692-6(b)	May elect to install a floating roof on an oil-water separator tank, slop oil tank or other auxiliary equipment	§ 60.693-2(a)(1)(iii)(A) § 60.693-2(a)(1)(iii)(B)	§ 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1)	§ 60.693-2(b) § 60.698(a) § 60.698(b)(1) § 60.698(e)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.692-7(b) § 60.693-2(a)(1) § 60.693-2(a)(1)(i) § 60.693-2(a)(1)(i)(B) § 60.693-2(a)(1)(i)(C) [G]§ 60.693-2(a)(1)(ii) § 60.693-2(a)(1)(iii) § 60.693-2(a)(1)(iv) § 60.693-2(a)(2) § 60.693-2(a)(3) § 60.693-2(a)(4) § 60.693-2(a)(5)(ii) § 60.693-2(c)	subject to this subpart which meets the following specifications:	§ 60.693-2(a)(5)(i) § 60.696(a) [G]§ 60.696(d)	[G]§ 60.697(f)(2) [G]§ 60.697(k)	
67TANK0905	EU	61FF-1	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(A) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 61.357(e) § 61.357(f)
67TANK0905	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.655(h)(6) § 63.655(h)(6)(ii)
67TANK0927	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
67TANK0927	EU	60Kb-1	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
67TANK0927	EU	60QQQ-1	VOC	40 CFR Part 60, Subpart QQQ	§ 60.693-2(a) § 60.692-1(a) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b) § 60.693-2(a)(1) § 60.693-2(a)(1)(i) § 60.693-2(a)(1)(i)(B) § 60.693-2(a)(1)(i)(C) [G]§ 60.693-2(a)(1)(ii) § 60.693-2(a)(1)(iii) § 60.693-2(a)(1)(iv) § 60.693-2(a)(2) § 60.693-2(a)(3) § 60.693-2(a)(4)	May elect to install a floating roof on an oil-water separator tank, slop oil tank or other auxiliary equipment subject to this subpart which meets the following specifications:	§ 60.693-2(a)(1)(iii)(A) § 60.693-2(a)(1)(iii)(B) § 60.693-2(a)(5)(i) § 60.696(a) [G]§ 60.696(d)	§ 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) [G]§ 60.697(k)	§ 60.693-2(b) § 60.698(a) § 60.698(b)(1) § 60.698(e)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.693-2(a)(5)(ii) § 60.693-2(c)				
75LABCC	CD	61FF	Benzene	40 CFR Part 61, Subpart FF	§ 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(e) § 61.349(f) § 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 per following:	§ 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(d) § 61.354(f)(1) [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) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i)(G) [G]§ 61.356(f)(3) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i)	None
ASPHALTP RO	EU	60UU-1	PM (Opacity)	40 CFR Part 60, Subpart UU	§ 60.472(c)	Within 60 days of maximum production rate, but not later than 180 days after initial startup, asphalt storage tank exhaust gases shall not discharge opacity > 0%, except as specified.	§ 60.473(c) § 60.473(d) § 60.474(b) § 60.474(c)(5) ** See Periodic Monitoring Summary	§ 60.473(d)	§ 60.473(c) § 60.473(d)
ENG-02	EU	60III-9	CO	40 CFR Part 60, Subpart III	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) § 60.4211(b) § 60.4211(b)(1) [G]§ 60.4211(f)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2008 model year or earlier must comply with a CO emission limit of 3.5 g/KW-	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						hr, as listed in Table 4 to this subpart.			
ENG-02	EU	60III-9	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) § 60.4211(b) § 60.4211(b)(1) [G]§ 60.4211(f)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2008 model year or earlier must comply with an NMHC+NO <sub>x</sub> emission limit of 10.5 g/KW-hr, as listed in Table 4 to this subpart.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
ENG-02	EU	60III-9	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) § 60.4211(b) § 60.4211(b)(1) [G]§ 60.4211(f)	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 130 KW and less than or equal to 560 KW and a displacement of less than 30 liters per cylinder and is a 2008 model year or earlier must comply with a PM emission limit of 0.54 g/KW-hr, as listed in Table 4 to this subpart.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
ENG-02	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(b)(1) § 63.6595(c) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	An affected source which meets either of the criteria in paragraphs §63.6590(b)(1)(i)-(ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the	None	None	§ 63.6645(f)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						initial notification requirements of §63.6645(f).			
ENG-03	EU	63ZZZZ-3	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(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 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(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
ENG-04	EU	63ZZZZ-3	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(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 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(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
ENG-05	EU	63ZZZZ-3	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(f) § 63.6625(h) § 63.6625(i)	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(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 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)
					§ 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)				
ENG-06	EU	63ZZZZ-3	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(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 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(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
ENG-07	EU	60III-5	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
ENG-07	EU	60III-5	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4211(c) [G]§ 60.4211(f)	than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.			
ENG-07	EU	60III-5	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.30 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
ENG-07	EU	60III-5	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039.105(b)(1) § 1039.105(b)(2) § 1039.105(b)(3) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2), and 40 CFR 1039.105(b)(1)-(3).			
ENG-07	EU	63ZZZZ-8	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
ENG-08	EU	60IIII-5	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)



**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ENG-08	EU	60III-5	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NO <sub>x</sub> emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
ENG-08	EU	60III-5	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.30 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
ENG-08	EU	60III-5	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039.105(b)(1) § 1039.105(b)(2) § 1039.105(b)(3) § 60.4202(a)(2) § 60.4206 § 60.4207(b)	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	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2), and 40 CFR 1039.105(b)(1)-(3).			
ENG-08	EU	63ZZZZ-8	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
ENG-09	EU	60IIII-6	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.			
ENG-09	EU	60III-6	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NO <sub>x</sub> emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
ENG-09	EU	60III-6	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
ENG-09	EU	60III-6	PM	40 CFR Part 60,	§ 60.4205(b)	Emergency stationary CI	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			(Opacity)	Subpart IIII	§ 1039.105(b)(1) § 1039.105(b)(2) § 1039.105(b)(3) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2), and 40 CFR 1039.105(b)(1)-(3).			
ENG-09	EU	63ZZZZ-9	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
ENG-10	EU	60IIII-7	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2)	Owners and operators of emergency stationary CI ICE, that are not fire pump	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.			
ENG-10	EU	60III-7	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than 560 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 an NMHC+NO <sub>x</sub> emission limit of 6.4 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
ENG-10	EU	60III-7	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.			
ENG-10	EU	60III-7	PM (Opacity)	40 CFR Part 60, Subpart III	§ 60.4205(b) § 1039.105(b)(1) § 1039.105(b)(2) § 1039.105(b)(3) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2), and 40 CFR 1039.105(b)(1)-(3).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
ENG-10	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(b)(1) § 63.6595(c) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	An affected source which meets either of the criteria in paragraphs §63.6590(b)(1)(i)-(ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the initial notification requirements of §63.6645(f).	None	None	§ 63.6645(f)
ENG-11	EU	63ZZZZ-6	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the	None	None	None

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
ENG-12	EU	63ZZZZ-6	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
ENG-15	EU	63ZZZZ-3	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(f) § 63.6625(h)	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(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 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)
					§ 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)				
ENG-16	EU	63ZZZZ-7	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
ENG-17	EU	60IIII-2	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)	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 1039-Appendix I 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)
ENG-17	EU	60III-2	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)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 37 KW but less than 56 KW and a displacement of less than 10 liters per cylinder and is a 2008 model year and later must comply with an NMHC+NO <sub>x</sub> emission limit of 4.7 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039-Appendix I and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
ENG-17	EU	60III-2	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)	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 19 KW and less than 56 KW and a displacement of less than 10 liters per cylinder and is a 2013 model year and later must comply with a PM emission limit of 0.03 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
ENG-17	EU	63ZZZZ-4	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements	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)
						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.			
ENG-18	EU	60IIII-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)	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 1039-Appendix I and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
ENG-18	EU	60IIII-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)	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 year must comply with an NMHC+NO <sub>x</sub> emission limit of 4.0 g/KW-hr as stated in	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)
						40 CFR 60.4201(a) and 40 CFR 1039-Appendix I and 40 CFR 1039.102.			
ENG-18	EU	60III-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)	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
ENG-18	EU	63ZZZZ-5	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
ENG-19	EU	60III-2	CO	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039.102 § 60.4201(a)	Owners and operators of non-emergency stationary CI ICE with a maximum	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)
					§ 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c)	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 1039-Appendix I and 40 CFR 1039.102 and 40 CFR 1039.101.			
ENG-19	EU	60III-2	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart III	§ 60.4204(b) § 1039.102 § 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 37 KW but less than 56 KW and a displacement of less than 10 liters per cylinder and is a 2008 model year and later must comply with an NMHC+NO <sub>x</sub> emission limit of 4.7 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039-Appendix I and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
ENG-19	EU	60III-2	PM	40 CFR Part 60, Subpart III	§ 60.4204(b) § 1039.102 § 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 19 KW and less than 56 KW and a displacement of less than 10 liters per cylinder and is a 2013 model year and later	None	None	None

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						must comply with a PM emission limit of 0.03 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039.102 and 40 CFR 1039.101.			
ENG-19	EU	63ZZZZ-4	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section 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
ENG-20	EU	60IIII-4	CO	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039-Appendix I § 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 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 1039-Appendix I and 40 CFR 1039.102 and 40	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)
						CFR 1039.101.			
ENG-20	EU	60III-4	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039-Appendix I § 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 75 KW but less than 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 - 2013 model 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 1039-Appendix I and 40 CFR 1039.102.	None	None	None
ENG-20	EU	60III-4	PM	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039-Appendix I § 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 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 emission limit of 0.20 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039-Appendix I	None	None	None
ENG-20	EU	60III-4	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039.105(b)(1) § 1039.105(b)(2) § 1039.105(b)(3) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a)	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	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)
					§ 60.4211(c)	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 1039.105(b)(1)-(3).			
ENG-20	EU	63ZZZZ-5	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
ENG-21	EU	63ZZZZ-3	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(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i)	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(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 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)
					§ 63.6640(f)(3)				
ENG-22	EU	63ZZZZ-11	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(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 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(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
GRP-CTWR	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.654(a) § 63.642(b) § 63.642(n) [G]§ 63.654(d) [G]§ 63.654(f)	Except as specified in §63.654(b), the owner or operator of a heat exchange system that meets the criteria in §63.640(c)(8) must comply with the requirements of §63.654(c)-(g).	§ 63.642(d)(1) § 63.642(d)(3) § 63.642(d)(4) § 63.654(c) [G]§ 63.654(c)(1) § 63.654(c)(3) [G]§ 63.654(c)(4) [G]§ 63.654(c)(6) [G]§ 63.654(d) § 63.654(e) [G]§ 63.654(f) [G]§ 63.654(g)	§ 63.642(d)(3) [G]§ 63.654(g) § 63.655(i) § 63.655(i)(5) § 63.655(i)(5)(i) § 63.655(i)(5)(ii) [G]§ 63.655(i)(5)(iii) § 63.655(i)(5)(iv) § 63.655(i)(5)(v) § 63.655(i)(6)	§ 63.642(d)(2) § 63.642(f) [G]§ 63.654(c)(4) § 63.655(f) § 63.655(f)(1)(vi) § 63.655(f)(4) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(9) § 63.655(h) § 63.655(h)(7)
GRP-FLAREVT	EP	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.643(a)(1) § 63.642(b) § 63.642(n) § 63.644(a)(2) § 63.670	For a Group 1 miscellaneous process vent, reduce emissions of organic HAPs using a flare. On and after January 30, 2019, the flare shall meet the requirements of §63.670.	§ 63.644(a) § 63.644(c)(2) § 63.644(c)(3) § 63.644(e) § 63.645(a) § 63.645(i)	§ 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(4) § 63.655(i)(4)(ii) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(ii) [G]§ 63.655(f)(1)(iv) § 63.655(f)(4) § 63.655(g) § 63.655(g)(14) § 63.655(g)(6) § 63.655(g)(6)(iii) § 63.655(h)
GRP-	EP	63G-1	112(B)	40 CFR Part 63,	[G]§ 63.113(a)(1)	Reduce emissions of	§ 63.114(a)	[G]§ 63.117(a)(5)	[G]§ 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)
FLAREVT			HAPS	Subpart G	§ 63.11 § 63.113(h) [G]§ 63.115(f)	organic HAP using a flare. §63.113(a)(1)(i)-(ii)	§ 63.114(a)(2) § 63.114(d)(2) [G]§ 63.115(f) [G]§ 63.116(a)	§ 63.118(a)(1) § 63.118(a)(2) § 63.118(a)(4) [G]§ 63.152(a) [G]§ 63.152(f)	§ 63.117(f) § 63.118(f)(2) § 63.118(f)(4) § 63.118(f)(5) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
GRP-VENT15	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRP-VENT20	EP	R1111	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRP-	EP	R1111	Opacity	30 TAC Chapter	§ 111.111(a)(1)(A)	Visible emissions from any	[G]§	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)
VENT30				111, Visible Emissions	§ 111.111(a)(1)(E)	stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	111.111(a)(1)(F) ** See Periodic Monitoring Summary		
GRPADDTA NK	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
GRPCVSQQ Q	EU	60QQQ	VOC	40 CFR Part 60, Subpart QQQ	§ 60.692-5 § 60.692-1(a) § 60.692-5(b) § 60.692-5(d) [G]§ 60.692-5(e) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b)	Standards for closed vent system and control devices.	§ 60.695(a) § 60.695(a)(3) § 60.695(a)(3)(ii) § 60.696(a) [G]§ 60.696(b)	§ 60.695(a)(3) § 60.697(a) § 60.697(d) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) § 60.697(f)(3) § 60.697(f)(3)(i) § 60.697(f)(3)(ii) § 60.697(f)(3)(iii) § 60.697(f)(3)(iv) § 60.697(f)(3)(v) § 60.697(f)(3)(vi) § 60.697(f)(3)(vii) § 60.697(f)(3)(x) § 60.697(f)(3)(x)(B)	§ 60.698(b)(1) § 60.698(d) § 60.698(d)(3) § 60.698(d)(3)(ii) § 60.698(e)
GRPDOCKT KS	EU	R115-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(a)(5) § 115.118(a)(7)	None
GRPEQTAN KS	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						vapor pressure less than 1.5 psia is exempt from the requirements of this division.			
GRPEQTAN KS	EU	61FF-1	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) [G]§ 60.112b(a)(2) § 61.351(a)(2) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 61.356(k)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 61.357(e) § 61.357(f)
GRPFUG-CCH	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-CCH	EU	R5352ALL	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	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-	EU	R5352ALL	VOC	30 TAC Chapter	§ 115.357(11)	Sampling connection	None	§ 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)
CCH				115, Pet. Refinery & Petrochemicals		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.		§ 115.356(3) [G]§ 115.356(3)(C)	
GRPFUG-CCH	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-CCH	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-CCH	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Conservation vents or other devices on atmospheric storage tanks that are actuated either by a vacuum or a pressure of no more than 2.5 psig, pressure relief valves equipped with a rupture disk or venting to a	None	§ 115.356 § 115.356(3) [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)
						control device, components in continuous vacuum service, and valves that are not externally regulated (such as in-line check valves) are exempt from the requirements of this division, except that each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.			
GRPFUG-CCH	EU	R5352ALL	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(7) § 115.357(1)	No process drains contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-CCH	EU	R5352ALL	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(7)	No process drains contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(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)
						background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-CCH	EU	R5352ALL	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(8) § 115.357(9)	No pressure relief valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 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) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-CCH	EU	R5352ALL	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(12) § 115.357(8) § 115.357(9)	No pressure relief valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-CCH	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A)	No open-ended valves or lines contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2)	[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(1) § 115.357(8) § 115.357(9)	service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-CCH	EU	R5352ALL	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(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-CCH	EU	R5352ALL	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(8) § 115.357(9)	No valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[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)	or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-CCH	EU	R5352ALL	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(12) § 115.357(8)	No flanges or other connectors contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-CCH	EU	R5352ALL	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(8)	No flanges or other connectors contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-CCH	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2)	No agitators contacting a fluid with TVP less than or equal to 0.044 psia (heavy	[G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(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)
					§ 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1) § 115.357(8)	liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		[G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-CCH	EU	R5352ALL	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)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(8)	No agitators contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-CCH	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7)	No compressor seals in hydrogen service with and the hydrogen content can be expected to always exceed 50.0% by volume shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(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)
					§ 115.357(3) § 115.357(8)	volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-CCH	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-CCH	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No compressor seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-CCH	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery	§ 115.352(1)(B) § 115.352(1)	No compressor seals contacting a fluid with TVP	§ 115.354(1) § 115.354(10)	§ 115.352(7) § 115.354(10)	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) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-CCH	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No pump seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-CCH	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3)	No pump seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(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)
					§ 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-CCH	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No pump seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-CCH	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(C) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8) § 115.358(c)(1) [G]§ 115.358(h)	If the owner or operator elects to use the alternative work practice in §115.358, no component shall be allowed to have a VOC leak, detected as defined in §115.358, for more than 15 days after discovery. This includes any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) [G]§ 115.355 § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f)	§ 115.352(7) § 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) [G]§ 115.356(4) § 115.356(5)	[G]§ 115.358(g)
GRPFUG-	EU	R5352ALL	VOC	30 TAC Chapter	§ 115.352(1)(A)	No valves contacting a fluid	§ 115.354(1)	§ 115.352(7)	[G]§ 115.354(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
CCH				115, Pet. Refinery & Petrochemicals	§ 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(8) § 115.357(9)	with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-CCH	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-10(f) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(i) [G]§ 60.482-10(j) [G]§ 60.482-10(k) § 60.482-10(m) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-CCH	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(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)
					§ 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)			§ 63.655(i)(6)	
GRPFUG-CCH	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-CCH	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(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)
					§ 60.482-9(f) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)				
GRPFUG-CCH	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-CCH	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-6(a)(1) § 60.482-6(a)(2) § 60.482-6(b) § 60.482-6(c) § 60.482-6(d) § 60.482-6(e) § 60.486(k) § 63.642(b) § 63.642(n)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.648(a)(2)				
GRPFUG-CCH	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-5(a) [G]§ 60.482-5(b) § 60.482-5(c) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-CCH	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-3(a) [G]§ 60.482-3(b) § 60.482-3(c) § 60.482-3(d) § 60.482-3(e)(1) § 60.482-3(e)(2) § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) § 60.482-3(h) [G]§ 60.482-3(i) § 60.482-3(j) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2) § 63.648(i)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	§ 60.482-3(e)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-CCH	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-1(g) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2) § 63.648(f)	in light liquid service complying with §60.482-2.	[G]§ 60.482-2(a) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) § 60.486(f) [G]§ 60.486(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i) § 63.655(i)(6)	§ 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-CCH	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d) § 60.486(k) § 63.642(b) § 63.642(n)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-CCH	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g) § 63.642(b) § 63.642(n)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c) if an owner or	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)	None

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						operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).			
GRPFUG-CCH	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-10(c) § 60.482-10(m) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.482-10(e) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-CCH	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-CCH	EU	63CCVV-PRDGV01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						A-7.			
GRPFUG-CCH	EU	63CCVV-PRDGV02	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(iv) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-CCH	EU	63CCVV-PRDGV03	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(iv) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-CCH	EU	63CCVV-PRDGV04	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) § 63.644(a)(2) [G]§ 63.648(j)(2) § 63.648(j)(4)(iv) § 63.670	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	§ 63.644(a) § 63.644(e) [G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(iv) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-CCH	EU	63CCVV-PRDGV05	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2) § 63.648(j)(4)(iv)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500	§ 63.644(a) § 63.644(a)(1)(i) § 63.644(d) § 63.644(e) [G]§ 63.648(j)(2)	§ 63.644(a)(1)(i) § 63.648(h) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(iv) [G]§ 63.655(i)(3)	§ 63.642(f) § 63.644(d) § 63.655(f) [G]§ 63.655(f)(3) § 63.655(f)(4) § 63.655(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.		§ 63.655(i)(6)	[G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h) [G]§ 63.655(h)(10) [G]§ 63.655(h)(9)
GRPFUG-CCH	EU	63CCVV-PRDGV06	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-CCH	EU	63CCVV-PRDGV07	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-CCH	EU	63CCVV-PRDGV08	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) § 63.644(a)(2) [G]§ 63.648(j)(2) § 63.648(j)(4)(iv) § 63.670	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	§ 63.644(a) § 63.644(e) [G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-	EU	63CCVV-	112(B)	40 CFR Part 63,	§ 63.648(j)(1)	Except during a pressure	§ 63.644(a)	§ 63.644(a)(1)(i)	§ 63.642(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
CCH		PRDGV09	HAPS	Subpart CC	§ 63.642(b) § 63.642(n) [G]§ 63.648(j)(2) § 63.648(j)(4)(iv)	release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	§ 63.644(a)(1)(i) § 63.644(d) § 63.644(e) [G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.644(d) § 63.655(f) [G]§ 63.655(f)(3) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h) [G]§ 63.655(h)(10) [G]§ 63.655(h)(9)
GRPFUG-CCH	EU	63CCVV-PRDGV10	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2) [G]§ 63.648(j)(3)(ii) [G]§ 63.648(j)(3)(v) [G]§ 63.648(j)(6) [G]§ 63.648(j)(7)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) § 63.648(j)(3)(iii) § 63.648(j)(3)(iv)	§ 63.648(h) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(i) § 63.655(i)(11)(ii) [G]§ 63.655(i)(11)(iii) § 63.655(i)(6)	§ 63.642(f) § 63.648(j)(3)(iii) § 63.655(f) [G]§ 63.655(f)(1)(vii) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14)
GRPFUG-CCH	EU	63CCVV-PRDGV13	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(4)(iv) § 63.642(b) § 63.642(n) § 63.644(a)(2) § 63.670	For each pressure relief device in organic HAP gas or vapor service routed to a control device, both the closed vent system and control device (if applicable) referenced in §63.648(j)(4)(i)-(iii) must meet the requirements of §63.644. When complying with this §63.648(j)(4), all references to 'Group 1 miscellaneous process vent' in §63.644 mean 'pressure relief device.'	§ 63.644(a) § 63.644(e)	§ 63.648(h) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-CCH	EU	63CCVV-PRDGV14	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(4)(iv) § 63.642(b)	For each pressure relief device in organic HAP gas	§ 63.644(a) § 63.644(a)(1)(i)	§ 63.644(a)(1)(i) § 63.648(h)	§ 63.642(f) § 63.644(d)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.642(n)	or vapor service routed to a control device, both the closed vent system and control device (if applicable) referenced in §63.648(j)(4)(i)-(iii) must meet the requirements of §63.644. When complying with this §63.648(j)(4), all references to 'Group 1 miscellaneous process vent' in §63.644 mean 'pressure relief device.'	§ 63.644(d) § 63.644(e)	§ 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.655(f) [G]§ 63.655(f)(3) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h) [G]§ 63.655(h)(10) [G]§ 63.655(h)(9)
GRPFUG-CCH	EU	63CCVV-PRDLL01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-CCH	EU	63CCVV-PRDLL02	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) § 63.648(j)(3)(iii)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) [G]§ 63.648(j)(3)(i)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.648(j)(3)(iii) § 63.655(d)(2) § 63.655(f) [G]§ 63.655(f)(1)(vii)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2) [G]§ 63.648(j)(3)(ii) [G]§ 63.648(j)(3)(v) [G]§ 63.648(j)(6) [G]§ 63.648(j)(7)		§ 63.648(j)(3)(iv)	[G]§ 63.648(j)(3)(ii) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(i) § 63.655(i)(11)(ii) [G]§ 63.655(i)(11)(iii) § 63.655(i)(6)	§ 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14)
GRPFUG-CCH	EU	63CCVV-PRDLL03	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-CCH	EU	63CCVV-PRDLL04	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)				
GRPFUG-CCH	EU	63CCVV-PRDLL05	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.644(a)(2) § 63.648(a)(2) § 63.648(j)(4)(iv) § 63.670	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 63.644(a) § 63.644(e)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-CCH	EU	63CCVV-PRDLL06	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 63.644(a) § 63.644(a)(1)(i) § 63.644(d) § 63.644(e)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.644(a)(1)(i) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.644(d) § 63.655(d)(2) § 63.655(f) [G]§ 63.655(f)(3) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.642(n) § 63.648(a)(2) § 63.648(j)(4)(iv)				§ 63.655(h) [G]§ 63.655(h)(10) [G]§ 63.655(h)(9)
GRPFUG-CCH	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.164 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Compressors. §63.164(a)-(i)	[G]§ 63.164 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(f)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.165 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pressure relief device in gas/vapor service. §63.165(a)-(d)	[G]§ 63.165 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(f)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.166 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Sampling connection systems. §63.166(a)-(c)	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pumps in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Valves in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
GRPFUG-CCH	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Agitators in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Instrumentation systems. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pressure relief devices in liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.170 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Surge control vessels and bottom receivers.	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.172(c) § 63.172(e)	Enclosed combustion devices shall be designed	§ 63.172(e) [G]§ 63.172(h)	§ 63.181(a) [G]§ 63.181(b)	[G]§ 63.182(a) [G]§ 63.182(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)
					[G]§ 63.172(h) § 63.172(m)	and operated to reduce the organic HAP or VOC emissions vented to them with requirements as specified in this section.	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) § 63.181(g)(1)(iv) [G]§ 63.181(g)(2)	§ 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.172(d) § 63.172(e) [G]§ 63.172(h) § 63.172(m) [G]§ 63.670	Flares used to comply with this subpart shall comply with the requirements of § 63.11(b) of 40 CFR 63, Subpart A.	§ 63.172(e) [G]§ 63.172(h) [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.180(e) [G]§ 63.671	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 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]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.173 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Agitators gas/vapor service and in light liquid service. §63.173(a)-(j).	[G]§ 63.173 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.174 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in gas/vapor service and in light liquid service. §63.174(a)-(j)	[G]§ 63.174 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.172(a) [G]§ 63.172(h) § 63.172(i) § 63.172(j)(1) § 63.172(j)(2) § 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,	[G]§ 63.172(f)(1) [G]§ 63.172(f)(2) § 63.172(g) [G]§ 63.172(h) § 63.172(j)(1) § 63.172(j)(2)	§ 63.118(a)(3) § 63.172(j)(1) [G]§ 63.172(k) [G]§ 63.172(l) § 63.181(a) [G]§ 63.181(b)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(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)
						except as provided in §63.162(b).	[G]§ 63.172(k) [G]§ 63.172(l) [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3)	
GRPFUG-CCH	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.163 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.176	Standards: Pumps in light liquid service. §63.163(a)-(j)	[G]§ 63.163 [G]§ 63.176 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(3) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) § 63.181(h)(8)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.167 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.175	Standards: Open-ended valves or lines. §63.167(a)-(e).	[G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) § 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) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.168 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.175	Standards: Valves in gas/vapor service and in light liquid service. §63.168(a)-(j)	[G]§ 63.168 [G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(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)
								§ 63.181(h)(6) § 63.181(h)(7)	
GRPFUG-CCH	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.162(e) § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h)	Equipment that is in organic HAP service less than 300 hours per year is excluded from the requirements of §§63.163 - 63.174 and §63.178 if it is identified as required in §63.181(j).	[G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i) § 63.181(j)	[G]§ 63.182(a) [G]§ 63.182(b)
GRPFUG-CCH1	EU	R5352-ALL	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(8) § 115.357(9)	No valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-CCH1	EU	R5352-ALL	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(12) § 115.357(8)	No flanges or other connectors contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(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)
						based on sight, smell, or sound.			
GRPFUG-CCH1	EU	R5352-ALL	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(8)	No flanges or other connectors contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-CCH1	EU	R5352-ALL	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)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1) § 115.357(8)	No agitators contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-CCH1	EU	R5352-ALL	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)(C)	No agitators contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3)	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)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(8)	leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		§ 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-CCH1	EU	R5352-ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(8)	No compressor seals in hydrogen service with and the hydrogen content can be expected to always exceed 50.0% by volume shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-CCH1	EU	R5352-ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4)	No compressor seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(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)
					§ 115.357(8)	as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-CCH1	EU	R5352-ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No compressor seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-CCH1	EU	R5352-ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No compressor seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-CCH1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A)	No pump seals that are equipped with a shaft sealing system that prevents or detects	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(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)
					§ 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		§ 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-CCH1	EU	R5352-ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No pump seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-CCH1	EU	R5352-ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7)	No pump seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(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)
					§ 115.357(12) § 115.357(8)	as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-CCH1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(C) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8) § 115.358(c)(1) [G]§ 115.358(h)	If the owner or operator elects to use the alternative work practice in §115.358, no component shall be allowed to have a VOC leak, detected as defined in §115.358, for more than 15 days after discovery. This includes any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) [G]§ 115.355 § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f)	§ 115.352(7) § 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) [G]§ 115.356(4) § 115.356(5)	[G]§ 115.358(g)
GRPFUG-CCH1	EU	R5352-ALL	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(8) § 115.357(9)	No valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-CCH1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing	None	§ 115.356 § 115.356(3) [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)
						operations are exempt from the requirements of this division except §115.356(3)(C) of this title.			
GRPFUG-CCH1	EU	R5352-ALL	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	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-CCH1	EU	R5352-ALL	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	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-CCH1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-CCH1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that	None	§ 115.356 § 115.356(3) [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)
						contact a process fluid that contains less than 10% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.			
GRPFUG-CCH1	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Conservation vents or other devices on atmospheric storage tanks that are actuated either by a vacuum or a pressure of no more than 2.5 psig, pressure relief valves equipped with a rupture disk or venting to a control device, components in continuous vacuum service, and valves that are not externally regulated (such as in-line check valves) are exempt from the requirements of this division, except that each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-CCH1	EU	R5352-ALL	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(7) § 115.357(1)	No process drains contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(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)
						or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-CCH1	EU	R5352-ALL	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(7)	No process drains contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5)	None
GRPFUG-CCH1	EU	R5352-ALL	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(8) § 115.357(9)	No pressure relief valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 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) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-CCH1	EU	R5352-ALL	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 pressure relief valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2)	[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(5) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8) § 115.357(9)	have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-CCH1	EU	R5352-ALL	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(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-CCH1	EU	R5352-ALL	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(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[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)
						process fluid based on sight, smell, or sound.			
GRPFUG-CCH1	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(d) § 60.486(k)	Comply with the requirements as stated in §60.482-1(d) for equipment in vacuum service.	None	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(6) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-CCH1	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements as stated in §60.482-8 for pressure relief devices in heavy liquid service.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.593(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-CCH1	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f)	Comply with the requirements in as stated in §60.482-7 for valves in gas/vapor or light-liquid service.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.593(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.486(k) § 60.592(d) § 60.592(e)				
GRPFUG-CCH1	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements in as stated in §60.482-8 for valves in heavy-liquid service.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.593(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-CCH1	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements in as stated in §60.482-8 for pumps in heavy-liquid service.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.593(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(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)
GRPFUG-CCH1	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements in as stated in §60.482-8 for pressure relief devices in light-liquid service.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.593(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-CCH1	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements in as stated in §60.482-8 for flanges or other connectors.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-CCH1	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-10(f) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(i)	Comply with the requirements as stated in §60.482-10 for closed-vent systems.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(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)
					[G]§ 60.482-10(j) [G]§ 60.482-10(k) § 60.482-10(m) § 60.592(d) § 60.592(e)				
GRPFUG-CCH1	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-6(a)(1) § 60.482-6(a)(2) § 60.482-6(b) § 60.482-6(c) § 60.482-6(d) § 60.482-6(e) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements in as stated in §60.482-6 for open-ended valves and lines.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-CCH1	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-5(a) [G]§ 60.482-5(b) § 60.482-5(c) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements in as stated in §60.482-5 for sampling connection systems.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-CCH1	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-4(a) § 60.482-4(b)(1) § 60.482-4(c) § 60.482-4(d)(1) § 60.482-4(d)(2) § 60.482-9(a)	Comply with the requirements in as stated in §60.482-4 for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9(b) § 60.486(k) § 60.592(d) § 60.592(e)				
GRPFUG-CCH1	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-3(a) [G]§ 60.482-3(b) § 60.482-3(c) § 60.482-3(d) § 60.482-3(e)(1) § 60.482-3(e)(2) § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) § 60.482-3(h) [G]§ 60.482-3(i) § 60.482-3(j) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements as stated in §60.482-3 for compressors.	§ 60.482-3(e)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-CCH1	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-3(a) [G]§ 60.482-3(b) § 60.482-3(c) § 60.482-3(d) § 60.482-3(e)(1) § 60.482-3(e)(2) § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) § 60.482-3(h) [G]§ 60.482-3(i) § 60.482-3(j) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements as stated in §60.482-3 for reciprocating compressors that become subject under §60.14 and §60.15.	§ 60.482-3(e)(1) § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-3(h) [G]§ 60.482-3(i) § 60.482-3(j) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.592(d) § 60.592(e) § 60.593(c)				
GRPFUG-CCH1	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements as stated in §60.482-2 for pumps in light-liquid service.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) [G]§ 60.482-2(a) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.593(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-CCH1	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g)	Comply with the requirements as stated in §60.482-10 for enclosed combustion devices.	§ 60.482-10(e) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-10(c) § 60.482-10(m) § 60.486(k) § 60.592(d) § 60.592(e)		[G]§ 60.485(d) § 60.485(f)	§ 60.486(e)(1) § 60.486(j)	
GRPFUG-CCH1	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-10(d) § 60.482-10(m) § 60.486(k) § 60.592(d) § 60.592(e) [G]§ 63.670	Comply with the requirements as stated in §60.482-10 for flares.	§ 60.482-10(e) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) [G]§ 63.671	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-CCH1	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-CCH1	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	complying with §60.482-7.	§ 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	§ 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 63.642(f) § 63.655(d)(2)
GRPFUG-CCH1	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-6(a)(1) § 60.482-6(a)(2) § 60.482-6(b) § 60.482-6(c) § 60.482-6(d) § 60.482-6(e) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-CCH1	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-5(a) [G]§ 60.482-5(b) § 60.482-5(c) § 60.486(k) § 63.642(b)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(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)
					§ 63.642(n) § 63.648(a)(2)				
GRPFUG-CCH1	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-3(a) [G]§ 60.482-3(b) § 60.482-3(c) § 60.482-3(d) § 60.482-3(e)(1) § 60.482-3(e)(2) § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) § 60.482-3(h) [G]§ 60.482-3(i) § 60.482-3(j) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2) § 63.648(i)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	§ 60.482-3(e)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-CCH1	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) [G]§ 60.482-2(a) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) § 60.486(f) [G]§ 60.486(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(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)
					[G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2) § 63.648(f)			§ 63.655(d)(6) § 63.655(i) § 63.655(i)(6)	
GRPFUG-CCH1	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d) § 60.486(k) § 63.642(b) § 63.642(n)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-CCH1	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g) § 63.642(b) § 63.642(n)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c) if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)	None
GRPFUG-CCH1	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)			§ 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	
GRPFUG-CCH1	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-10(f) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(i) [G]§ 60.482-10(j) [G]§ 60.482-10(k) § 60.482-10(m) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-CCH1	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-10(c) § 60.482-10(m) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for enclosed combustion devices complying with §60.482-10.	§ 60.482-10(e) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-	EU	63CCVV-	112(B)	40 CFR Part 63,	§ 63.648(a)	Comply with the specified	§ 60.482-8(a)(1)	§ 60.482-1(g)	§ 60.487(a)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
CCH1		ALL	HAPS	Subpart CC	§ 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	[G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-CCH1	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-CCH1	EU	63CCVV-PRDGV01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						detected by Method 21 of 40 CFR part 60, appendix A-7.			
GRPFUG-CCH1	EU	63CCVV-PRDGV02	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(iv) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-CCH1	EU	63CCVV-PRDGV03	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(iv) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-CCH1	EU	63CCVV-PRDGV04	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) § 63.644(a)(2) [G]§ 63.648(j)(2) § 63.648(j)(4)(iv) § 63.670	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	§ 63.644(a) § 63.644(e) [G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(iv) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-CCH1	EU	63CCVV-PRDGV05	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor	§ 63.644(a) § 63.644(a)(1)(i) § 63.644(d) § 63.644(e)	§ 63.644(a)(1)(i) § 63.648(h) § 63.655(i) § 63.655(i)(11)	§ 63.642(f) § 63.644(d) § 63.655(f) [G]§ 63.655(f)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.648(j)(4)(iv)	service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.655(i)(11)(iv) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h) [G]§ 63.655(h)(10) [G]§ 63.655(h)(9)
GRPFUG-CCH1	EU	63CCVV-PRDGV06	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-CCH1	EU	63CCVV-PRDGV07	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-CCH1	EU	63CCVV-PRDGV08	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) § 63.644(a)(2) [G]§ 63.648(j)(2) § 63.648(j)(4)(iv) § 63.670	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	§ 63.644(a) § 63.644(e) [G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPFUG-CCH1	EU	63CCVV-PRDGV09	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2) § 63.648(j)(4)(iv)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	§ 63.644(a) § 63.644(a)(1)(i) § 63.644(d) § 63.644(e) [G]§ 63.648(j)(2)	§ 63.644(a)(1)(i) § 63.648(h) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.644(d) § 63.655(f) [G]§ 63.655(f)(3) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h) [G]§ 63.655(h)(10) [G]§ 63.655(h)(9)
GRPFUG-CCH1	EU	63CCVV-PRDGV10	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2) [G]§ 63.648(j)(3)(ii) [G]§ 63.648(j)(3)(v) [G]§ 63.648(j)(6) [G]§ 63.648(j)(7)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) § 63.648(j)(3)(iii) § 63.648(j)(3)(iv)	§ 63.648(h) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(i) § 63.655(i)(11)(ii) [G]§ 63.655(i)(11)(iii) § 63.655(i)(6)	§ 63.642(f) § 63.648(j)(3)(iii) § 63.655(f) [G]§ 63.655(f)(1)(vii) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14)
GRPFUG-CCH1	EU	63CCVV-PRDGV13	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(4)(iv) § 63.642(b) § 63.642(n) § 63.644(a)(2) § 63.670	For each pressure relief device in organic HAP gas or vapor service routed to a control device, both the closed vent system and control device (if applicable) referenced in §63.648(j)(4)(i)-(iii) must meet the requirements of §63.644. When complying with this §63.648(j)(4), all references to 'Group 1 miscellaneous process vent' in §63.644 mean 'pressure relief device.'	§ 63.644(a) § 63.644(e)	§ 63.648(h) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-	EU	63CCVV-	112(B)	40 CFR Part 63,	§ 63.648(j)(4)(iv)	For each pressure relief	§ 63.644(a)	§ 63.644(a)(1)(i)	§ 63.642(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
CCH1		PRDGV14	HAPS	Subpart CC	§ 63.642(b) § 63.642(n)	device in organic HAP gas or vapor service routed to a control device, both the closed vent system and control device (if applicable) referenced in §63.648(j)(4)(i)-(iii) must meet the requirements of §63.644. When complying with this §63.648(j)(4), all references to 'Group 1 miscellaneous process vent' in §63.644 mean 'pressure relief device.'	§ 63.644(a)(1)(i) § 63.644(d) § 63.644(e)	§ 63.648(h) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.644(d) § 63.655(f) [G]§ 63.655(f)(3) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h) [G]§ 63.655(h)(10) [G]§ 63.655(h)(9)
GRPFUG-CCH1	EU	63CCVV-PRDLL01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-CCH1	EU	63CCVV-PRDLL02	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.648(j)(3)(iii) § 63.655(d)(2) § 63.655(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)
					§ 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2) [G]§ 63.648(j)(3)(ii) [G]§ 63.648(j)(3)(v) [G]§ 63.648(j)(6) [G]§ 63.648(j)(7)		§ 63.648(j)(3)(iii) § 63.648(j)(3)(iv)	[G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(i) § 63.655(i)(11)(ii) [G]§ 63.655(i)(11)(iii) § 63.655(i)(6)	[G]§ 63.655(f)(1)(vii) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14)
GRPFUG-CCH1	EU	63CCVV-PRDLL03	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-CCH1	EU	63CCVV-PRDLL04	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(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)
					§ 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)			§ 63.655(i)(6)	
GRPFUG-CCH1	EU	63CCVV-PRDLL05	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.644(a)(2) § 63.648(a)(2) § 63.648(j)(4)(iv) § 63.670	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 63.644(a) § 63.644(e)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-CCH1	EU	63CCVV-PRDLL06	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 63.644(a) § 63.644(a)(1)(i) § 63.644(d) § 63.644(e)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.644(a)(1)(i) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.644(d) § 63.655(d)(2) § 63.655(f) [G]§ 63.655(f)(3) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14)



**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.642(b) § 63.642(n) § 63.648(a)(2) § 63.648(j)(4)(iv)				§ 63.655(g)(6) § 63.655(h) [G]§ 63.655(h)(10) [G]§ 63.655(h)(9)
GRPFUG-CCH1	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.172(c) § 63.172(e) [G]§ 63.172(h) § 63.172(m)	Enclosed combustion devices shall be designed and operated to reduce the organic HAP or VOC emissions vented to them with requirements as specified in this section.	§ 63.172(e) [G]§ 63.172(h) [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) § 63.181(g)(1)(iv) [G]§ 63.181(g)(2)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH1	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.170 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Surge control vessels and bottom receivers.	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH1	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.173 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Agitators gas/vapor service and in light liquid service. §63.173(a)-(j).	[G]§ 63.173 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH1	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.174 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in gas/vapor service and in light liquid service. §63.174(a)-(j)	[G]§ 63.174 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH1	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.172(a) [G]§ 63.172(h) § 63.172(i)	Owners/operators of closed-vent systems and control devices used to comply with	[G]§ 63.172(f)(1) [G]§ 63.172(f)(2) § 63.172(g)	§ 63.118(a)(3) § 63.172(j)(1) [G]§ 63.172(k)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.172(j)(1) § 63.172(j)(2) § 63.172(m)	provisions of this subpart shall comply with the provisions of this section, except as provided in §63.162(b).	[G]§ 63.172(h) § 63.172(j)(1) § 63.172(j)(2) [G]§ 63.172(k) [G]§ 63.172(l) [G]§ 63.180(b) [G]§ 63.180(d)	[G]§ 63.172(l) § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3)	[G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH1	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.163 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.176	Standards: Pumps in light liquid service. §63.163(a)-(j)	[G]§ 63.163 [G]§ 63.176 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(3) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) § 63.181(h)(8)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH1	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.167 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.175	Standards: Open-ended valves or lines. §63.167(a)-(e).	[G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) § 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) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH1	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.168 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h)	Standards: Valves in gas/vapor service and in light liquid service. §63.168(a)-(j)	[G]§ 63.168 [G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(1)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)

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<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
					[G]§ 63.171 [G]§ 63.175			[G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7)	
GRPFUG-CCH1	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.162(e) § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h)	Equipment that is in organic HAP service less than 300 hours per year is excluded from the requirements of §§63.163 - 63.174 and §63.178 if it is identified as required in §63.181(j).	[G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i) § 63.181(j)	[G]§ 63.182(a) [G]§ 63.182(b)
GRPFUG-CCH1	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.164 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Compressors. §63.164(a)-(i)	[G]§ 63.164 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(f)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH1	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.165 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pressure relief device in gas/vapor service. §63.165(a)-(d)	[G]§ 63.165 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(f)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH1	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.166 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Sampling connection systems. §63.166(a)-(c)	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH1	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g)	Standards: Pumps in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.162(h) [G]§ 63.171				[G]§ 63.182(d)
GRPFUG-CCH1	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Valves in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH1	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH1	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Agitators in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH1	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Instrumentation systems. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-CCH1	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pressure relief devices in liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(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]§ 63.171				
GRPFUG-CCH1	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.172(d) § 63.172(e) [G]§ 63.172(h) § 63.172(m) [G]§ 63.670	Flares used to comply with this subpart shall comply with the requirements of § 63.11(b) of 40 CFR 63, Subpart A.	§ 63.172(e) [G]§ 63.172(h) [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.180(e) [G]§ 63.671	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 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]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-GGGA	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No compressor seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-GGGA	EU	R5352ALL	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	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-GGGA	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2)	No pump seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy	§ 115.354(1) § 115.354(2) § 115.354(5)	§ 115.352(7) § 115.356 [G]§ 115.356(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)
					§ 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	[G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-GGGA	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No pump seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-GGGA	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(C) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5)	If the owner or operator elects to use the alternative work practice in §115.358, no component shall be allowed to have a VOC leak, detected as defined in §115.358, for more than 15 days after discovery. This includes any leak detected using the alternative work practice on a component	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9)	§ 115.352(7) § 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) [G]§ 115.356(4)	[G]§ 115.358(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(7) § 115.357(8) § 115.358(c)(1) [G]§ 115.358(h)	that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	[G]§ 115.355 § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f)	§ 115.356(5)	
GRPFUG-GGGA	EU	R5352ALL	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(8) § 115.357(9)	No valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-GGGA	EU	R5352ALL	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(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-GGGA	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A)	No valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1)	[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(8) § 115.357(9)	allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	[G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-GGGA	EU	R5352ALL	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(12) § 115.357(8)	No flanges or other connectors contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-GGGA	EU	R5352ALL	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(8)	No flanges or other connectors contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-GGGA	EU	R5352ALL	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)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1) § 115.357(8)	No agitators contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-GGGA	EU	R5352ALL	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)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(8)	No agitators contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-GGGA	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2)	No compressor seals in hydrogen service with and the hydrogen content can	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(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)
					§ 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(8)	be expected to always exceed 50.0% by volume shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		[G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-GGGA	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-GGGA	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3)	No compressor seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(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)
					§ 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-GGGA	EU	R5352ALL	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	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-GGGA	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-GGGA	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [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)
GRPFUG-GGGA	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Conservation vents or other devices on atmospheric storage tanks that are actuated either by a vacuum or a pressure of no more than 2.5 psig, pressure relief valves equipped with a rupture disk or venting to a control device, components in continuous vacuum service, and valves that are not externally regulated (such as in-line check valves) are exempt from the requirements of this division, except that each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-GGGA	EU	R5352ALL	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(7) § 115.357(1)	No process drains contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-GGGA	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2)	No process drains contacting a fluid with TVP greater than 0.044 psia	§ 115.354(1) § 115.354(10) § 115.354(5)	§ 115.352(7) § 115.354(10) § 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)(A) § 115.352(3) § 115.352(7)	(gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(6) § 115.354(9) [G]§ 115.355	[G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5)	
GRPFUG-GGGA	EU	R5352ALL	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(8) § 115.357(9)	No pressure relief valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 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) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-GGGA	EU	R5352ALL	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(12) § 115.357(8)	No pressure relief valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[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)	background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-GGGA	EU	R5352ALL	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(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-GGGA	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-GGGA	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7)	No pump seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(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)
					§ 115.357(4) § 115.357(8)	volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGA	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-2a(c)(2) [G]§ 60.482-7a(e) § 60.482-8a(a) § 60.482-8a(a)(2) § 60.482-8a(b) [G]§ 60.482-8a(c) § 60.482-8a(d) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(c) § 60.482-9a(e) § 60.482-9a(f) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-8a for valves in heavy liquid service.	§ 60.482-1a(g) § 60.482-8a(a)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRPFUG-GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGA	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-2a(c)(2) [G]§ 60.482-7a(e) § 60.482-8a(a) § 60.482-8a(a)(2) § 60.482-8a(b)	Comply with the requirements as stated in §60.482-8a for connectors in heavy liquid service.	§ 60.482-1a(g) § 60.482-8a(a)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4)

**Applicable Requirements Summary**

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



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-10a(g) § 60.482-10a(h) § 60.482-10a(i) [G]§ 60.482-10a(j) [G]§ 60.482-10a(k) § 60.482-10a(m) § 60.485a(b) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	systems.	[G]§ 60.485a(d) § 60.593a(d)	§ 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRPFUG-GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-10a(a) § 60.482-10a(d) § 60.482-10a(m) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e) [G]§ 63.670	Comply with the requirements as stated in §60.482-10a for flares.	§ 60.482-10a(e) § 60.482-1a(g) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d) [G]§ 60.485a(g) § 60.593a(d) [G]§ 63.671	§ 60.482-1a(g) § 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRPFUG-GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.593a(g) § 60.482-11a(b)(2) § 60.482-11a(b)(3) § 60.482-11a(d) [G]§ 60.482-11a(e) [G]§ 60.482-11a(f)(1) § 60.482-11a(f)(2) § 60.482-11a(g)	Connectors in gas/vapor or light liquid service are exempt from the requirements in §60.482-11a, provided the owner or operator complies with §60.482-8a for all connectors, not just those in heavy liquid service.	§ 60.482-11a(a) § 60.482-11a(b) § 60.482-11a(b)(1) § 60.482-11a(b)(3) § 60.482-11a(b)(3)(i) § 60.482-11a(b)(3)(ii) [G]§ 60.482-	§ 60.482-11a(b)(3)(v) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8) § 60.486a(e)(9)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(5) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(i) § 60.487a(c)(2)(vii)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(c) § 60.482-9a(f) § 60.485a(b) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)		11a(b)(3)(iii) § 60.482-11a(b)(3)(iv) § 60.482-11a(c) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.486a(f) § 60.486a(f)(1)	§ 60.487a(c)(2)(viii) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRPFUG-GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGA	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(d) § 60.485a(b) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-1a(d) for equipment in vacuum service.	[G]§ 60.485a(b)(1) § 60.485a(b)(2)	§ 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) § 60.486a(e)(5)	None
GRPFUG-GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGA	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-2a(b)(1) § 60.482-2a(b)(2) § 60.482-2a(b)(2)(ii) § 60.482-2a(c)(1) [G]§ 60.482-2a(c)(2) § 60.482-2a(d) [G]§ 60.482-2a(d)(1) § 60.482-2a(d)(2) § 60.482-2a(d)(3) [G]§ 60.482-	Comply with the requirements as stated in §60.482-2a for pumps in light liquid service.	§ 60.482-1a(f)(1) § 60.482-1a(f)(2) [G]§ 60.482-1a(f)(3) § 60.482-1a(g) § 60.482-2a(a)(1) § 60.482-2a(a)(2) § 60.482-2a(b)(2)(i) [G]§ 60.482-2a(d)(4) [G]§ 60.482-2a(d)(5) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) § 60.486a(e)(7) [G]§ 60.486a(e)(8) § 60.486a(f) § 60.486a(f)(1) [G]§ 60.486a(h)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(3) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(iii) § 60.487a(c)(2)(iv) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

**Applicable Requirements Summary**

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

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.592a(d) § 60.592a(e)				
GRPFUG-GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGA	§ 60.593a(b)(1)	Compressors in hydrogen service are exempt from the requirements of §60.592a if an owner or operator demonstrates that a compressor is in hydrogen service.	§ 60.593a(b)(2) [G]§ 60.593a(b)(3)	None	None
GRPFUG-GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGA	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-3a(a) [G]§ 60.482-3a(b) § 60.482-3a(c) § 60.482-3a(d) § 60.482-3a(e)(2) § 60.482-3a(f) [G]§ 60.482-3a(g) § 60.482-3a(h) [G]§ 60.482-3a(i) § 60.482-3a(j) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e) § 60.593a(c)	Comply with the requirements as stated in §60.482-3a for reciprocating compressors that become subject under §60.14 and §60.15.	§ 60.482-1a(g) § 60.482-3a(e)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) [G]§ 60.486a(e)(8) [G]§ 60.486a(h)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(4) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(v) § 60.487a(c)(2)(vi) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRPFUG-GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGA	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b)	Comply with the requirements as stated in §60.482-3a for	§ 60.482-1a(g) § 60.482-3a(e)(1) § 60.482-9a(a)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3)	§ 60.487a(a) § 60.487a(b) § 60.487a(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)
					§ 60.482-1a(g) § 60.482-3a(a) [G]§ 60.482-3a(b) § 60.482-3a(c) § 60.482-3a(d) § 60.482-3a(e)(2) § 60.482-3a(f) [G]§ 60.482-3a(g) § 60.482-3a(h) [G]§ 60.482-3a(i) § 60.482-3a(j) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	compressors.	§ 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d) § 60.593a(d)	[G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) [G]§ 60.486a(e)(8) [G]§ 60.486a(h)	§ 60.487a(b)(4) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(v) § 60.487a(c)(2)(vi) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRPFUG-GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGA	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-4a(a) § 60.482-4a(b)(1) § 60.482-4a(b)(2) § 60.482-4a(c) § 60.482-4a(d)(1) § 60.482-4a(d)(2) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1)	Comply with the requirements as stated in §60.482-4a for pressure relief devices in gas/vapor service.	§ 60.482-1a(g) § 60.482-4a(b)(2) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) § 60.486a(e)(10) § 60.486a(e)(3) [G]§ 60.486a(e)(4) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

**Applicable Requirements Summary**

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

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.592a(e)				
GRPFUG-GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.593a(f) § 60.482-1a(a) § 60.482-1a(g)	Open-ended valves or lines containing asphalt as defined in (§60.591a are exempt from the requirements of §60.482-6a(a) through (c).	§ 60.482-1a(g) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d)	§ 60.482-1a(g) § 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRPFUG-GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-6a(a)(1) § 60.482-6a(a)(2) § 60.482-6a(b) § 60.482-6a(c) § 60.482-6a(d) § 60.482-6a(e) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-6a for open-ended valves and lines.	§ 60.482-1a(g) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRPFUG-GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-7a(a)(1) § 60.482-7a(b) [G]§ 60.482-7a(d) [G]§ 60.482-7a(e) [G]§ 60.482-7a(f) [G]§ 60.482-7a(g)	Comply with the requirements as stated in §60.482-7a for valves in gas/vapor or light liquid service.	§ 60.482-1a(f)(1) § 60.482-1a(f)(2) [G]§ 60.482-1a(f)(3) § 60.482-1a(g) § 60.482-7a(a)(1) [G]§ 60.482-7a(a)(2) [G]§ 60.482-7a(c) § 60.482-9a(a) § 60.485a(a)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(2) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(i) § 60.487a(c)(2)(ii) § 60.487a(c)(2)(xi)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-7a(h) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(c) § 60.482-9a(e) § 60.482-9a(f) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)		[G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.486a(f) § 60.486a(f)(1) § 60.486a(f)(2)	§ 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRPFUG-GGGA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-10(f) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(i) [G]§ 60.482-10(j) [G]§ 60.482-10(k) § 60.482-10(m) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-GGGA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) § 63.642(f) § 63.655(d)(2)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)		§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(f) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	
GRPFUG-GGGA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-GGGA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-6(a)(1) § 60.482-6(a)(2) § 60.482-6(b) § 60.482-6(c) § 60.482-6(d) § 60.482-6(e)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)				
GRPFUG-GGGA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-5(a) [G]§ 60.482-5(b) § 60.482-5(c) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-GGGA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-3(a) [G]§ 60.482-3(b) § 60.482-3(c) § 60.482-3(d) § 60.482-3(e)(1) § 60.482-3(e)(2) § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) § 60.482-3(h) [G]§ 60.482-3(i) § 60.482-3(j) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2) § 63.648(i)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	§ 60.482-3(e)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
GRPFUG-GGGA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-GGGA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-GGGA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(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)
					§ 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	in heavy liquid service complying with §60.482-8.	[G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	[G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-GGGA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g) § 63.642(b) § 63.642(n)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c) if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)	None
GRPFUG-GGGA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d) § 60.486(k) § 63.642(b) § 63.642(n)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-GGGA	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) [G]§ 60.482-2(a) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2) § 63.648(f)		[G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(e)(4) § 60.486(f) [G]§ 60.486(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i) § 63.655(i)(6)	
GRPFUG-GGGA	EU	63CCVV-PRDGV01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-GGGA	EU	63CCVV-PRDGV02	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(iv) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						detected by Method 21 of 40 CFR part 60, appendix A-7.			
GRPFUG-GGGA	EU	63CCVV-PRDGV03	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(iv) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-GGGA	EU	63CCVV-PRDGV04	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) § 63.644(a)(2) [G]§ 63.648(j)(2) § 63.648(j)(4)(iv) § 63.670	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	§ 63.644(a) § 63.644(e) [G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(iv) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-GGGA	EU	63CCVV-PRDGV06	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-GGGA	EU	63CCVV-PRDGV07	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.			
GRPFUG-GGGA	EU	63CCVV-PRDGV08	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) § 63.644(a)(2) [G]§ 63.648(j)(2) § 63.648(j)(4)(iv) § 63.670	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	§ 63.644(a) § 63.644(e) [G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-GGGA	EU	63CCVV-PRDGV10	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2) [G]§ 63.648(j)(3)(ii) [G]§ 63.648(j)(3)(v) [G]§ 63.648(j)(6) [G]§ 63.648(j)(7)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) § 63.648(j)(3)(iii) § 63.648(j)(3)(iv)	§ 63.648(h) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(i) § 63.655(i)(11)(ii) [G]§ 63.655(i)(11)(iii) § 63.655(i)(6)	§ 63.642(f) § 63.648(j)(3)(iii) § 63.655(f) [G]§ 63.655(f)(1)(vii) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14)
GRPFUG-GGGA	EU	63CCVV-PRDGV13	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(4)(iv) § 63.642(b) § 63.642(n) § 63.644(a)(2) § 63.670	For each pressure relief device in organic HAP gas or vapor service routed to a control device, both the closed vent system and control device (if applicable) referenced in §63.648(j)(4)(i)-(iii) must meet the requirements of §63.644. When complying with this §63.648(j)(4), all references to 'Group 1	§ 63.644(a) § 63.644(e)	§ 63.648(h) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						miscellaneous process vent' in §63.644 mean 'pressure relief device.'			
GRPFUG-GGGA	EU	63CCVV-PRDLL01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-GGGA	EU	63CCVV-PRDLL02	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2) [G]§ 63.648(j)(3)(ii) [G]§ 63.648(j)(3)(v) [G]§ 63.648(j)(6)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) [G]§ 63.648(j)(3)(iii) § 63.648(j)(3)(iv)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(i) § 63.655(i)(11)(ii) [G]§ 63.655(i)(11)(iii) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.648(j)(3)(iii) § 63.655(d)(2) § 63.655(f) [G]§ 63.655(f)(1)(vii) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 63.648(j)(7)				
GRPFUG-GGGA	EU	63CCVV-PRDLL03	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-GGGA	EU	63CCVV-PRDLL04	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-GGGA	EU	63CCVV-PRDLL05	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.644(a)(2) § 63.648(a)(2) § 63.648(j)(4)(iv) § 63.670	complying with §60.482-8.	§ 60.485(f) § 63.644(a) § 63.644(e)	§ 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.655(d)(2) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-R5CC	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5CC	EU	R5352ALL	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	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5CC	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Conservation vents or other devices on atmospheric storage tanks that are actuated either by a vacuum	None	§ 115.356 § 115.356(3) [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)
						or a pressure of no more than 2.5 psig, pressure relief valves equipped with a rupture disk or venting to a control device, components in continuous vacuum service, and valves that are not externally regulated (such as in-line check valves) are exempt from the requirements of this division, except that each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.			
GRPFUG-R5CC	EU	R5352ALL	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(7) § 115.357(1)	No process drains contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5CC	EU	R5352ALL	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(7)	No process drains contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(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)
						discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		§ 115.356(3)(B) § 115.356(5)	
GRPFUG-R5CC	EU	R5352ALL	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(8) § 115.357(9)	No pressure relief valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 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) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5CC	EU	R5352ALL	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(12) § 115.357(8) § 115.357(9)	No pressure relief valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[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)
GRPFUG-R5CC	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5CC	EU	R5352ALL	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	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5CC	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No compressor seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5CC	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii)	No pump seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(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)
					§ 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-R5CC	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No pump seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5CC	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No pump seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(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)
						sound.			
GRPFUG-R5CC	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(C) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8) § 115.358(c)(1) [G]§ 115.358(h)	If the owner or operator elects to use the alternative work practice in §115.358, no component shall be allowed to have a VOC leak, detected as defined in §115.358, for more than 15 days after discovery. This includes any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) [G]§ 115.355 § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f)	§ 115.352(7) § 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) [G]§ 115.356(4) § 115.356(5)	[G]§ 115.358(g)
GRPFUG-R5CC	EU	R5352ALL	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(8) § 115.357(9)	No valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5CC	EU	R5352ALL	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 open-ended valves or lines contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B)	[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(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(8) § 115.357(9)	discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.357(1)	[G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-R5CC	EU	R5352ALL	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(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5CC	EU	R5352ALL	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(8) § 115.357(9)	No valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[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)
GRPFUG-R5CC	EU	R5352ALL	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(12) § 115.357(8)	No flanges or other connectors contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5CC	EU	R5352ALL	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(8)	No flanges or other connectors contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5CC	EU	R5352ALL	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)(C) § 115.352(2)(C)(i)	No agitators contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days	[G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(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)
					§ 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1) § 115.357(8)	after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		§ 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-R5CC	EU	R5352ALL	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)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(8)	No agitators contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5CC	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(8)	No compressor seals in hydrogen service with and the hydrogen content can be expected to always exceed 50.0% by volume shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(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)
						based on sight, smell, or sound.			
GRPFUG-R5CC	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5CC	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No compressor seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5CC	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that	None	§ 115.356 § 115.356(3) [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)
						contact a process fluid that contains less than 10% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.			
GRPFUG-R5CC	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g) § 63.642(b) § 63.642(n)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c) if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)	None
GRPFUG-R5CC	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d) § 60.486(k) § 63.642(b) § 63.642(n)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) [G]§ 60.482-2(a) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) § 60.486(f) [G]§ 60.486(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(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)
					§ 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2) § 63.648(f)				
GRPFUG-R5CC	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-3(a) [G]§ 60.482-3(b) § 60.482-3(c) § 60.482-3(d) § 60.482-3(e)(1) § 60.482-3(e)(2) § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) § 60.482-3(h) [G]§ 60.482-3(i) § 60.482-3(j) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2) § 63.648(i)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	§ 60.482-3(e)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(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)
					§ 60.482-1(g) § 60.482-5(a) [G]§ 60.482-5(b) § 60.482-5(c) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	sampling connection systems complying with §60.482-5.	§ 60.485(f)	§ 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-6(a)(1) § 60.482-6(a)(2) § 60.482-6(b) § 60.482-6(c) § 60.482-6(d) § 60.482-6(e) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) § 63.642(f) § 63.655(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)
					§ 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)				
GRPFUG-R5CC	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.642(b) § 63.642(n) § 63.648(a)(2)				
GRPFUG-R5CC	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for	§ 60.482-10(e) § 60.485(a) [G]§ 60.485(b)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(d)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-1(g) § 60.482-10(c) § 60.482-10(m) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	enclosed combustion devices complying with §60.482-10.	[G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	§ 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-10(f) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(i) [G]§ 60.482-10(j) [G]§ 60.482-10(k) § 60.482-10(m) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC	EU	63CCVV-PRDGV01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-R5CC	EU	63CCVV-PRDGV02	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(iv) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.			
GRPFUG-R5CC	EU	63CCVV-PRDGV03	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(iv) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-R5CC	EU	63CCVV-PRDGV04	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) § 63.644(a)(2) [G]§ 63.648(j)(2) § 63.648(j)(4)(iv) § 63.670	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	§ 63.644(a) § 63.644(e) [G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(iv) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-R5CC	EU	63CCVV-PRDGV05	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2) § 63.648(j)(4)(iv)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	§ 63.644(a) § 63.644(a)(1)(i) § 63.644(d) § 63.644(e) [G]§ 63.648(j)(2)	§ 63.644(a)(1)(i) § 63.648(h) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(iv) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.644(d) § 63.655(f) [G]§ 63.655(f)(3) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h) [G]§ 63.655(h)(10) [G]§ 63.655(h)(9)
GRPFUG-	EU	63CCVV-	112(B)	40 CFR Part 63,	§ 63.648(j)(1)	Except during a pressure	[G]§ 63.648(j)(2)	§ 63.648(h)	§ 63.642(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
R5CC		PRDGV06	HAPS	Subpart CC	§ 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.		§ 63.655(i) § 63.655(i)(6)	§ 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-R5CC	EU	63CCVV-PRDGV07	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-R5CC	EU	63CCVV-PRDGV08	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) § 63.644(a)(2) [G]§ 63.648(j)(2) § 63.648(j)(4)(iv) § 63.670	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	§ 63.644(a) § 63.644(e) [G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-R5CC	EU	63CCVV-PRDGV09	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2) § 63.648(j)(4)(iv)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix	§ 63.644(a) § 63.644(a)(1)(i) § 63.644(d) § 63.644(e) [G]§ 63.648(j)(2)	§ 63.644(a)(1)(i) § 63.648(h) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.644(d) § 63.655(f) [G]§ 63.655(f)(3) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						A-7.			§ 63.655(h) [G]§ 63.655(h)(10) [G]§ 63.655(h)(9)
GRPFUG-R5CC	EU	63CCVV-PRDGV10	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2) [G]§ 63.648(j)(3)(ii) [G]§ 63.648(j)(3)(v) [G]§ 63.648(j)(6) [G]§ 63.648(j)(7)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) § 63.648(j)(3)(iii) § 63.648(j)(3)(iv)	§ 63.648(h) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(i) § 63.655(i)(11)(ii) [G]§ 63.655(i)(11)(iii) § 63.655(i)(6)	§ 63.642(f) § 63.648(j)(3)(iii) § 63.655(f) [G]§ 63.655(f)(1)(vii) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14)
GRPFUG-R5CC	EU	63CCVV-PRDGV13	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(4)(iv) § 63.642(b) § 63.642(n) § 63.644(a)(2) § 63.670	For each pressure relief device in organic HAP gas or vapor service routed to a control device, both the closed vent system and control device (if applicable) referenced in §63.648(j)(4)(i)-(iii) must meet the requirements of §63.644. When complying with this §63.648(j)(4), all references to 'Group 1 miscellaneous process vent' in §63.644 mean 'pressure relief device.'	§ 63.644(a) § 63.644(e)	§ 63.648(h) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-R5CC	EU	63CCVV-PRDGV14	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(4)(iv) § 63.642(b) § 63.642(n)	For each pressure relief device in organic HAP gas or vapor service routed to a control device, both the closed vent system and control device (if applicable) referenced in §63.648(j)(4)(i)-(iii) must meet the requirements of §63.644. When complying	§ 63.644(a) § 63.644(a)(1)(i) § 63.644(d) § 63.644(e)	§ 63.644(a)(1)(i) § 63.648(h) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.644(d) § 63.655(f) [G]§ 63.655(f)(3) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						with this §63.648(j)(4), all references to 'Group 1 miscellaneous process vent' in §63.644 mean 'pressure relief device.'			[G]§ 63.655(h)(10) [G]§ 63.655(h)(9)
GRPFUG-R5CC	EU	63CCVV-PRDLL01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC	EU	63CCVV-PRDLL02	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2) [G]§ 63.648(j)(3)(ii)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) [G]§ 63.648(j)(3)(iii) [G]§ 63.648(j)(3)(iv)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) [G]§ 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(i) § 63.655(i)(11)(ii) [G]§ 63.655(i)(11)(iii) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.648(j)(3)(iii) § 63.655(d)(2) § 63.655(f) [G]§ 63.655(f)(1)(vii) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 63.648(j)(3)(v) [G]§ 63.648(j)(6) [G]§ 63.648(j)(7)				
GRPFUG-R5CC	EU	63CCVV-PRDLL03	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC	EU	63CCVV-PRDLL04	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC	EU	63CCVV-PRDLL05	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.644(a)(2) § 63.648(a)(2) § 63.648(j)(4)(iv) § 63.670	pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 63.644(a) § 63.644(e)	[G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 60.487(e) § 63.642(f) § 63.655(d)(2) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-R5CC	EU	63CCVV-PRDLL06	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2) § 63.648(j)(4)(iv)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 63.644(a) § 63.644(a)(1)(i) § 63.644(d) § 63.644(e)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.644(a)(1)(i) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.644(d) § 63.655(d)(2) § 63.655(f) [G]§ 63.655(f)(3) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h) [G]§ 63.655(h)(10) [G]§ 63.655(h)(9)
GRPFUG-R5CC3G	EU	R5352ALL	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)	No flanges or other connectors contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(5) § 115.352(7) § 115.352(8) § 115.357(1) § 115.357(12) § 115.357(8)	allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-R5CC3G	EU	R5352ALL	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(8)	No flanges or other connectors contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5CC3G	EU	R5352ALL	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)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1)	No agitators contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background	[G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(8)	as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-R5CC3G	EU	R5352ALL	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)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(8)	No agitators contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5CC3G	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(8)	No compressor seals in hydrogen service with and the hydrogen content can be expected to always exceed 50.0% by volume shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5CC3G	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2)	No compressor seals that are equipped with a shaft sealing system that	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(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)
					§ 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		[G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-R5CC3G	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No compressor seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5CC3G	EU	R5352ALL	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)	No valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[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(12) § 115.357(8) § 115.357(9)	volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-R5CC3G	EU	R5352ALL	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(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5CC3G	EU	R5352ALL	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(8) § 115.357(9)	No valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5CC3G	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(C) § 115.352(1) § 115.352(2) § 115.352(2)(A)	If the owner or operator elects to use the alternative work practice in §115.358, no component shall be	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B)	§ 115.352(7) § 115.354(13)(D) § 115.354(13)(E) § 115.356	[G]§ 115.358(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)
					§ 115.352(2)(B) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8) § 115.358(c)(1) [G]§ 115.358(h)	allowed to have a VOC leak, detected as defined in §115.358, for more than 15 days after discovery. This includes any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) [G]§ 115.355 § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f)	[G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) [G]§ 115.356(4) § 115.356(5)	
GRPFUG-R5CC3G	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No pump seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5CC3G	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7)	No pump seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(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)
					§ 115.357(1) § 115.357(8)	as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-R5CC3G	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No pump seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5CC3G	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No compressor seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5CC3G	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that	None	§ 115.356 § 115.356(3) [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)
						meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.			
GRPFUG-R5CC3G	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5CC3G	EU	R5352ALL	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(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5CC3G	EU	R5352ALL	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(12)	No pressure relief valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[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) § 115.357(9)	million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-R5CC3G	EU	R5352ALL	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(8) § 115.357(9)	No pressure relief valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 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) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5CC3G	EU	R5352ALL	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(7)	No process drains contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5)	None
GRPFUG-R5CC3G	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2)	No process drains contacting a fluid with TVP less than or equal to 0.044	§ 115.354(1) § 115.354(5) § 115.354(6)	§ 115.352(7) § 115.356 [G]§ 115.356(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)
					§ 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(9) [G]§ 115.355 § 115.357(1)	[G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-R5CC3G	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Conservation vents or other devices on atmospheric storage tanks that are actuated either by a vacuum or a pressure of no more than 2.5 psig, pressure relief valves equipped with a rupture disk or venting to a control device, components in continuous vacuum service, and valves that are not externally regulated (such as in-line check valves) are exempt from the requirements of this division, except that each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5CC3G	EU	R5352ALL	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	None	§ 115.356 § 115.356(3) [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)
						20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.			
GRPFUG-R5CC3G	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5CC3G	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5CC3G	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-3(a) [G]§ 60.482-3(b) § 60.482-3(c) § 60.482-3(d) § 60.482-3(e)(1) § 60.482-3(e)(2) § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2)	Comply with the requirements as stated in §60.482-3 for compressors.	§ 60.482-3(e)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-3(h) [G]§ 60.482-3(i) § 60.482-3(j) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.592(d) § 60.592(e)				
GRPFUG-R5CC3G	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-4(a) § 60.482-4(b)(1) § 60.482-4(c) § 60.482-4(d)(1) § 60.482-4(d)(2) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements in as stated in §60.482-4 for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-R5CC3G	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-5(a) [G]§ 60.482-5(b) § 60.482-5(c) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements in as stated in §60.482-5 for sampling connection systems.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-R5CC3G	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-6(a)(1) § 60.482-6(a)(2)	Comply with the requirements in as stated in §60.482-6 for open-ended valves and lines.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-6(b) § 60.482-6(c) § 60.482-6(d) § 60.482-6(e) § 60.486(k) § 60.592(d) § 60.592(e)				
GRPFUG-R5CC3G	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements in as stated in §60.482-7 for valves in gas/vapor or light-liquid service.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.593(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-R5CC3G	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b)	Comply with the requirements in as stated in §60.482-8 for valves in heavy-liquid service.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.593(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(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)
					[G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k) § 60.592(d) § 60.592(e)				
GRPFUG-R5CC3G	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements in as stated in §60.482-8 for pumps in heavy-liquid service.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.593(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-R5CC3G	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements in as stated in §60.482-8 for pressure relief devices in light-liquid service.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.593(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
GRPFUG-R5CC3G	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements in as stated in §60.482-8 for flanges or other connectors.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-R5CC3G	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-10(f) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(i) [G]§ 60.482-10(j) [G]§ 60.482-10(k) § 60.482-10(m) § 60.592(d) § 60.592(e)	Comply with the requirements as stated in §60.482-10 for closed-vent systems.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-R5CC3G	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d)	Comply with the requirements as stated in §60.482-8 for pressure relief devices in heavy liquid service.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.593(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.592(d) § 60.592(e)				
GRPFUG-R5CC3G	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-10(d) § 60.482-10(m) § 60.486(k) § 60.592(d) § 60.592(e) [G]§ 63.670	Comply with the requirements as stated in §60.482-10 for flares.	§ 60.482-10(e) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) [G]§ 63.671	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-R5CC3G	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(d) § 60.486(k)	Comply with the requirements as stated in §60.482-1(d) for equipment in vacuum service.	None	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(6) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-R5CC3G	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h)	Comply with the requirements as stated in §60.482-2 for pumps in light-liquid service.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) [G]§ 60.482-2(a) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.593(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 60.592(d) § 60.592(e)				
GRPFUG-R5CC3G	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-3(a) [G]§ 60.482-3(b) § 60.482-3(c) § 60.482-3(d) § 60.482-3(e)(1) § 60.482-3(e)(2) § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) § 60.482-3(h) [G]§ 60.482-3(i) § 60.482-3(j) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.592(d) § 60.592(e) § 60.593(c)	Comply with the requirements as stated in §60.482-3 for reciprocating compressors that become subject under §60.14 and §60.15.	§ 60.482-3(e)(1) § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-R5CC3G	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-10(f) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(i) [G]§ 60.482-10(j)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(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)
					[G]§ 60.482-10(k) § 60.482-10(m) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)			§ 63.655(i) § 63.655(i)(6)	
GRPFUG-R5CC3G	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC3G	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)



**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
GRPFUG-R5CC3G	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC3G	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-	EU	63CCVV-	112(B)	40 CFR Part 63,	§ 63.648(a)	Comply with the specified	§ 60.482-1(f)(1)	§ 60.482-1(g)	§ 60.487(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)
R5CC3G		ALL	HAPS	Subpart CC	§ 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2) § 63.648(f)	40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	§ 60.482-1(f)(2) [G]§ 60.482-1(f)(3) [G]§ 60.482-2(a) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) § 60.486(f) [G]§ 60.486(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i) § 63.655(i)(6)	[G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC3G	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-6(a)(1) § 60.482-6(a)(2) § 60.482-6(b) § 60.482-6(c) § 60.482-6(d) § 60.482-6(e) § 60.486(k) § 63.642(b)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(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)
					§ 63.642(n) § 63.648(a)(2)				
GRPFUG-R5CC3G	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-5(a) [G]§ 60.482-5(b) § 60.482-5(c) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying with §60.482-5.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC3G	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-3(a) [G]§ 60.482-3(b) § 60.482-3(c) § 60.482-3(d) § 60.482-3(e)(1) § 60.482-3(e)(2) § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) § 60.482-3(h) [G]§ 60.482-3(i) § 60.482-3(j) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2) § 63.648(i)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3.	§ 60.482-3(e)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC3G	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g) § 63.642(b)	Compressors in hydrogen service are exempt from the	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3)	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)
					§ 63.642(n)	requirements of §63.648(a) and (c) if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).		§ 63.655(i)	
GRPFUG-R5CC3G	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d) § 60.486(k) § 63.642(b) § 63.642(n)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC3G	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC3G	EU	63CCVV-PRDGV01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.			
GRPFUG-R5CC3G	EU	63CCVV-PRDGV02	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(iv) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-R5CC3G	EU	63CCVV-PRDGV03	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(iv) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-R5CC3G	EU	63CCVV-PRDGV04	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) § 63.644(a)(2) [G]§ 63.648(j)(2) § 63.648(j)(4)(iv) § 63.670	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	§ 63.644(a) § 63.644(e) [G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(iv) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-	EU	63CCVV-	112(B)	40 CFR Part 63,	§ 63.648(j)(1)	Except during a pressure	[G]§ 63.648(j)(2)	§ 63.648(h)	§ 63.642(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
R5CC3G		PRDGV06	HAPS	Subpart CC	§ 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.		§ 63.655(i) § 63.655(i)(6)	§ 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-R5CC3G	EU	63CCVV-PRDGV07	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-R5CC3G	EU	63CCVV-PRDGV08	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) § 63.644(a)(2) [G]§ 63.648(j)(2) § 63.648(j)(4)(iv) § 63.670	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	§ 63.644(a) § 63.644(e) [G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-R5CC3G	EU	63CCVV-PRDGV10	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2) [G]§ 63.648(j)(3)(ii) [G]§ 63.648(j)(3)(v) [G]§ 63.648(j)(6) [G]§ 63.648(j)(7)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix	[G]§ 63.648(j)(2) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) § 63.648(j)(3)(iii) § 63.648(j)(3)(iv)	§ 63.648(h) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(i) § 63.655(i)(11)(ii) [G]§ 63.655(i)(11)(iii) § 63.655(i)(6)	§ 63.642(f) § 63.648(j)(3)(iii) § 63.655(f) [G]§ 63.655(f)(1)(vii) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						A-7.			
GRPFUG-R5CC3G	EU	63CCVV-PRDGV13	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(4)(iv) § 63.642(b) § 63.642(n) § 63.644(a)(2) § 63.670	For each pressure relief device in organic HAP gas or vapor service routed to a control device, both the closed vent system and control device (if applicable) referenced in §63.648(j)(4)(i)-(iii) must meet the requirements of §63.644. When complying with this §63.648(j)(4), all references to 'Group 1 miscellaneous process vent' in §63.644 mean 'pressure relief device.'	§ 63.644(a) § 63.644(e)	§ 63.648(h) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-R5CC3G	EU	63CCVV-PRDLL01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC3G	EU	63CCVV-PRDLL02	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.648(j)(3)(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)
					§ 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2) [G]§ 63.648(j)(3)(ii) [G]§ 63.648(j)(3)(v) [G]§ 63.648(j)(6) [G]§ 63.648(j)(7)		[G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) § 63.648(j)(3)(iii) § 63.648(j)(3)(iv)	§ 60.486(j) § 63.648(h) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(i) § 63.655(i)(11)(ii) [G]§ 63.655(i)(11)(iii) § 63.655(i)(6)	§ 63.655(d)(2) § 63.655(f) [G]§ 63.655(f)(1)(vii) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14)
GRPFUG-R5CC3G	EU	63CCVV-PRDLL03	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5CC3G	EU	63CCVV-PRDLL04	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(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)
					§ 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)			§ 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	
GRPFUG-R5CC3G	EU	63CCVV-PRDLL05	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.644(a)(2) § 63.648(a)(2) § 63.648(j)(4)(iv) § 63.670	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 63.644(a) § 63.644(e)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-R5GGG	EU	R5352ALL	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 valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[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) § 115.357(9)	the dripping or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-R5GGG	EU	R5352ALL	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(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5GGG	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No pump seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5GGG	EU	R5352ALL	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)	No pump seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3)	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)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355 § 115.357(1)	[G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-R5GGG	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No pump seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5GGG	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12)	No compressor seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(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)
					§ 115.357(8)	or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-R5GGG	EU	R5352ALL	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(8) § 115.357(9)	No pressure relief valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 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) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5GGG	EU	R5352ALL	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(7)	No process drains contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5)	None
GRPFUG-R5GGG	EU	R5352ALL	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)	No process drains contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3)	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(7) § 115.357(1)	VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.357(1)	§ 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-R5GGG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Conservation vents or other devices on atmospheric storage tanks that are actuated either by a vacuum or a pressure of no more than 2.5 psig, pressure relief valves equipped with a rupture disk or venting to a control device, components in continuous vacuum service, and valves that are not externally regulated (such as in-line check valves) are exempt from the requirements of this division, except that each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5GGG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight are exempt	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						from the requirements of this division except §115.356(3)(C) of this title.			
GRPFUG-R5GGG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5GGG	EU	R5352ALL	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	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5GGG	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No compressor seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPFUG-R5GGG	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5GGG	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(8)	No compressor seals in hydrogen service with and the hydrogen content can be expected to always exceed 50.0% by volume shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5GGG	EU	R5352ALL	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)	No pressure relief valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3)	[G]§ 115.354(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(5) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8) § 115.357(9)	than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-R5GGG	EU	R5352ALL	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(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5GGG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5GGG	EU	R5352ALL	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	None	§ 115.356 § 115.356(3) [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)
						this division except §115.356(3)(C) of this title.			
GRPFUG-R5GGG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(C) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8) § 115.358(c)(1) [G]§ 115.358(h)	If the owner or operator elects to use the alternative work practice in §115.358, no component shall be allowed to have a VOC leak, detected as defined in §115.358, for more than 15 days after discovery. This includes any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) [G]§ 115.355 § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f)	§ 115.352(7) § 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) [G]§ 115.356(4) § 115.356(5)	[G]§ 115.358(g)
GRPFUG-R5GGG	EU	R5352ALL	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(8) § 115.357(9)	No valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5GGG	EU	R5352ALL	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)	No flanges or other connectors contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3)	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(7) § 115.352(8) § 115.357(1) § 115.357(12) § 115.357(8)	allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-R5GGG	EU	R5352ALL	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(8)	No flanges or other connectors contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5GGG	EU	R5352ALL	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)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1)	No agitators contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background	[G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(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)
					§ 115.357(8)	as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-R5GGG	EU	R5352ALL	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)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(8)	No agitators contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5GGG	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements as stated in §60.482-8 for pressure relief devices in heavy liquid service.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.593(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-R5GGG	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g)	Comply with the requirements as stated in §60.482-2 for pumps in light-liquid service.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) [G]§ 60.482-2(a)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(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)
					[G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 60.592(d) § 60.592(e)		[G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.593(d)	§ 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(h) § 60.486(j)	
GRPFUG-R5GGG	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements in as stated in §60.482-8 for flanges or other connectors.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-R5GGG	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a)	Comply with the requirements in as stated in	§ 60.482-8(a)(1) § 60.485(a)	§ 60.482-1(g) [G]§ 60.486(a)	§ 60.487(a) [G]§ 60.487(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)
					§ 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.592(d) § 60.592(e)	§60.482-8 for pressure relief devices in light-liquid service.	[G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.593(d)	[G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	[G]§ 60.487(c) § 60.487(e)
GRPFUG-R5GGG	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements in as stated in §60.482-8 for pumps in heavy-liquid service.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.593(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-R5GGG	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1)	Comply with the requirements in as stated in §60.482-8 for valves in heavy-liquid service.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.593(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k) § 60.592(d) § 60.592(e)				
GRPFUG-R5GGG	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-7(b) § 60.482-7(d)(1) § 60.482-7(d)(2) [G]§ 60.482-7(e) [G]§ 60.482-7(f) [G]§ 60.482-7(g) [G]§ 60.482-7(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(c) § 60.482-9(e) § 60.482-9(f) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements in as stated in §60.482-7 for valves in gas/vapor or light-liquid service.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) § 60.482-7(a)(1) [G]§ 60.482-7(a)(2) § 60.482-7(c)(1)(i) § 60.482-7(c)(1)(ii) § 60.482-7(c)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.593(d)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-R5GGG	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-6(a)(1) § 60.482-6(a)(2) § 60.482-6(b) § 60.482-6(c) § 60.482-6(d)	Comply with the requirements in as stated in §60.482-6 for open-ended valves and lines.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-6(e) § 60.486(k) § 60.592(d) § 60.592(e)				
GRPFUG-R5GGG	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-5(a) [G]§ 60.482-5(b) § 60.482-5(c) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements in as stated in §60.482-5 for sampling connection systems.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-R5GGG	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-4(a) § 60.482-4(b)(1) § 60.482-4(c) § 60.482-4(d)(1) § 60.482-4(d)(2) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.592(d) § 60.592(e)	Comply with the requirements in as stated in §60.482-4 for pressure relief devices in gas/vapor service.	§ 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-R5GGG	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-3(a) [G]§ 60.482-3(b) § 60.482-3(c) § 60.482-3(d) § 60.482-3(e)(1) § 60.482-3(e)(2)	Comply with the requirements as stated in §60.482-3 for compressors.	§ 60.482-3(e)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) § 60.482-3(h) [G]§ 60.482-3(i) § 60.482-3(j) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.592(d) § 60.592(e)				
GRPFUG-R5GGG	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(d) § 60.486(k)	Comply with the requirements as stated in §60.482-1(d) for equipment in vacuum service.	None	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(6) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-R5GGG	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-10(d) § 60.482-10(m) § 60.486(k) § 60.592(d) § 60.592(e) [G]§ 63.670	Comply with the requirements as stated in §60.482-10 for flares.	§ 60.482-10(e) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) [G]§ 63.671	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-R5GGG	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-3(a) [G]§ 60.482-3(b) § 60.482-3(c) § 60.482-3(d) § 60.482-3(e)(1) § 60.482-3(e)(2) § 60.482-3(f) § 60.482-3(g)(1)	Comply with the requirements as stated in §60.482-3 for reciprocating compressors that become subject under §60.14 and §60.15.	§ 60.482-3(e)(1) § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)



**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-3(g)(2) § 60.482-3(h) [G]§ 60.482-3(i) § 60.482-3(j) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 60.592(d) § 60.592(e) § 60.593(c)				
GRPFUG-R5GGG	EU	60GGG-ALL	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) [G]§ 60.482-10(f) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(i) [G]§ 60.482-10(j) [G]§ 60.482-10(k) § 60.482-10(m) § 60.592(d) § 60.592(e)	Comply with the requirements as stated in §60.482-10 for closed-vent systems.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPFUG-R5GGGA	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(C) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8) § 115.358(c)(1) [G]§ 115.358(h)	If the owner or operator elects to use the alternative work practice in §115.358, no component shall be allowed to have a VOC leak, detected as defined in §115.358, for more than 15 days after discovery. This includes any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) [G]§ 115.355 § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e)	§ 115.352(7) § 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) [G]§ 115.356(4) § 115.356(5)	[G]§ 115.358(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)
						monitoring.	§ 115.358(f)		
GRPFUG-R5GGGA	EU	R5352ALL	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(8) § 115.357(9)	No valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5GGGA	EU	R5352ALL	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(12) § 115.357(8) § 115.357(9)	No pressure relief valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5GGGA	EU	R5352ALL	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 open-ended valves or lines contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C)	[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(1) § 115.357(8) § 115.357(9)	screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		§ 115.356(5)	
GRPFUG-R5GGGA	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5GGGA	EU	R5352ALL	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	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5GGGA	EU	R5352ALL	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) § 115.352(12) § 115.357(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[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)
GRPFUG-R5GGGA	EU	R5352ALL	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(8) § 115.357(9)	No valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5GGGA	EU	R5352ALL	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(12) § 115.357(8)	No flanges or other connectors contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5GGGA	EU	R5352ALL	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 flanges or other connectors contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(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)
					§ 115.352(8) § 115.357(12) § 115.357(8)	after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-R5GGGA	EU	R5352ALL	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)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1) § 115.357(8)	No agitators contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5GGGA	EU	R5352ALL	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)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(8)	No agitators contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(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)
						sound.			
GRPFUG-R5GGGA	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(8)	No compressor seals in hydrogen service with and the hydrogen content can be expected to always exceed 50.0% by volume shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5GGGA	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5GGGA	EU	R5352ALL	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)	No compressor seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3)	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)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355 § 115.357(1)	§ 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-R5GGGA	EU	R5352ALL	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	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5GGGA	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5GGGA	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight are exempt	None	§ 115.356 § 115.356(3) [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)
						from the requirements of this division except §115.356(3)(C) of this title.			
GRPFUG-R5GGGA	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Conservation vents or other devices on atmospheric storage tanks that are actuated either by a vacuum or a pressure of no more than 2.5 psig, pressure relief valves equipped with a rupture disk or venting to a control device, components in continuous vacuum service, and valves that are not externally regulated (such as in-line check valves) are exempt from the requirements of this division, except that each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5GGGA	EU	R5352ALL	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(7) § 115.357(1)	No process drains contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(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)
GRPFUG-R5GGGA	EU	R5352ALL	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(7)	No process drains contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5)	None
GRPFUG-R5GGGA	EU	R5352ALL	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(8) § 115.357(9)	No pressure relief valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 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) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5GGGA	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii)	No compressor seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B)	None

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		[G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-R5GGGA	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No pump seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5GGGA	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No pump seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(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)
GRPFUG-R5GGGA	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No pump seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.593a(g) § 60.482-11a(b)(2) § 60.482-11a(b)(3) § 60.482-11a(d) [G]§ 60.482-11a(e) [G]§ 60.482-11a(f)(1) § 60.482-11a(f)(2) § 60.482-11a(g) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(c) § 60.482-9a(f) § 60.485a(b) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Connectors in gas/vapor or light liquid service are exempt from the requirements in §60.482-11a, provided the owner or operator complies with §60.482-8a for all connectors, not just those in heavy liquid service.	§ 60.482-11a(a) § 60.482-11a(b) § 60.482-11a(b)(1) § 60.482-11a(b)(3) § 60.482-11a(b)(3)(i) § 60.482-11a(b)(3)(ii) [G]§ 60.482-11a(b)(3)(iii) § 60.482-11a(b)(3)(iv) § 60.482-11a(c) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-11a(b)(3)(v) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8) § 60.486a(e)(9) § 60.486a(f) § 60.486a(f)(1)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(5) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(i) § 60.487a(c)(2)(vii) § 60.487a(c)(2)(viii) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRPFUG-R5GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b)	Comply with the requirements as stated in §60.482-1a(d) for	[G]§ 60.485a(b)(1) § 60.485a(b)(2)	§ 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(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)
					§ 60.482-1a(d) § 60.485a(b) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	equipment in vacuum service.		§ 60.486a(e)(5)	
GRPFUG-R5GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-2a(b)(1) § 60.482-2a(b)(2) § 60.482-2a(b)(2)(ii) § 60.482-2a(c)(1) [G]§ 60.482-2a(c)(2) § 60.482-2a(d) [G]§ 60.482-2a(d)(1) § 60.482-2a(d)(2) § 60.482-2a(d)(3) [G]§ 60.482-2a(d)(6) [G]§ 60.482-2a(e) § 60.482-2a(f) [G]§ 60.482-2a(g) § 60.482-2a(h) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(d) § 60.482-9a(f) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2)	Comply with the requirements as stated in §60.482-2a for pumps in light liquid service.	§ 60.482-1a(f)(1) § 60.482-1a(f)(2) [G]§ 60.482-1a(f)(3) § 60.482-1a(g) § 60.482-2a(a)(1) § 60.482-2a(a)(2) § 60.482-2a(b)(2)(i) [G]§ 60.482-2a(d)(4) [G]§ 60.482-2a(d)(5) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) § 60.486a(e)(7) [G]§ 60.486a(e)(8) § 60.486a(f) § 60.486a(f)(1) [G]§ 60.486a(h)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(3) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(iii) § 60.487a(c)(2)(iv) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.486a(k) § 60.592a(d) § 60.592a(e)				
GRPFUG-R5GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-2a(c)(2) [G]§ 60.482-7a(e) § 60.482-8a(a) § 60.482-8a(a)(2) § 60.482-8a(b) [G]§ 60.482-8a(c) § 60.482-8a(d) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(d) § 60.482-9a(f) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-8a for pumps in heavy liquid service.	§ 60.482-1a(g) § 60.482-8a(a)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRPFUG-R5GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.593a(b)(1)	Compressors in hydrogen service are exempt from the requirements of §60.592a if an owner or operator demonstrates that a compressor is in hydrogen service.	§ 60.593a(b)(2) [G]§ 60.593a(b)(3)	None	None
GRPFUG-R5GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-3a(a)	Comply with the requirements as stated in §60.482-3a for reciprocating compressors that become subject under §60.14 and	§ 60.482-1a(g) § 60.482-3a(e)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(4) § 60.487a(c)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-3a(b) § 60.482-3a(c) § 60.482-3a(d) § 60.482-3a(e)(2) § 60.482-3a(f) [G]§ 60.482-3a(g) § 60.482-3a(h) [G]§ 60.482-3a(i) § 60.482-3a(j) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e) § 60.593a(c)	§60.15.	§ 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d) § 60.593a(d)	§ 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) [G]§ 60.486a(e)(8) [G]§ 60.486a(h)	§ 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(v) § 60.487a(c)(2)(vi) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRPFUG-R5GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-3a(a) [G]§ 60.482-3a(b) § 60.482-3a(c) § 60.482-3a(d) § 60.482-3a(e)(2) § 60.482-3a(f) [G]§ 60.482-3a(g) § 60.482-3a(h) [G]§ 60.482-3a(i) § 60.482-3a(j) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.485a(c)	Comply with the requirements as stated in §60.482-3a for compressors.	§ 60.482-1a(g) § 60.482-3a(e)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) [G]§ 60.486a(e)(8) [G]§ 60.486a(h)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(4) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(v) § 60.487a(c)(2)(vi) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)				
GRPFUG-R5GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-4a(a) § 60.482-4a(b)(1) § 60.482-4a(b)(2) § 60.482-4a(c) § 60.482-4a(d)(1) § 60.482-4a(d)(2) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-4a for pressure relief devices in gas/vapor service.	§ 60.482-1a(g) § 60.482-4a(b)(2) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) § 60.486a(e)(10) § 60.486a(e)(3) [G]§ 60.486a(e)(4) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRPFUG-R5GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-2a(c)(2) [G]§ 60.482-7a(e) § 60.482-8a(a) § 60.482-8a(a)(2) § 60.482-8a(b)	Comply with the requirements as stated in §60.482-8a for pressure relief devices in light liquid service.	§ 60.482-1a(g) § 60.482-8a(a)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) § 60.485a(e) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-8a(c) § 60.482-8a(d) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)				
GRPFUG-R5GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-5a(a) [G]§ 60.482-5a(b) § 60.482-5a(c) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-5a for sampling connection systems.	§ 60.482-1a(g) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRPFUG-R5GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.593a(f) § 60.482-1a(a) § 60.482-1a(g)	Open-ended valves or lines containing asphalt as defined in (§60.591a are exempt from the requirements of §60.482-6a(a) through (c).	§ 60.482-1a(g) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d)	§ 60.482-1a(g) § 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRPFUG-R5GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b)	Comply with the requirements as stated in §60.482-6a for open-ended	§ 60.482-1a(g) § 60.485a(a) [G]§ 60.485a(b)(1)	§ 60.482-1a(g) § 60.485a(b)(2) § 60.486a(e)	§ 60.487a(a) § 60.487a(b) § 60.487a(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)
					§ 60.482-1a(g) § 60.482-6a(a)(1) § 60.482-6a(a)(2) § 60.482-6a(b) § 60.482-6a(c) § 60.482-6a(d) § 60.482-6a(e) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	valves and lines.	§ 60.485a(b)(2) [G]§ 60.485a(d) § 60.593a(d)	§ 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRPFUG-R5GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-7a(a)(1) § 60.482-7a(b) [G]§ 60.482-7a(d) [G]§ 60.482-7a(e) [G]§ 60.482-7a(f) [G]§ 60.482-7a(g) [G]§ 60.482-7a(h) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(c) § 60.482-9a(e) § 60.482-9a(f) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-7a for valves in gas/vapor or light liquid service.	§ 60.482-1a(f)(1) § 60.482-1a(f)(2) [G]§ 60.482-1a(f)(3) § 60.482-1a(g) § 60.482-7a(a)(1) [G]§ 60.482-7a(a)(2) [G]§ 60.482-7a(c) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) [G]§ 60.486a(e)(8) § 60.486a(f) § 60.486a(f)(1) § 60.486a(f)(2)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(2) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(i) § 60.487a(c)(2)(ii) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPFUG-R5GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-2a(c)(2) [G]§ 60.482-7a(e) § 60.482-8a(a) § 60.482-8a(a)(2) § 60.482-8a(b) [G]§ 60.482-8a(c) § 60.482-8a(d) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(c) § 60.482-9a(e) § 60.482-9a(f) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-8a for valves in heavy liquid service.	§ 60.482-1a(g) § 60.482-8a(a)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRPFUG-R5GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-2a(c)(2) [G]§ 60.482-7a(e) § 60.482-8a(a) § 60.482-8a(a)(2) § 60.482-8a(b) [G]§ 60.482-8a(c) § 60.482-8a(d) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(c)	Comply with the requirements as stated in §60.482-8a for connectors in heavy liquid service.	§ 60.482-1a(g) § 60.482-8a(a)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-9a(f) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)				
GRPFUG-R5GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-2a(c)(2) [G]§ 60.482-7a(e) § 60.482-8a(a) § 60.482-8a(a)(2) § 60.482-8a(b) [G]§ 60.482-8a(c) § 60.482-8a(d) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-8a for pressure relief devices in heavy liquid service.	§ 60.482-1a(g) § 60.482-8a(a)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRPFUG-R5GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-10a(a) [G]§ 60.482-10a(f) [G]§ 60.482-10a(g) § 60.482-10a(h) § 60.482-10a(i) [G]§ 60.482-10a(j) [G]§ 60.482-10a(k) § 60.482-10a(m)	Comply with the requirements as stated in §60.482-10a for closed-vent systems.	§ 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) § 60.593a(d)	[G]§ 60.482-10a(l) § 60.485a(b)(2) [G]§ 60.486a(d) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.485a(b) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)				§ 60.487a(e)
GRPFUG-R5GGGA	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-10a(a) § 60.482-10a(d) § 60.482-10a(m) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e) [G]§ 63.670	Comply with the requirements as stated in §60.482-10a for flares.	§ 60.482-10a(e) § 60.482-1a(g) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d) [G]§ 60.485a(g) § 60.593a(d) [G]§ 63.671	§ 60.482-1a(g) § 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
GRPFUG-R5GGGA	EU	63CCVV-PRDGV01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-R5GGGA	EU	63CCVV-PRDGV02	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(iv) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.			
GRPFUG-R5GGGA	EU	63CCVV-PRDGV03	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(iv) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-R5GGGA	EU	63CCVV-PRDGV04	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) § 63.644(a)(2) [G]§ 63.648(j)(2) § 63.648(j)(4)(iv) § 63.670	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	§ 63.644(a) § 63.644(e) [G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(iv) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-R5GGGA	EU	63CCVV-PRDGV06	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) § 63.655(i)(6)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(10)
GRPFUG-R5GGGA	EU	63CCVV-PRDGV07	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b)	Except during a pressure release, operate each	[G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i)	§ 63.642(f) § 63.655(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.642(n) [G]§ 63.648(j)(2)	pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.		§ 63.655(i)(6)	[G]§ 63.655(g)(10)
GRPFUG-R5GGGA	EU	63CCVV-PRDGV08	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) § 63.644(a)(2) [G]§ 63.648(j)(2) § 63.648(j)(4)(iv) § 63.670	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	§ 63.644(a) § 63.644(e) [G]§ 63.648(j)(2)	§ 63.648(h) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-R5GGGA	EU	63CCVV-PRDGV10	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(1) § 63.642(b) § 63.642(n) [G]§ 63.648(j)(2) [G]§ 63.648(j)(3)(ii) [G]§ 63.648(j)(3)(v) [G]§ 63.648(j)(6) [G]§ 63.648(j)(7)	Except during a pressure release, operate each pressure relief device in organic HAP gas or vapor service with an instrument reading of less than 500 ppm above background as detected by Method 21 of 40 CFR part 60, appendix A-7.	[G]§ 63.648(j)(2) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) § 63.648(j)(3)(iii) § 63.648(j)(3)(iv)	§ 63.648(h) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(i) § 63.655(i)(11)(ii) [G]§ 63.655(i)(11)(iii) § 63.655(i)(6)	§ 63.642(f) § 63.648(j)(3)(iii) § 63.655(f) [G]§ 63.655(f)(1)(vii) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14)
GRPFUG-R5GGGA	EU	63CCVV-PRDGV13	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(j)(4)(iv) § 63.642(b) § 63.642(n) § 63.644(a)(2) § 63.670	For each pressure relief device in organic HAP gas or vapor service routed to a control device, both the closed vent system and control device (if applicable) referenced in §63.648(j)(4)(i)-(iii) must meet the requirements of §63.644. When complying	§ 63.644(a) § 63.644(e)	§ 63.648(h) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 63.642(f) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						with this §63.648(j)(4), all references to 'Group 1 miscellaneous process vent' in §63.644 mean 'pressure relief device.'			
GRPFUG-R5GGGA	EU	63CCVV-PRDLL01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5GGGA	EU	63CCVV-PRDLL02	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2) [G]§ 63.648(j)(3)(ii)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) § 63.648(j)(3)(iii) § 63.648(j)(3)(iv)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) [G]§ 63.648(j)(3)(i) [G]§ 63.648(j)(3)(ii) [G]§ 63.648(j)(3)(ii) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(11) § 63.655(i)(11)(i) § 63.655(i)(11)(ii) [G]§ 63.655(i)(11)(iii) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.648(j)(3)(iii) § 63.655(d)(2) § 63.655(f) [G]§ 63.655(f)(1)(vii) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual 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]§ 63.648(j)(3)(v) [G]§ 63.648(j)(6) [G]§ 63.648(j)(7)				
GRPFUG-R5GGGA	EU	63CCVV-PRDLL03	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5GGGA	EU	63CCVV-PRDLL04	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
GRPFUG-R5GGGA	EU	63CCVV-PRDLL05	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(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)
					§ 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.644(a)(2) § 63.648(a)(2) § 63.648(j)(4)(iv) § 63.670	pressure relief devices in light liquid service complying with §60.482-8.	[G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 63.644(a) § 63.644(e)	[G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) [G]§ 63.655(i)(3) § 63.655(i)(6)	§ 60.487(e) § 63.642(f) § 63.655(d)(2) § 63.655(f) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(10) § 63.655(g)(14) § 63.655(g)(6) § 63.655(h)
GRPFUG-R5H	EU	R5352ALL	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(12) § 115.357(8) § 115.357(9)	No pressure relief valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5H	EU	R5352ALL	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 valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B)	[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(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(8) § 115.357(9)	screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.357(1)	[G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-R5H	EU	R5352ALL	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(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5H	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(C) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8) § 115.358(c)(1) [G]§ 115.358(h)	If the owner or operator elects to use the alternative work practice in §115.358, no component shall be allowed to have a VOC leak, detected as defined in §115.358, for more than 15 days after discovery. This includes any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) [G]§ 115.355 § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f)	§ 115.352(7) § 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) [G]§ 115.356(4) § 115.356(5)	[G]§ 115.358(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)
GRPFUG-R5H	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No pump seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5H	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No pump seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5H	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii)	No pump seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(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)
					§ 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-R5H	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No compressor seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5H	EU	R5352ALL	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(8) § 115.357(9)	No pressure relief valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 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) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[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)
GRPFUG-R5H	EU	R5352ALL	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(7)	No process drains contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5)	None
GRPFUG-R5H	EU	R5352ALL	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(7) § 115.357(1)	No process drains contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5H	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Conservation vents or other devices on atmospheric storage tanks that are actuated either by a vacuum or a pressure of no more than 2.5 psig, pressure relief valves equipped with a rupture disk or venting to a	None	§ 115.356 § 115.356(3) [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)
						control device, components in continuous vacuum service, and valves that are not externally regulated (such as in-line check valves) are exempt from the requirements of this division, except that each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.			
GRPFUG-R5H	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5H	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5H	EU	R5352ALL	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	None	§ 115.356 § 115.356(3) [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)
						§63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.			
GRPFUG-R5H	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No compressor seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5H	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5H	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery	§ 115.352(1)(B) § 115.352(1)	No compressor seals in hydrogen service with and	[G]§ 115.355	§ 115.352(7) § 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) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(8)	the hydrogen content can be expected to always exceed 50.0% by volume shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		[G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-R5H	EU	R5352ALL	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)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(8)	No agitators contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5H	EU	R5352ALL	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)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3)	No agitators contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than	[G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(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)
					§ 115.352(7) § 115.357(1) § 115.357(8)	500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-R5H	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5H	EU	R5352ALL	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	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5H	EU	R5352ALL	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(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[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)
GRPFUG-R5H	EU	R5352ALL	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(8) § 115.357(9)	No valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5H	EU	R5352ALL	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(12) § 115.357(8)	No flanges or other connectors contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5H	EU	R5352ALL	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 flanges or other connectors contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(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)
					§ 115.352(8) § 115.357(12) § 115.357(8)	after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-R5H	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Agitators in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-R5H	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.170 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Surge control vessels and bottom receivers.	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-R5H	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Valves in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-R5H	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pumps in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(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)
GRPFUG-R5H	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.166 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Sampling connection systems. §63.166(a)-(c)	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-R5H	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.165 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pressure relief device in gas/vapor service. §63.165(a)-(d)	[G]§ 63.165 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(f)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-R5H	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.164 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Compressors. §63.164(a)-(i)	[G]§ 63.164 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(f)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-R5H	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.162(e) § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h)	Equipment that is in organic HAP service less than 300 hours per year is excluded from the requirements of §§63.163 - 63.174 and §63.178 if it is identified as required in §63.181(j).	[G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i) § 63.181(j)	[G]§ 63.182(a) [G]§ 63.182(b)
GRPFUG-R5H	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pressure relief devices in liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-R5H	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c)	Standards: Instrumentation systems. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171			[G]§ 63.181(d)	[G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-R5H	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.168 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.175	Standards: Valves in gas/vapor service and in light liquid service. §63.168(a)-(j)	[G]§ 63.168 [G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 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)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-R5H	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.167 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.175	Standards: Open-ended valves or lines. §63.167(a)-(e).	[G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) § 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) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-R5H	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.163 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.176	Standards: Pumps in light liquid service. §63.163(a)-(j)	[G]§ 63.163 [G]§ 63.176 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(3) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) § 63.181(h)(8)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
GRPFUG-R5H	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.172(a) [G]§ 63.172(h) § 63.172(i) § 63.172(j)(1) § 63.172(j)(2) § 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).	[G]§ 63.172(f)(1) [G]§ 63.172(f)(2) § 63.172(g) [G]§ 63.172(h) § 63.172(j)(1) § 63.172(j)(2) [G]§ 63.172(k) [G]§ 63.172(l) [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.118(a)(3) § 63.172(j)(1) [G]§ 63.172(k) [G]§ 63.172(l) § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-R5H	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.174 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in gas/vapor service and in light liquid service. §63.174(a)-(j)	[G]§ 63.174 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-R5H	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.173 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Agitators gas/vapor service and in light liquid service. §63.173(a)-(j).	[G]§ 63.173 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-R5H	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.172(d) § 63.172(e) [G]§ 63.172(h) § 63.172(m) [G]§ 63.670	Flares used to comply with this subpart shall comply with the requirements of § 63.11(b) of 40 CFR 63, Subpart A.	§ 63.172(e) [G]§ 63.172(h) [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.180(e) [G]§ 63.671	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 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]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(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)
GRPFUG-R5H	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUG-R5QQQ	EU	R5352ALL	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(8) § 115.357(9)	No pressure relief valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 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) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5QQQ	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(C) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8) § 115.358(c)(1) [G]§ 115.358(h)	If the owner or operator elects to use the alternative work practice in §115.358, no component shall be allowed to have a VOC leak, detected as defined in §115.358, for more than 15 days after discovery. This includes any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) [G]§ 115.355 § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f)	§ 115.352(7) § 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) [G]§ 115.356(4) § 115.356(5)	[G]§ 115.358(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)
GRPFUG-R5QQQ	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5QQQ	EU	R5352ALL	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	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5QQQ	EU	R5352ALL	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(8) § 115.357(9)	No valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5QQQ	EU	R5352ALL	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 open-ended valves or lines contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C)	[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(1) § 115.357(8) § 115.357(9)	screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		§ 115.356(5)	
GRPFUG-R5QQQ	EU	R5352ALL	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(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-R5QQQ	EU	R5352ALL	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(8) § 115.357(9)	No valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUG-	EU	R5352ALL	VOC	30 TAC Chapter	§ 115.352(1)(A)	No flanges or other	§ 115.354(1)	§ 115.352(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)
R5QQQ				115, Pet. Refinery & Petrochemicals	§ 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(12) § 115.357(8)	connectors contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-R5QQQ	EU	R5352ALL	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(8)	No flanges or other connectors contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5QQQ	EU	R5352ALL	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)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii)	No agitators contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which	[G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B)	None

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1) § 115.357(8)	exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		[G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-R5QQQ	EU	R5352ALL	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)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(8)	No agitators contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5QQQ	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(8)	No compressor seals in hydrogen service with and the hydrogen content can be expected to always exceed 50.0% by volume shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(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)
						sound.			
GRPFUG-R5QQQ	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5QQQ	EU	R5352ALL	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	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5QQQ	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [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)
GRPFUG-R5QQQ	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5QQQ	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Conservation vents or other devices on atmospheric storage tanks that are actuated either by a vacuum or a pressure of no more than 2.5 psig, pressure relief valves equipped with a rupture disk or venting to a control device, components in continuous vacuum service, and valves that are not externally regulated (such as in-line check valves) are exempt from the requirements of this division, except that each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUG-R5QQQ	EU	R5352ALL	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(7) § 115.357(1)	No process drains contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(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)
						exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		[G]§ 115.356(3)(C) § 115.356(5)	
GRPFUG-R5QQQ	EU	R5352ALL	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(7)	No process drains contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5)	None
GRPFUG-R5QQQ	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No compressor seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(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)
GRPFUG-R5QQQ	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No compressor seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5QQQ	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No pump seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5QQQ	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii)	No pump seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(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)
					§ 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
GRPFUG-R5QQQ	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No pump seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUG-R5QQQ	EU	R5352ALL	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(12) § 115.357(8) § 115.357(9)	No pressure relief valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[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)
GRPHEAT1	EU	60J-1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
GRPHEAT1	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
GRPHEAT2	EU	R117-2	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%	[G]§ 117.135(a)(1) § 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)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(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)
						oxygen, dry basis, except as provided in § 117.125 or § 117.110(c)(3).	§ 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary		§ 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)
GRPHEAT2	EU	R117-2	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.115(a) § 117.115(b) § 117.115(b)(2) § 117.115(f) § 117.115(f)(1) § 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.	[G]§ 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) § 117.8000(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)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)
GRPHEAT2	EU	60J-1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(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)
						process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).			
GRPHEAT2	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
GRPHEAT3 A	EU	R117-4	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 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).	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(3) § 117.135(g) § 117.140(a) § 117.140(b)(1) § 117.140(b)(3) § 117.140(d) § 117.140(e) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(7) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	§ 117.135(b) § 117.135(g) [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)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual 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) § 117.8100(a)(1)(B)(ii) ) § 117.8100(a)(1)(B)(iii) ) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8120 § 117.8120(1) § 117.8120(1)(A)		§ 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
GRPHEAT3 A	EU	R117-4	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.115(a) § 117.115(b) [G]§ 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)	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	[G]§ 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(b)(1) § 117.140(b)(3) § 117.140(c)(1) [G]§ 117.140(c)(3) § 117.140(e) § 117.8100(a) § 117.8100(a)(1)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	§ 117.135(b) § 117.135(g) [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) § 117.8010(2)(C) § 117.8010(2)(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)
						defined in § 117.10 of this title.	§ 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) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)		[G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
GRPHEAT3 A	EU	60J-1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
GRPHEAT3 A	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1)	A new or existing boiler or process heater without a continuous oxygen trim	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(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)
					§ 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	§ 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
GRPHEAT3 B	EU	R117-3	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 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).	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(3) § 117.135(g) § 117.140(a) § 117.140(b)(1) § 117.140(b)(3) § 117.140(d) § 117.140(e) § 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) [G]§ 117.8100(a)(3) § 117.8100(a)(4)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(7) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	§ 117.135(b) § 117.135(g) [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) § 117.8100(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)
							§ 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) § 117.8120 § 117.8120(1) § 117.8120(1)(A)		
GRPHEAT3 B	EU	R117-3	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.115(a) § 117.115(b) [G]§ 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)	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.	[G]§ 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(b)(1) § 117.140(b)(3) § 117.140(c)(1) [G]§ 117.140(c)(3) § 117.140(e) § 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) [G]§ 117.8100(a)(3) § 117.8100(a)(4)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	§ 117.135(b) § 117.135(g) [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) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(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)
							§ 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)		
GRPHEAT3 B	EU	60J-1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
GRPHEAT3 B	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 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)
						regulated emissions.			
GRPHEAT5	EU	R117-5	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).	[G]§ 117.135(a)(1) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(a) § 117.140(b)(1) § 117.140(b)(3) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) ** See Periodic Monitoring Summary	§ 117.145(a) § 117.145(f) § 117.145(f)(1) § 117.145(f)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [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)
GRPHEAT5	EU	R117-5	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.115(a) § 117.115(b) § 117.115(b)(2) § 117.115(f) § 117.115(f)(1) § 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	[G]§ 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(b)(1) § 117.140(b)(3) § 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)(9)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [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)
						title.			
GRPHEAT5	EU	60J-1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
GRPHEAT5	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
GRPHONTK 1	EU	R115-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D)	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	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.112(a)(2)(E) § 115.114(a)(1)(A)	Table II(a).			
GRPHONTK 1	EU	63G-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(ii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(2)(i) § 63.120(a)(2)(ii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
GRPHONTK 2	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
GRPHONTK 2	EU	63G-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(a)(3)	Group 2 tanks not using emissions averaging as prescribed by §63.150 shall use record keeping methods in §63.123(a). Not required to comply with §63.119 to §63.123.	None	§ 63.123(a)	§ 63.152(c)(4)(iii)
GRPHONTK 4	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						requirements of this division.			
GRPHONTK 4	EU	63G-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(a)(3)	Group 2 tanks not using emissions averaging as prescribed by §63.150 shall use record keeping methods in §63.123(a). Not required to comply with §63.119 to §63.123.	None	§ 63.123(a)	§ 63.152(c)(4)(iii)
GRPKBTAN K1	EU	R115-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.112(a)(2)(F) § 115.114(a)(2)(A) § 115.114(a)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)
GRPKBTAN K1	EU	60Kb-1	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(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)
							§ 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)		
GRPKBTAN K1	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) § 63.640(n)(8)(vii) § 63.642(b) § 63.642(n)	Floating roof storage vessels described by §63.640(n)(2) are to comply with 40 CFR part 60, subpart Kb, except as provided in §63.640(n)(8)(i)-(vii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)
GRPKBTAN K2	EU	R115-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D)	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	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(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)
					§ 115.112(a)(2)(E) § 115.112(a)(2)(F) § 115.114(a)(2)(A) § 115.114(a)(4)(A)	Table II(a).			
GRPKBTAN K2	EU	60Kb-1	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
GRPKBTAN K2	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) § 63.640(n)(8)(vii) § 63.642(b) § 63.642(n)	Floating roof storage vessels described by §63.640(n)(2) are to comply with 40 CFR part 60, subpart Kb, except as provided in §63.640(n)(8)(i)-(vii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(iv) § 63.640(n)(8)(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)
							§ 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(ii)		
GRPKBTAN K3	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
GRPKBTAN K3	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRPKBTAN K5	EU	R115-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						division.			
GRPKBTAN K5	EU	60Kb-1	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
GRPKBTAN K5	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) § 63.640(n)(8)(vii) § 63.642(b) § 63.642(n)	Floating roof storage vessels described by §63.640(n)(2) are to comply with 40 CFR part 60, subpart Kb, except as provided in §63.640(n)(8)(i)-(vii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 63.640(n)(8)(vi)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(iv) § 63.640(n)(8)(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)
							§ 60.113b(b)(6)(ii) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(ii)		
GRPKTANK 2	EU	R115-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.112(a)(2)(F) § 115.114(a)(2)(A) § 115.114(a)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)
GRPKTANK 2	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(2) § 63.1063(a)(1)(ii) § 63.1063(a)(1)(ii)(B) § 63.1063(a)(1)(ii)(C) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(vii) § 63.1063(a)(2)(viii)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(2) § 63.1063(c)(2)(i) § 63.1063(c)(2)(ii) § 63.1063(c)(2)(iii) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) [G]§ 63.1063(d)(1) § 63.1063(d)(3) [G]§ 63.1063(d)(3)(i) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(b)(2) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1063(c)(2)(iv)(B) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(3)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(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)
					§ 63.1063(a)(2)(viii)(A) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(b)(5) § 63.1063(d)(3)(ii) § 63.1063(d)(3)(iii) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b)			§ 63.655(h)(2)(ii) § 63.655(h)(6) § 63.655(h)(6)(ii)	
GRPLWVPT K3	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
GRPLWVPT K3	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRPMACT1	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D)	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	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(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)
					§ 115.112(a)(2)(E) § 115.112(a)(2)(F) § 115.114(a)(2)(A) § 115.114(a)(4)(A)	Table II(a).			
GRPMACT1	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(2) § 63.1063(a)(1)(ii) § 63.1063(a)(1)(ii)(B) § 63.1063(a)(1)(ii)(C) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(A) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(d)(3)(ii) § 63.1063(d)(3)(iii) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(2) § 63.1063(c)(2)(i) § 63.1063(c)(2)(ii) § 63.1063(c)(2)(iii) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) [G]§ 63.1063(d)(1) § 63.1063(d)(3) [G]§ 63.1063(d)(3)(i) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(b)(2) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1063(c)(2)(iv)(B) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(3)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(2)(ii) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRPMACT3	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						requirements of this division.			
GRPMACT3	EU	63CC	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(1) § 63.1063(a)(1)(i) § 63.1063(a)(1)(i)(B) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(iv) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)( B) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b) [G]§ 63.660(b)(2)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(1) [G]§ 63.1063(c)(1)(i) [G]§ 63.1063(d)(1) § 63.1063(d)(2) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(2)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRPMACTT K2	EU	R115-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.112(a)(2)(F) § 115.112(a)(2)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(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)
					§ 115.114(a)(4)(A)				
GRPMACTT K2	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(2) § 63.1063(a)(1)(ii) § 63.1063(a)(1)(ii)(B) § 63.1063(a)(1)(ii)(C) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(A) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(d)(3)(ii) § 63.1063(d)(3)(iii) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(2) § 63.1063(c)(2)(i) § 63.1063(c)(2)(ii) § 63.1063(c)(2)(iii) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) [G]§ 63.1063(d)(1) § 63.1063(d)(3) [G]§ 63.1063(d)(3)(i) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(b)(2) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1063(c)(2)(iv)(B) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(3)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(2)(ii) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRPOWSFF	EU	R5131	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)	§ 115.136(a)(2) § 115.136(a)(3) § 115.136(a)(4)	None
GRPSRU-J	EU	60J-SR1	SO <sub>2</sub>	40 CFR Part 60, Subpart J	§ 60.104(a)(2)(i)	No owner or operator subject to the provisions of	[G]§ 60.105(a)(5) § 60.106(a)	[G]§ 60.105(a)(5)	§ 60.105(e)(4)(i) § 60.107(d)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						this subpart shall discharge or cause the discharge into the atmosphere from any Claus sulfur recovery plant with a reduction control system followed by incineration any gases containing in excess of 250 ppm by volume of SO2 at zero percent excess air.	[G]§ 60.106(f)		§ 60.107(f) § 60.107(g)
GRPSRU-JA	EU	60Ja-3	SO <sub>2</sub>	40 CFR Part 60, Subpart Ja	§ 60.102a(f)(1)(i) § 60.102a(a) § 60.102a(f) § 60.102a(f)(1) § 60.102a(f)(3) § 60.103a(c) § 60.103a(c)(3) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(5) [G]§ 60.103a(e)	For a sulfur recovery plant with a design production capacity greater than 20 LTD with an oxidation control or a reduction control system followed by incineration, the owner or operator shall not discharge SO2 gases into the atmosphere in excess of the emission limit calculated using Equation 1 in §60.102a(f)(1)(i) of this section.	§ 60.104a(a) § 60.104a(c) § 60.104a(h) § 60.104a(h)(1) § 60.104a(h)(2) § 60.104a(h)(3) § 60.104a(h)(4) § 60.104a(h)(6) § 60.106a(a) [G]§ 60.106a(a)(1) [G]§ 60.106a(a)(5) § 60.106a(a)(7)(iv) § 60.106a(b) § 60.106a(b)(1)	§ 60.102a(f)(3) § 60.108a(a) § 60.108a(c) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	§ 60.108a(a) § 60.108a(b) [G]§ 60.108a(d)
GRPSW500 TK	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
GRPSW500 TK	EU	60QQQ-1	VOC	40 CFR Part 60, Subpart QQQ	§ 60.693-2(a) § 60.692-1(a) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b) § 60.693-2(a)(1) § 60.693-2(a)(1)(i)	May elect to install a floating roof on an oil-water separator tank, slop oil tank or other auxiliary equipment subject to this subpart which meets the following specifications:	§ 60.693-2(a)(1)(iii)(A) § 60.693-2(a)(1)(iii)(B) § 60.693-2(a)(5)(i) § 60.696(a) [G]§ 60.696(d)	§ 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) [G]§ 60.697(k)	§ 60.693-2(b) § 60.698(a) § 60.698(b)(1) § 60.698(e)

**Applicable Requirements Summary**

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.693-2(a)(1)(i)(B) § 60.693-2(a)(1)(i)(C) [G]§ 60.693-2(a)(1)(ii) § 60.693-2(a)(1)(iii) § 60.693-2(a)(1)(iv) § 60.693-2(a)(2) § 60.693-2(a)(3) § 60.693-2(a)(4) § 60.693-2(a)(5)(ii) § 60.693-2(c)				
GRPTHON	EU	R5112-3	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.112(a)(3) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) § 115.115(a) § 115.115(a)(1) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(4) § 115.118(a)(4)(A) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B)
GRPTHON	EU	63G	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(ii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(2)(i) § 63.120(a)(2)(ii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(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)
GRPTHON2	EU	R5112-4	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
GRPTHON2	EU	60KB	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
GRPTHON2	EU	63G	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(ii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(2)(i) § 63.120(a)(2)(ii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
H-400	EU	60DB-2	NO <sub>x</sub>	40 CFR Part 60, Subpart Db	§ 60.44b(l)(1) § 60.44b(h) § 60.44b(i) § 60.46b(a)	On or after the §60.8 performance test is completed, no facility that commenced construction	§ 60.46b(c) § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(4)	[G]§ 60.48b(b) § 60.48b(c) [G]§ 60.49b(d) [G]§ 60.49b(g)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(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)
						after 07/09/1997 shall discharge NOx in excess 86 ng/J (0.20 lb/MMBtu) heat input if the facility combusts coal, oil, natural gas or a combination involving these fuels unless the facility is subject to and in compliance with a federally enforceable requirement that limits operation an annual capacity factor of 10 percent or less for coal, oil, and natural gas (or any combination of the three).	[G]§ 60.48b(b) § 60.48b(c) § 60.48b(d) § 60.48b(e) [G]§ 60.48b(e)(2) § 60.48b(e)(3) § 60.48b(f) § 60.48b(g)(1)	§ 60.49b(o)	§ 60.49b(h) § 60.49b(h)(4) § 60.49b(i) § 60.49b(v) § 60.49b(w)
H-400	EU	60DB-2	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
H-400	EU	60DB-2	PM (Opacity)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(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)
						steam generating unit of greater than 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)).			
H-400	EU	60Ja-4	Hydrogen Sulfide	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(1)(ii) § 60.102a(a) § 60.102a(g) § 60.102a(g)(1) § 60.103a(c) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(5) [G]§ 60.103a(e)	For each fuel gas combustion device the owner or operator shall not burn in any fuel gas combustion device any fuel gas that contains H <sub>2</sub> S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis and H <sub>2</sub> S in excess of 60 ppmv determined daily on a 365 successive calendar day rolling average basis.	§ 60.104a(a) § 60.104a(c) [G]§ 60.104a(j) § 60.107a(a) § 60.107a(a)(2) § 60.107a(a)(2)(i) § 60.107a(a)(2)(ii) § 60.107a(a)(2)(iii) § 60.107a(a)(2)(iv) § 60.107a(i) § 60.107a(i)(1)(ii)	§ 60.108a(a) § 60.108a(c) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	§ 60.108a(a) § 60.108a(b) [G]§ 60.108a(d)
H-400	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.1 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(12) § 63.7540(a)(13)	A new or existing boiler or process heater with a continuous oxygen trim system that maintains an optimum air to fuel ratio must conduct a tune-up of the boiler or process heater every 5 years as specified in § 63.7540.	§ 63.7510(g) § 63.7515(d) § 63.7525(a)(7) § 63.7540(a) [G]§ 63.7540(a)(10)	§ 63.7555(a) § 63.7555(a)(1) § 63.7560(a) § 63.7560(b) § 63.7560(c)	§ 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
PRO-BTX	PRO	63F-1	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.100(b) [G]§ 63.102(a) [G]§ 63.102(c) § 63.105(d)	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)(1) § 63.103(b)(3) § 63.103(b)(4) [G]§ 63.103(b)(5) § 63.103(b)(6)	[G]§ 63.103(c) [G]§ 63.105(b) § 63.105(c) § 63.105(e)	§ 63.103(b)(2) [G]§ 63.103(b)(5) [G]§ 63.103(d)
PRO-EBU	PRO	61FF-1	Benzene	40 CFR Part 61, Subpart FF	§ 61.348(a)(5) § 61.348(b)(1)	An owner or operator that aggregates or mixes any	[G]§ 61.348(b)(2) § 61.348(e)(1)	§ 61.354(a)(2) § 61.355(g)	§ 61.357(d)(7) § 61.357(d)(7)(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)
					[G]§ 61.348(b)(2) § 61.348(e) § 61.348(e)(1) § 61.348(e)(2) § 61.348(f)	combination of process wastewater, product tank drawdown, or landfill leachate subject to §61.342(c)(1) together with other waste streams to create a combined waste stream for the purpose of facilitating management or treatment of waste in a wastewater treatment system shall operate the wastewater treatment system in accordance with §61.348(b). These provisions apply to above- and below-ground level wastewater treatment systems.	§ 61.348(f) § 61.354(a)(2) [G]§ 61.354(b) § 61.355(g)	§ 61.356(b)(6) § 61.356(e) § 61.356(e)(1) [G]§ 61.356(e)(3) [G]§ 61.356(i)	§ 61.357(d)(7)(iii)
PRO-TDP	PRO	63F-1	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.100(b) [G]§ 63.102(a) [G]§ 63.102(c) § 63.105(d)	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)(1) § 63.103(b)(3) § 63.103(b)(4) [G]§ 63.103(b)(5) § 63.103(b)(6)	[G]§ 63.103(c) [G]§ 63.105(b) § 63.105(c) § 63.105(e)	§ 63.103(b)(2) [G]§ 63.103(b)(5) [G]§ 63.103(d)
PROSRU1&3	EU	R1127	SO <sub>2</sub>	30 TAC Chapter 112, Sulfur Compounds	§ 112.7(a)	No person may cause, suffer, allow, or permit emissions of SO <sub>2</sub> to exceed the emission limits specified for stack effluent flow rates less than or equal to 4,000 scfm as determined by the specified equation in §112.7(a).	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)
PROSRU1&3	EU	63UUU-005	SO <sub>2</sub>	40 CFR Part 63, Subpart UUU	§ 63.1568(a)(1)(i)- Table 29.2.a	For each new or existing SRU not subject to the	§ 63.1568(b)(1) § 63.1568(b)(1)-	§ 63.1568(b)(1)-Table 31.2.a	§ 63.1568(b)(6) § 63.1568(b)(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)
					§ 63.1568(a)(1) § 63.1568(a)(2) § 63.1568(a)(2)-Table 30.2 § 63.1568(a)(2)-Table 30.5 § 63.1568(a)(3) § 63.1568(a)(4) § 63.1568(a)(4)(i) § 63.1568(a)(4)(ii) § 63.1568(b)(1)-Table 31.4 § 63.1568(b)(3) § 63.1568(b)(4) § 63.1568(b)(5) § 63.1568(b)(5)-Table 33.2.a § 63.1568(c)(1) § 63.1568(c)(1)-Table 35.2 § 63.1568(c)(2) § 63.1569(a)(1) § 63.1569(a)(1)(i)-Table 36.1 § 63.1569(a)(3) § 63.1569(b)(1) § 63.1569(b)(1)-Table 37.1 § 63.1569(b)(2) § 63.1569(b)(2)-Table 38.1.a § 63.1569(c)(1) § 63.1569(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.670(c) § 63.671(a)	NSPS for sulfur oxides in 40 CFR §60.104(a)(2) or §60.102a(f)(1), and electing to meet the NSPS requirements (Option 1), you must meet the emission limit for each process vent of 250 ppmv (dry basis) of SO2 at zero percent excess air if you use an oxidation or reduction control system followed by incineration.	Table 31.2.a § 63.1568(b)(2) § 63.1568(b)(2)-Table 32.1.a § 63.1568(c)(1)-Table 34.2.a § 63.1568(c)(1)-Table 35.4 § 63.1569(b)(1) § 63.1569(b)(1)-Table 37.1 § 63.1569(c)(1)-Table 39.1 § 63.1571(a) § 63.1571(a)(1) [G]§ 63.1571(b) § 63.1572(a) § 63.1572(a)(1) § 63.1572(a)(1)-Table 40.5 § 63.1572(a)(1)-Table 40.9 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) § 63.1572(c) [G]§ 63.1572(d)	§ 63.1568(c)(1)-Table 34.2.a § 63.1569(b)(1)-Table 37.1 § 63.1569(c)(1)-Table 39.1 § 63.1569(c)(1)-Table 39.5 § 63.1570(c) § 63.1570(d) [G]§ 63.1576(a) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1569(b)(3) § 63.1569(b)(4) § 63.1569(c)(1)-Table 39.5 § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(c) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 § 63.1575(a)-Table 43.2 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) § 63.1575(k) [G]§ 63.1575(k)(1) [G]§ 63.1575(k)(2) [G]§ 63.1575(l) [G]§ 63.1576(b)
PROSRU4-5	EU	R1127	SO <sub>2</sub>	30 TAC Chapter	§ 112.7(a)	No person may cause,	§ 112.2(a)	§ 112.2(c)	§ 112.2(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)
				112, Sulfur Compounds		suffer, allow, or permit emissions of SO2 to exceed the emission limits specified for stack effluent flow rates less than or equal to 4,000 scfm as determined by the specified equation in §112.7(a).	** See Periodic Monitoring Summary		
PROSRU4-5	EU	63UUU-005	SO <sub>2</sub>	40 CFR Part 63, Subpart UUU	§ 63.1568(a)(1)(i)-Table 29.2.a § 63.1568(a)(1) § 63.1568(a)(2) § 63.1568(a)(2)-Table 30.2 § 63.1568(a)(2)-Table 30.5 § 63.1568(a)(3) § 63.1568(a)(4) § 63.1568(a)(4)(i) § 63.1568(a)(4)(ii) § 63.1568(b)(1)-Table 31.4 § 63.1568(b)(3) § 63.1568(b)(4) § 63.1568(b)(5) § 63.1568(b)(5)-Table 33.2.a § 63.1568(c)(1) § 63.1568(c)(1)-Table 35.2 § 63.1568(c)(2) § 63.1569(a)(1) § 63.1569(a)(1)(i)-Table 36.1 § 63.1569(a)(3) § 63.1569(b)(1) § 63.1569(b)(1)-Table 37.1	For each new or existing SRU not subject to the NSPS for sulfur oxides in 40 CFR §60.104(a)(2) or §60.102a(f)(1), and electing to meet the NSPS requirements (Option 1), you must meet the emission limit for each process vent of 250 ppmv (dry basis) of SO2 at zero percent excess air if you use an oxidation or reduction control system followed by incineration.	§ 63.1568(b)(1) § 63.1568(b)(1)-Table 31.2.a § 63.1568(b)(2) § 63.1568(b)(2)-Table 32.1.a § 63.1568(c)(1)-Table 34.2.a § 63.1569(b)(1)-Table 35.4 § 63.1569(b)(1)-Table 37.1 § 63.1569(c)(1)-Table 39.1 § 63.1571(a) § 63.1571(a)(1) [G]§ 63.1571(b) § 63.1572(a) § 63.1572(a)(1) § 63.1572(a)(1)-Table 40.5 § 63.1572(a)(1)-Table 40.9 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) § 63.1572(c) [G]§ 63.1572(d)	§ 63.1568(b)(1)-Table 31.2.a § 63.1568(c)(1)-Table 34.2.a § 63.1569(b)(1)-Table 37.1 § 63.1569(c)(1)-Table 39.1 § 63.1569(c)(1)-Table 39.5 § 63.1570(c) § 63.1570(d) [G]§ 63.1576(a) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1568(b)(6) § 63.1568(b)(7) § 63.1569(b)(3) § 63.1569(b)(4) § 63.1569(c)(1)-Table 39.5 § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(c) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 § 63.1575(a)-Table 43.2 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) § 63.1575(k) [G]§ 63.1575(k)(1) [G]§ 63.1575(k)(2) [G]§ 63.1575(l) [G]§ 63.1576(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)
					§ 63.1569(b)(2) § 63.1569(b)(2)-Table 38.1.a § 63.1569(c)(1) § 63.1569(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.670(c) § 63.671(a)				
SOLIDLIQF UG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
SOLIDLIQF UG	EU	R5352ALL	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(8) § 115.357(9)	No valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
SOLIDLIQF UG	EU	R5352ALL	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	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.			
SOLIDLIQF UG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
SOLIDLIQF UG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
SOLIDLIQF UG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Conservation vents or other devices on atmospheric storage tanks that are actuated either by a vacuum or a pressure of no more than 2.5 psig, pressure relief valves equipped with a rupture disk or venting to a control device, components in continuous vacuum service, and valves that are not externally regulated (such as in-line check	None	§ 115.356 § 115.356(3) [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)
						valves) are exempt from the requirements of this division, except that each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.			
SOLIDLIQF UG	EU	R5352ALL	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(7) § 115.357(1)	No process drains contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
SOLIDLIQF UG	EU	R5352ALL	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(7)	No process drains contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5)	None
SOLIDLIQF	EU	R5352ALL	VOC	30 TAC Chapter	§ 115.352(1)(A)	No pressure relief valves	§ 115.354(1)	§ 115.352(7)	[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)
UG				115, Pet. Refinery & Petrochemicals	§ 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(8) § 115.357(9)	contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
SOLIDLIQF UG	EU	R5352ALL	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(12) § 115.357(8) § 115.357(9)	No pressure relief valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
SOLIDLIQF UG	EU	R5352ALL	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 open-ended valves or lines contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[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(1) § 115.357(8) § 115.357(9)	greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
SOLIDLIQF UG	EU	R5352ALL	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(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
SOLIDLIQF UG	EU	R5352ALL	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(8) § 115.357(9)	No valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
SOLIDLIQF UG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery	§ 115.352(1)(A) § 115.352(1)	No flanges or other connectors contacting a	§ 115.354(1) § 115.354(11)	§ 115.352(7) § 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) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(1) § 115.357(12) § 115.357(8)	fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	[G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
SOLIDLIQF UG	EU	R5352ALL	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(8)	No flanges or other connectors contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
SOLIDLIQF UG	EU	R5352ALL	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)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii)	No agitators contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening	[G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [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)
					§ 115.352(3) § 115.352(7) § 115.357(1) § 115.357(8)	concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		§ 115.356(5)	
SOLIDLIQF UG	EU	R5352ALL	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)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(8)	No agitators contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
SOLIDLIQF UG	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(8)	No compressor seals in hydrogen service with and the hydrogen content can be expected to always exceed 50.0% by volume shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(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)
SOLIDLIQF UG	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
SOLIDLIQF UG	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No compressor seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
SOLIDLIQF UG	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii)	No compressor seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(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)
					§ 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		§ 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
SOLIDLIQF UG	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No pump seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
SOLIDLIQF UG	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No pump seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(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)
						sound.			
SOLIDLIQF UG	EU	R5352ALL	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(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No pump seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
SOLIDLIQF UG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(C) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8) § 115.358(c)(1) [G]§ 115.358(h)	If the owner or operator elects to use the alternative work practice in §115.358, no component shall be allowed to have a VOC leak, detected as defined in §115.358, for more than 15 days after discovery. This includes any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) [G]§ 115.355 § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f)	§ 115.352(7) § 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) [G]§ 115.356(4) § 115.356(5)	[G]§ 115.358(g)
SOLIDLIQF UG	EU	R5352ALL	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	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

**Applicable Requirements Summary**

<b>Unit Group Process ID No.</b>	<b>Unit Group Process Type</b>	<b>SOP Index No.</b>	<b>Pollutant</b>	<b>State Rule or Federal Regulation Name</b>	<b>Emission Limitation, Standard or Equipment Specification Citation</b>	<b>Textual Description (See Special Term and Condition 1.B.)</b>	<b>Monitoring And Testing Requirements</b>	<b>Recordkeeping Requirements (30 TAC § 122.144)</b>	<b>Reporting Requirements (30 TAC § 122.145)</b>
						this division except §115.356(3)(C) of this title.			
TKAS2000	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None



**Additional Monitoring Requirements**

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**Periodic Monitoring Summary ..... 454**

### CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: 55REGENPCV	
Control Device ID No.: 55FCCURFGS	Control Device Type: Wet scrubber
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
<b>Monitoring Information</b>	
Indicator: Liquid Flow Rate	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: Minimum liquid flow rate as established in the most recent performance test.	
<p>CAM Text: 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: within 5% of span or within 5 % of design liquid supply pressure.</p> <p>EPA has approved an alternative monitoring procedure. Pursuant to NSR Permit 46396, Special Condition No. 17, as part of the alternative procedure, opacity (emissions) shall be correlated with the minimum FCCU venturi scrubber system pressure drop required to meet opacity (emission) limitations. The minimum operating parameters described above shall be defined during the stack sampling tests required by Special Condition No. 90 of NSR 46396 permit. Stack sampling monitoring data shall be reduced to appropriate units, and the final results shall be used to establish the minimum operating limitations for the venturi scrubber pressure drop. The minimum venture scrubber pressure drop and liquid flow rate operating conditions must be maintained.</p>	

### CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: 55REGENPCV	
Control Device ID No.: 55FCCURFGS	Control Device Type: Wet scrubber
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
<b>Monitoring Information</b>	
Indicator: Pressure Drop	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: Minimum pressure drop as established in the most recent performance test.	
<p>CAM Text: 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: within 1 inch water guage pressure or within 2 % of span.</p> <p>EPA has approved an alternative monitoring procedure. Pursuant to NSR Permit 46396, Special Condition No. 17, as part of the alternative procedure, opacity (emissions) shall be correlated with the minimum FCCU venturi scrubber system pressure drop required to meet opacity (emission) limitations. The minimum operating parameters described above shall be defined during the stack sampling tests required by Special Condition No. 90 of NSR 46396 permit. Stack sampling monitoring data shall be reduced to appropriate units, and the final results shall be used to establish the minimum operating limitations for the venturi scrubber pressure drop. The minimum venture scrubber pressure drop and liquid flow rate operating conditions must be maintained.</p>	

### CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: 55REGENPCV	
Control Device ID No.: 55FCCURFGS	Control Device Type: Wet scrubber
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-1
Pollutant: PM	Main Standard: § 60.102(a)(1)
<b>Monitoring Information</b>	
Indicator: Liquid Flow Rate	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: Minimum liquid flow rate as established in the most recent performance test.	
<p>CAM Text: 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: within 5% of span or within 5 % of design liquid supply pressure.</p> <p>EPA has approved an alternative monitoring procedure. Pursuant to NSR Permit 46396, Special Condition No. 17, as part of the alternative procedure, opacity (emissions) shall be correlated with the minimum FCCU venturi scrubber system pressure drop required to meet opacity (emission) limitations. The minimum operating parameters described above shall be defined during the stack sampling tests required by Special Condition No. 90 of NSR 46396 permit. Stack sampling monitoring data shall be reduced to appropriate units, and the final results shall be used to establish the minimum operating limitations for the venturi scrubber pressure drop. The minimum venture scrubber pressure drop and liquid flow rate operating conditions must be maintained.</p>	

### CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: 55REGENPCV	
Control Device ID No.: 55FCCURFGS	Control Device Type: Wet scrubber
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-1
Pollutant: PM	Main Standard: § 60.102(a)(1)
<b>Monitoring Information</b>	
Indicator: Pressure Drop	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: Minimum pressure drop as established in the most recent performance test.	
<p>CAM Text: 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: within 1 inch water guage pressure or within 2 % of span.</p> <p>EPA has approved an alternative monitoring procedure. Pursuant to NSR Permit 46396, Special Condition No. 17, as part of the alternative procedure, opacity (emissions) shall be correlated with the minimum FCCU venturi scrubber system pressure drop required to meet opacity (emission) limitations. The minimum operating parameters described above shall be defined during the stack sampling tests required by Special Condition No. 90 of NSR 46396 permit. Stack sampling monitoring data shall be reduced to appropriate units, and the final results shall be used to establish the minimum operating limitations for the venturi scrubber pressure drop. The minimum venture scrubber pressure drop and liquid flow rate operating conditions must be maintained.</p>	

### CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: 55REGENPCV	
Control Device ID No.: 55FCCURFGS	Control Device Type: Wet scrubber
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-1
Pollutant: PM (Opacity)	Main Standard: § 60.102(a)(2)
<b>Monitoring Information</b>	
Indicator: Liquid Flow Rate	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: Minimum liquid flow rate as established in the most recent performance test.	
<p>CAM Text: 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: within 5% of span or within 5 % of design liquid supply pressure.</p> <p>EPA has approved an alternative monitoring procedure. Pursuant to NSR Permit 46396, Special Condition No. 17, as part of the alternative procedure, opacity (emissions) shall be correlated with the minimum FCCU venturi scrubber system pressure drop required to meet opacity (emission) limitations. The minimum operating parameters described above shall be defined during the stack sampling tests required by Special Condition No. 90 of NSR 46396 permit. Stack sampling monitoring data shall be reduced to appropriate units, and the final results shall be used to establish the minimum operating limitations for the venturi scrubber pressure drop. The minimum venture scrubber pressure drop and liquid flow rate operating conditions must be maintained.</p>	

### CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: 55REGENPCV	
Control Device ID No.: 55FCCURFGS	Control Device Type: Wet scrubber
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart J	SOP Index No.: 60J-1
Pollutant: PM (Opacity)	Main Standard: § 60.102(a)(2)
<b>Monitoring Information</b>	
Indicator: Pressure Drop	
Minimum Frequency: four times per hour	
Averaging Period: one hour	
Deviation Limit: Minimum pressure drop as established in the most recent performance test.	
<p>CAM Text: 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: within 1 inch water guage pressure or within 2 % of span.</p> <p>EPA has approved an alternative monitoring procedure. Pursuant to NSR Permit 46396, Special Condition No. 17, as part of the alternative procedure, opacity (emissions) shall be correlated with the minimum FCCU venturi scrubber system pressure drop required to meet opacity (emission) limitations. The minimum operating parameters described above shall be defined during the stack sampling tests required by Special Condition No. 90 of NSR 46396 permit. Stack sampling monitoring data shall be reduced to appropriate units, and the final results shall be used to establish the minimum operating limitations for the venturi scrubber pressure drop. The minimum venture scrubber pressure drop and liquid flow rate operating conditions must be maintained.</p>	

### Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: 01ACU1H101	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 117, Subchapter B	SOP Index No.: R7117-7
Pollutant: CO	Main Standard: § 117.110(c)(1)
<b>Monitoring Information</b>	
Indicator: CO concentration	
Minimum Frequency: Annually	
Averaging Period: Block one hour average	
Deviation Limit: Maximum CO concentration shall not exceed 400 ppmv.	
<p>Periodic Monitoring Text: Measure the concentrations in the effluent stream of CO in parts per million, by volume (measurements may be either on a dry or wet basis). Measurements may be taken using a portable CO analyzer. Measurements will be averaged to comprise a one-hour block average to demonstrate compliance. Any block one-hour average above the concentration limit will be considered a deviation. For annual periods when monitoring is conducted to comply with 40 CFR 63 Subpart DDDDD, the CO monitoring conducted to comply with 40 CFR 63 Subpart DDDDD is deemed as sufficient and additional annual CO monitoring is not required.</p>	



### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 01VACTH301	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Subchapter B	SOP Index No.: R117-5
Pollutant: CO	Main Standard: § 117.110(c)(1)
Monitoring Information	
Indicator: CO concentration	
Minimum Frequency: Annually	
Averaging Period: Block one hour average	
Deviation Limit: Maximum CO concentration shall not exceed 400 ppmv.	
<p>Periodic Monitoring Text: Measure the concentrations in the effluent stream of CO in parts per million, by volume (measurements may be either on a dry or wet basis). Measurements may be taken using a portable CO analyzer. Measurements will be averaged to comprise a one-hour block average to demonstrate compliance. Any block one-hour average above the concentration limit will be considered a deviation. For annual periods when monitoring is conducted to comply with 40 CFR 63 Subpart DDDDD, the CO monitoring conducted to comply with 40 CFR 63 Subpart DDDDD is deemed as sufficient and additional annual CO monitoring is not required.</p>	

### Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: 15SRUINCIN	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
<b>Monitoring Information</b>	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: Opacity shall not exceed 20% averaged over a six-minute period.	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 22BZNTKFLR	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: Opacity shall not exceed 20% averaged over a six-minute period.	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

### Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: 22TANK0484	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R115-1
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>Monitoring Information</b>	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: N/A	
Averaging Period: N/A	
Deviation Limit: No records of tank construction showing specifications for fill pipe or show submerged side fill.	
Periodic Monitoring Text: Keep a record of tank construction specifications (e.g. engineering drawings) that show a fill pipe that extends from the top of a tank to have a maximum clearance of six inches (15.2 centimeters) from the bottom or, when the tank is loaded from the side, a discharge opening entirely submerged when the pipe used to withdraw liquid from the tank can no longer withdraw liquid in normal operation.	

### Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: 22TANK0484	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R115-1
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>Monitoring Information</b>	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: N/A	
Deviation Limit: Inspect integrity of fill pipe with vessel degassed, repairs done prior to refill. If repairs are not done, it is a deviation.	
Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed to ensure that it continues to meet the specifications in the above requirement. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 22TANK0538	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R115-1
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: N/A	
Averaging Period: N/A	
Deviation Limit: No records of tank construction showing specifications for fill pipe or show submerged side fill.	
<p>Periodic Monitoring Text: Keep a record of tank construction specifications (e.g. engineering drawings) that show a fill pipe that extends from the top of a tank to have a maximum clearance of six inches (15.2 centimeters) from the bottom or, when the tank is loaded from the side, a discharge opening entirely submerged when the pipe used to withdraw liquid from the tank can no longer withdraw liquid in normal operation.</p>	

### Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: 22TANK0538	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R115-1
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>Monitoring Information</b>	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: N/A	
Deviation Limit: Not inspecting integrity of fill pipe and recording when vessel degassed, not repairing vessel prior to refill if needed.	
<p>Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed to ensure that it continues to meet the specifications in the above requirement. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.</p>	

### Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: 22TK926FLR	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
<b>Monitoring Information</b>	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: Opacity shall not exceed 20% averaged over a six-minute period.	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	



### Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: 25SRUINCIN	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
<b>Monitoring Information</b>	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: Opacity shall not exceed 20% averaged over a six-minute period.	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 36SRUINCIN	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: Opacity shall not exceed 20% averaged over a six-minute period.	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

### Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: 50BZNTKFLR	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
<b>Monitoring Information</b>	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: Opacity shall not exceed 15% averaged over a six-minute period.	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

### Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: 51DHT1H-3	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 117, Subchapter B	SOP Index No.: R117-2
Pollutant: CO	Main Standard: § 117.110(c)(1)
<b>Monitoring Information</b>	
Indicator: CO Concentration	
Minimum Frequency: Annually	
Averaging Period: Block one hour average	
Deviation Limit: Maximum CO concentration shall not exceed 400 ppmv.	
<p>Periodic Monitoring Text: Measure the concentrations in the effluent stream of CO in parts per million, by volume (measurements may be either on a dry or wet basis). Measurements may be taken using a portable CO analyzer. Measurements will be averaged to comprise a one-hour block average to demonstrate compliance. Any block one-hour average above the concentration limit will be considered a deviation. For annual periods when monitoring is conducted to comply with 40 CFR 63 Subpart DDDDD, the CO monitoring conducted to comply with 40 CFR 63 Subpart DDDDD is deemed as sufficient and additional annual CO monitoring is not required.</p>	

### Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: 52DHT2H-1	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 117, Subchapter B	SOP Index No.: R117-2
Pollutant: CO	Main Standard: § 117.110(c)(1)
<b>Monitoring Information</b>	
Indicator: CO concentration	
Minimum Frequency: Annually	
Averaging Period: Block one hour average	
Deviation Limit: Maximum CO concentration shall not exceed 400 ppmv.	
<p>Periodic Monitoring Text: Measure the concentrations in the effluent stream of CO in parts per million, by volume (measurements may be either on a dry or wet basis). Measurements may be taken using a portable CO analyzer. Measurements will be averaged to comprise a one-hour block average to demonstrate compliance. Any block one-hour average above the concentration limit will be considered a deviation. For annual periods when monitoring is conducted to comply with 40 CFR 63 Subpart DDDDD, the CO monitoring conducted to comply with 40 CFR 63 Subpart DDDDD is deemed as sufficient and additional annual CO monitoring is not required.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 52DHT2H-2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Subchapter B	SOP Index No.: R117-2
Pollutant: CO	Main Standard: § 117.110(c)(1)
Monitoring Information	
Indicator: CO Concentration	
Minimum Frequency: Annually	
Averaging Period: Block one hour average	
Deviation Limit: Maximum CO concentration shall not exceed 400 ppmv.	
<p>Periodic Monitoring Text: Measure the concentrations in the effluent stream of CO in parts per million, by volume (measurements may be either on a dry or wet basis). Measurements may be taken using a portable CO analyzer. Measurements will be averaged to comprise a one-hour block average to demonstrate compliance. Any block one-hour average above the concentration limit will be considered a deviation. For annual periods when monitoring is conducted to comply with 40 CFR 63 Subpart DDDDD, the CO monitoring conducted to comply with 40 CFR 63 Subpart DDDDD is deemed as sufficient and additional annual CO monitoring is not required.</p>	

### Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: ASPHALTPRO	
Control Device ID No.: 18ASPHTVRS	Control Device Type: Wet scrubber
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart UU	SOP Index No.: 60UU-1
Pollutant: PM (Opacity)	Main Standard: § 60.472(c)
<b>Monitoring Information</b>	
Indicator: Opacity	
Minimum Frequency: once per month	
Averaging Period: six-minute	
Deviation Limit: Opacity greater than 0% is a deviation.	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-VENT15	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: Opacity shall not exceed 15% averaged over a six-minute period.	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	



### Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRP-VENT20	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
<b>Monitoring Information</b>	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: Opacity shall not exceed 20% averaged over a six-minute period.	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-VENT30	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: Opacity shall not exceed 30% averaged over a six-minute period.	
Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.	

### Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPDOCKTKS	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R115-1
Pollutant: VOC	Main Standard: § 115.112(a)(1)
<b>Monitoring Information</b>	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: N/A	
Averaging Period: N/A	
Deviation Limit: No records of tank construction showing specifications for fill pipe or show submerged side fill.	
Periodic Monitoring Text: Keep a record of tank construction specifications (e.g. engineering drawings) that show a fill pipe that extends from the top of a tank to have a maximum clearance of six inches (15.2 centimeters) from the bottom or, when the tank is loaded from the side, a discharge opening entirely submerged when the pipe used to withdraw liquid from the tank can no longer withdraw liquid in normal operation.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPDOCKTKS	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R115-1
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: N/A	
Deviation Limit: Not inspecting integrity of fill pipe and recording when vessel degassed, not repairing vessel prior to refill if needed.	
<p>Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed to ensure that it continues to meet the specifications in the above requirement. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.</p>	

### Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPHEAT2	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 117, Subchapter B	SOP Index No.: R117-2
Pollutant: CO	Main Standard: § 117.110(c)(1)
<b>Monitoring Information</b>	
Indicator: CO Concentration	
Minimum Frequency: Annually	
Averaging Period: Block one hour average	
Deviation Limit: Maximum CO concentration shall not exceed 400 ppmv.	
<p>Periodic Monitoring Text: Measure the concentrations in the effluent stream of CO in parts per million, by volume (measurements may be either on a dry or wet basis). Measurements may be taken using a portable CO analyzer. Measurements will be averaged to comprise a one-hour block average to demonstrate compliance. Any block one-hour average above the concentration limit will be considered a deviation. For annual periods when monitoring is conducted to comply with 40 CFR 63 Subpart DDDDD, the CO monitoring conducted to comply with 40 CFR 63 Subpart DDDDD is deemed as sufficient and additional annual CO monitoring is not required.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPHEAT5	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 117, Subchapter B	SOP Index No.: R117-5
Pollutant: CO	Main Standard: § 117.110(c)(1)
Monitoring Information	
Indicator: CO concentration	
Minimum Frequency: Annually	
Averaging Period: Block one hour average	
Deviation Limit: Maximum CO concentration shall not exceed 400 ppmv.	
<p>Periodic Monitoring Text: Measure the concentrations in the effluent stream of CO in parts per million, by volume (measurements may be either on a dry or wet basis). Measurements may be taken using a portable CO analyzer. Measurements will be averaged to comprise a one-hour block average to demonstrate compliance. Any block one-hour average above the concentration limit will be considered a deviation. For annual periods when monitoring is conducted to comply with 40 CFR 63 Subpart DDDDD, the CO monitoring conducted to comply with 40 CFR 63 Subpart DDDDD is deemed as sufficient and additional annual CO monitoring is not required.</p>	

### Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: PROSRU1&3	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: R1127
Pollutant: SO <sub>2</sub>	Main Standard: § 112.7(a)
<b>Monitoring Information</b>	
Indicator: SO <sub>2</sub> Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: Hourly	
Deviation Limit: 12-hour periods during which average concentration of SO <sub>2</sub> , as measured by CEMS, exceeds 250 ppm	
<p>Periodic Monitoring Text: Measure and record the concentration of SO<sub>2</sub> in the exhaust stream of the control device with a continuous emission monitoring system (CEMS). In addition, measure and record the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with 40 CFR § 60.13 and the Performance Specifications of 40 CFR Part 60, Appendix B. The maximum sulfur dioxide concentration (specified in units of the underlying applicable requirement) is the corresponding sulfur dioxide limit associated with the emission limitation in the underlying applicable requirement. Any monitoring data above the maximum limit shall be considered and reported as a deviation.</p>	

### Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: PROSRU4-5	
Control Device ID No.: 25SRUINCIN	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Control Device ID No.: 36SRUINCIN	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: R1127
Pollutant: SO <sub>2</sub>	Main Standard: § 112.7(a)
<b>Monitoring Information</b>	
Indicator: SO <sub>2</sub> Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: Hourly	
Deviation Limit: 12-hour periods during which average concentration of SO <sub>2</sub> , as measured by CEMS, exceeds 250 ppm	
<p>Periodic Monitoring Text: Measure and record the concentration of SO<sub>2</sub> in the exhaust stream of the control device with a continuous emission monitoring system (CEMS). In addition, measure and record the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with 40 CFR § 60.13 and the Performance Specifications of 40 CFR Part 60, Appendix B. The maximum sulfur dioxide concentration (specified in units of the underlying applicable requirement) is the corresponding sulfur dioxide limit associated with the emission limitation in the underlying applicable requirement. Any monitoring data above the maximum limit shall be considered and reported as a deviation.</p>	



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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
04BTXH-51	N/A	30 TAC Chapter 117, Subchapter B	Process heater maximum rated capacity is less than 40 million British thermal units per hour (MMBtu/hr).
06VDU2CHTR	N/A	30 TAC Chapter 117, Subchapter B	Process heater placed into service after November 15, 1992 and is not a functionally identical replacement for existing process heater.
08TANK0923	N/A	40 CFR Part 60, Subpart Kb	The storage vessel stores a VOL with a maximum true vapor pressure less than 0.5 psia.
14TANK0101	N/A	40 CFR Part 60, Subpart Kb	The storage vessel's rated capacity is greater than or equal to 19,800 gallons but less than 39,900 gallons and the Maximum True Vapor Pressure is less than 2.2 psia.
14TANK0102	N/A	40 CFR Part 60, Subpart Kb	Storage vessel volume does not exceed 75 cubic meters (19,800 gallons).
20TANK2003	N/A	40 CFR Part 60, Subpart Kb	The storage vessel stores material with a maximum true vapor pressure less than 0.5 psia.
22TANK0316	N/A	40 CFR Part 60, Subpart Kb	Vessel stores material that has a vapor pressure less than 0.5 psia.
22TANK0522	N/A	40 CFR Part 60, Subpart Kb	Vessel stores material that has a vapor pressure less than 0.5 psia.
22TANK0933	N/A	40 CFR Part 60, Subpart Kb	Maximum true vapor pressure less than 0.5 psia (3.5 kPa).
22TANK0938	N/A	40 CFR Part 60, Subpart K	Group 1 storage vessels also subject to 40 CFR Part 60, Subpart K, are required to comply only

**Permit Shield**

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			with 40 CFR Part 63, Subpart CC.
22TANK0939	N/A	40 CFR Part 60, Subpart K	Group 1 storage vessels also subject to 40 CFR Part 60, Subpart K, are required to comply only with 40 CFR Part 63, Subpart CC.
22TANK0940	N/A	40 CFR Part 60, Subpart Kb	Vessel stores material with a vapor pressure less than 0.5 psia.
30CKRHTR1	N/A	30 TAC Chapter 117, Subchapter B	Process heater placed into service after November 15, 1992 and is not a functionally identical replacement for existing process heater.
30CKRHTR2	N/A	30 TAC Chapter 117, Subchapter B	Process heater placed into service after November 15, 1992 and is not a functionally identical replacement for existing process heater.
31KNHTR	N/A	30 TAC Chapter 117, Subchapter B	Process heater placed into service after November 15, 1992 and is not a functionally identical replacement for existing process heater.
40CSPLTH-1	N/A	30 TAC Chapter 117, Subchapter B	Process heater placed into service after November 15, 1992 and is not a functionally identical replacement for existing process heater.
43DHT3CHTR	N/A	30 TAC Chapter 117, Subchapter B	Process heater placed into service after November 15, 1992 and is not a functionally identical replacement for existing process heater.
45DOCK1PCV	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Chapter 115 regulates marine terminal operations only in the Houston/Galveston area

### Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			and not Beaumont/Port Arthur.
45DOCK2PCV	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Chapter 115 regulates marine terminal operations only in the Houston/Galveston area and not Beaumont/Port Arthur.
45DOCK2PCV	N/A	40 CFR Part 63, Subpart CC	The marine vessel loading operations located at a petroleum refinery don't meet the applicability criteria of 40 CFR Part 63, Subpart Y because it loads commodities with vapor pressure less than 10.3kPa (1.5 psia) at 20 C.
45DOCK2PCV	N/A	40 CFR Part 63, Subpart Y	40 CFR 63, Subpart Y provisions do not apply to marine vessel loading of commodities with vapor pressure less than 10.3kPa (1.5 psia) at 20 C nor to ballasting operations as defined in §63.561.
45DOCK3PCV	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Chapter 115 regulates marine terminal operations only in the Houston/Galveston area and not Beaumont/Port Arthur.
67805CLTWR	N/A	40 CFR Part 63, Subpart Q	No chromium based water treatment chemicals have been used since 1984.
67NORTHCT	N/A	40 CFR Part 63, Subpart Q	No chromium based water treatment chemicals have been used since 1984.
67TANK0681	N/A	40 CFR Part 60, Subpart Kb	Vessel stores material that has a vapor pressure less than 0.5 psia.
67TANK0682	N/A	40 CFR Part 60, Subpart Kb	Vessel stores material that has a vapor pressure less than 0.5 psia.
DEGREASERS	N/A	30 TAC Chapter 115, Degreasing Processes	Remote reservoir cold cleaner uses a solvent with a TVP of less than 0.6 psia at 100°F with a

**Permit Shield**

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			drain area less than 16 in <sup>2</sup> , and the waste solvent is disposed of in enclosed containers.
ENG-03	N/A	40 CFR Part 60, Subpart IIII	The engine commenced construction, reconstruction, or modification before 07/11/2005.
ENG-04	N/A	40 CFR Part 60, Subpart IIII	The engine commenced construction, reconstruction, or modification before 07/11/2005.
ENG-05	N/A	40 CFR Part 60, Subpart IIII	The engine commenced construction, reconstruction, or modification before 07/11/2005.
ENG-06	N/A	40 CFR Part 60, Subpart IIII	The engine commenced construction, reconstruction, or modification before 07/11/2005.
ENG-11	N/A	40 CFR Part 60, Subpart IIII	The engine was manufactured before 04/01/2006.
ENG-12	N/A	40 CFR Part 60, Subpart IIII	The engine was manufactured before 04/01/2006.
ENG-15	N/A	40 CFR Part 60, Subpart IIII	The engine commenced construction, reconstruction, or modification before 07/11/2005.
ENG-16	N/A	40 CFR Part 60, Subpart IIII	The engine was manufactured before 04/01/2006.
ENG-21	N/A	40 CFR Part 60, Subpart IIII	The engine commenced construction, reconstruction, or modification before 07/11/2005

### Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
ENG-22	N/A	40 CFR Part 60, Subpart IIII	Compression ignition engine is manufactured as a certified National Fire Protection Association (NFPA) fire pump engine before July 1, 2006.
FUELGAS	N/A	30 TAC Chapter 115, Vent Gas Controls	Not a process vent by definition since vents are recovered into a fuel gas system for reuse as fuel value.
FUELGAS	N/A	40 CFR Part 63, Subpart CC	Not a miscellaneous process vents by definition since vents are gaseous streams routed to a fuel gas system.
FUELGAS	N/A	40 CFR Part 63, Subpart F	Not a continuous process vent by definition since vents are recovered into a fuel gas system for reuse as fuel value.
GRP-CTWR	02FWCLGTWR, 02HDCLGTWR, 08ALKCLTWR, 30DCPCT1, 60COGENCT, 67COGENCT, 67FPMCLTWR	40 CFR Part 63, Subpart Q	No chromium based water treatment chemicals have been used since 1984.
GRP-FLAREVT	30EASTFLARE-VT, 41NORTHFLR-VT, 53MIDFLARE-VT, 53SOUTHFLR-VT	30 TAC Chapter 115, Vent Gas Controls	The process is a Refinery.
GRPEQTANKS	67EQTK401A, 67EQTK401B, 67TANK0401C	40 CFR Part 60, Subpart Kb	Vessel stores material that has a vapor pressure less than 0.5 psia.
GRPHEAT1	10GRUHTRB1, 16ISOMHTR1, 16ISOMHTR2, 50TDPH-1	30 TAC Chapter 117, Subchapter B	Process heater maximum rated capacity is less than 40 million British thermal units per hour (MMBtu/hr).
GRPHONTK1	50TANK0928, 50TANK0929, 50TANK0930	40 CFR Part 63, Subpart CC	The storages vessel is subject to Part 63 Subparts F, G, H, or I and provisions do not apply to the processes.

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPHONTK2	22TANK0572, 22TANK0588, 22TANK0650, 22TANK0651, 22TANK0913	40 CFR Part 63, Subpart CC	The storages vessel is subject to Part 63 Subparts F, G, H, or I and provisions do not apply to the processes.
GRPHONTK4	22TANK0597, 22TANK0598, 22TANK0599	40 CFR Part 60, Subpart Kb	Vessel stores material that has a vapor pressure less than 0.5 psia.
GRPHONTK4	22TANK0597, 22TANK0598, 22TANK0599	40 CFR Part 63, Subpart CC	The storages vessel is subject to Part 63 Subparts F, G, H, or I and provisions do not apply to the processes.
GRPKBTANK3	20TANK2000, 22TANK0524, 22TANK0537, 22TANK0558	40 CFR Part 60, Subpart Kb	Vessel stores material that has a vapor pressure less than 0.5 psia.
GRPKTANK2	22TANK0452, 22TANK0453, 22TANK0454, 22TANK0455, 22TANK0475, 22TANK0476, 22TANK0477, 22TANK0478, 22TANK0479	40 CFR Part 60, Subpart K	Group 1 storage vessels also subject to 40 CFR Part 60, Subpart K, are required to comply only with 40 CFR Part 63, Subpart CC.
GRPTHON	22TANK0808, 22TANK0809, 22TANK0810	40 CFR Part 63, Subpart CC	The storages vessel is subject to Part 63 Subparts F, G, H, or I and provisions do not apply to the processes.
GRPTHON2	22TANK0811, 22TANK0812, 22TANK0813	40 CFR Part 63, Subpart CC	The storages vessel is subject to Part 63 Subparts F, G, H, or I and provisions do not apply to the processes.
H-400	N/A	30 TAC Chapter 117, Subchapter B	Boiler placed into service after November 15, 1992 and is not a functionally identical replacement for existing boiler.
TKAS2000	N/A	40 CFR Part 60, Subpart Kb	Vessel stores material that has a vapor pressure less than 0.5 psia.

**New Source Review Authorization References**

**New Source Review Authorization References ..... 487**

**New Source Review Authorization References by Emission Unit ..... 488**



### 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.: PSDTX1073M3	Issuance Date: 07/24/2024
<b>Nonattainment (NA) Permits</b>	
NA Permit No.: N044	Issuance Date: 07/24/2024
<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.: 46396	Issuance Date: 07/24/2024
Authorization No.: 118073	Issuance Date: 02/07/2023
Authorization No.: 154201	Issuance Date: 09/10/2020
Authorization No.: 166674	Issuance Date: 10/18/2021
Authorization No.: 173485	Issuance Date: 07/28/2023
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 7	Version No./Date: 09/23/1982
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 03/14/1997
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 03/14/1997
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001

**New Source Review Authorization References by Emissions Unit**

The following is a list of New Source Review (NSR) authorizations for emission units. 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**
01ACU1202A	ACU1 HEATER H-202A	46396, PSDTX1073M3, N044
01ACU1202B	ACU1 HEATER H-202B	46396, PSDTX1073M3, N044
01ACU1FUGS	ACU1 PROCESS FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522, 176044], 106.262/11/01/2003 [168522, 176044]
01ACU1H101	ACU1 HEATER H-101	46396, PSDTX1073M3, N044
01ACU1WWFG	ACU-1 WASTEWATER FUGITIVES	46396, PSDTX1073M3, N044
01ADDTANK1	ADDITIVE TANK	106.478/09/04/2000
01ADDTANK2	ADDITIVE TANK	106.478/09/04/2000
01ADDTANK3	ADDITIVE TANK	106.478/09/04/2000
01VACTFUGS	VAC TOWER PROCESS FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522], 106.262/11/01/2003 [168522]
01VACTH301	VAC TOWER HEATER H-301	46396, PSDTX1073M3, N044
02ACU2FUGS	ACU2 PROCESS FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522, 172400, 176044], 106.262/11/01/2003 [168522, 172400, 176044]
02ACU2H201	ACU2 HEATER H-201	46396, PSDTX1073M3, N044
02ACU2WWFG	ACU-2/JET TREATER WASTEWATER FUGITIVES	46396, PSDTX1073M3, N044
02ADDTANK1	ADDITIVE TANK	106.478/09/04/2000
02ADDTANK2	ADDITIVE TANK	106.478/09/04/2000
02ADDTANK3	ADDITIVE TANK	106.478/09/04/2000
02FWCLGTWR	FOSTER-WHEELER COOLING TOWER	46396, PSDTX1073M3, N044

**New Source Review Authorization References by Emissions Unit**

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
02HDCLGTWR	HUDSON COOLING TOWER	46396, PSDTX1073M3, N044
04BTXFUGS	BTX PROCESS FUGITIVES	46396, PSDTX1073M3, N044
04BTXH-51	BENZENE HEATER 4H-51	46396, PSDTX1073M3, N044
04BTXH-52	TOLUENE HEATER 4H-52	46396, PSDTX1073M3, N044
04BTXH-53	XYLENE HEATER 4H-53	46396, PSDTX1073M3, N044
04BTXTKFUG	BTX STORAGE TANK FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [172400, 176044], 106.262/11/01/2003 [172400, 176044]
04BTXWWFUG	BTX/SULFOLANE WASTEWATER FUGITIVES	46396, PSDTX1073M3, N044
04SULFFUGS	SULFOLANE PROCESS FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [172400], 106.262/11/01/2003 [172400]
04TANK0941	TANK 941	46396, PSDTX1073M3, N044
04TANK0946	TANK 946	46396, PSDTX1073M3, N044
06VDU2CHTR	VDU-2 HEATER	46396, PSDTX1073M3, N044
06VDU2FUGS	VDU-2 FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522], 106.262/11/01/2003 [168522]
08ALKCLTWR	ALKY COOLING TOWER	46396, PSDTX1073M3, N044
08ALKYFUGS	ALKY PROCESS FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522, 172400, 176044], 106.262/11/01/2003 [168522, 172400, 176044]
08ALKYWWFG	BTX/SULFOLANE WASTEWATER FUGITIVES	46396, PSDTX1073M3, N044
08TANK0668	TANK 668 - SPENT SULFURIC ACID WITH ALKYLATE	46396, PSDTX1073M3, N044
08TANK0923	SPENT SULFURIC ACID TANK 923	46396, PSDTX1073M3, N044

**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**
09SATLQFUG	SAT LIQUIDS PROCESS FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522, 172400, 176044], 106.262/11/01/2003 [168522, 172400, 176044]
10DEMEXFUG	DEMEX PROCESS FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [172400], 106.262/11/01/2003 [172400]
10DEMEXH-2	DEMEX ASPHALT HEATER 3H-2	46396, PSDTX1073M3, N044
10DEMEXH-4	DEMEX DMO HEATER 3H-4	46396, PSDTX1073M3, N044
10DMXWWFUG	DEMEX WASTEWATER FUGITIVES	46396, PSDTX1073M3, N044
10GRUFUGS	GRU PROCESS FUGITIVES	46396, PSDTX1073M3, N044, 106.261/09/04/2000 [55631], 106.261/11/01/2003 [176044], 106.262/11/01/2003 [176044]
10GRUHTRB1	GRU HEATER B-1	46396, PSDTX1073M3, N044, 106.183/09/04/2000 [55631], 106.261/09/04/2000 [55631]
13UNIBFUGS	UNIBON PROCESS FUGITIVES (HDS UNIT)	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [172400, 176044], 106.262/11/01/2003 [172400, 176044]
13UNIBH301	UNIBON CHARGE HEATER H-301	46396, PSDTX1073M3, N044
13UNIWWFUG	UNIBON WASTEWATER FUGITIVES (HDS UNIT)	46396, PSDTX1073M3, N044
14ATUWWFUG	AMINE TREATER WASTEWATER FUGITIVES	46396, PSDTX1073M3, N044
14FGTFUGS	FGT PROCESS FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522, 176044], 106.262/11/01/2003 [168522, 176044]
14SR1WWFUG	SRU-1/SCOT WASTEWATER FUGITIVES	46396, PSDTX1073M3, N044
14SRU1FUGS	SRU1 PROCESS FUGITIVES	46396, PSDTX1073M3, N044

**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**
14SRU1PCV	SRU 1 PROCESS VENT	46396, PSDTX1073M3, N044
14TANK0101	TANK 101	106.472/09/04/2000
14TANK0102	TANK 102	106.472/09/04/2000
15SCOTFUG	SCOT PROCESS FUGITIVES	46396, PSDTX1073M3, N044
15SRUINCIN	SRU 1 & 3 TAILGAS THERMAL OXIDIZER	46396, PSDTX1073M3, N044
16ISOMFUGS	ISOM PROCESS FUGITIVES	46396, PSDTX1073M3, N044
16ISOMHTR	ISOM HEATER H-1 / H-2 STACK	46396, PSDTX1073M3, N044, 7/09/23/1982 [11273]
16ISOMHTR1	ISOM HEATER H-1	46396, PSDTX1073M3, N044, 7/09/23/1982 [11273]
16ISOMHTR2	ISOM HEATER H-2	46396, PSDTX1073M3, N044, 7/09/23/1982 [11273]
16ISOMWWFG	ISOMERIZATION WASTEWATER FUGITIVES	46396, PSDTX1073M3, N044
17ADDTANK1	ADDITIVE TANK	106.478/09/04/2000
17FGRCSFUG	FLARE GAS RECOVERY COMPRESSOR SYSTEM FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [176044], 106.262/11/01/2003 [176044]
17LPGRCFUG	LRU FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522], 106.262/11/01/2003 [168522]
17NHTFUGS	NHT PROCESS FUGITIVES	46396, PSDTX1073M3, N044
17NHTHTR1	NHT HEATER 17H101	46396, PSDTX1073M3, N044
17NHTHTR2	NHT HEATER 17H102	46396, PSDTX1073M3, N044
17NHTHTRS	NHT HEATERS STACK	46396, PSDTX1073M3, N044

**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**
17NHTWWFUG	NHT/REFORMER WASTEWATER FUGITIVES	46396, PSDTX1073M3, N044
17REFFUGS	REFORMER PROCESS FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522], 106.262/11/01/2003 [168522]
17REFHTR1	REFORMER HEATERS 17H1	46396, PSDTX1073M3, N044
17REFHTR2	REFORMER HEATERS 17H2	46396, PSDTX1073M3, N044
17REFHTR3	REFORMER HEATERS 17H3	46396, PSDTX1073M3, N044
17REFHTR4	REFORMER HEATERS 17H4	46396, PSDTX1073M3, N044
17REFHTR5	REFORMER HEATERS 17H5	46396, PSDTX1073M3, N044
17REFHTR6	REFORMER HEATERS 17H6	46396, PSDTX1073M3, N044
17REFHTRS	REFORMER HEATERS STACK	46396, PSDTX1073M3, N044
18RAILLOAD	ASPHALT RAILCAR LOADING RACK	46396, PSDTX1073M3, N044
18TRKLOAD	ASPHALT TRUCK RACK LOADING	46396, PSDTX1073M3, N044
19PSAFUGS	PSA FUGITIVES	46396, PSDTX1073M3, N044
20GASLOAD	GASOLINE TRUCK LOADING AT GAS RACK	46396, PSDTX1073M3, N044
20GASTRKFG	GAS LOADING RACK PROCESS FUGITVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522, 176044], 106.262/11/01/2003 [168522, 176044]
20MOGASBLD	MOGAS BLENDING FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522, 176044], 106.262/11/01/2003 [168522, 176044]
20TANK2000	TANK 2000	46396, PSDTX1073M3, N044
20TANK2001	TANK 2001	46396, PSDTX1073M3, N044

### 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**
20TANK2002	TANK 2002	46396, PSDTX1073M3, N044
20TANK2003	TANK 2003	46396, PSDTX1073M3, N044
22BZNTKFLR	BENZENE TANK ENCLOSED GROUND FLARE (22M-808)	46396, PSDTX1073M3, N044
22BZNTKFUG	BENZENE TANK (808, 809, 810) FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522, 176044], 106.262/11/01/2003 [168522, 176044]
22CRTNKFUG	CRUDE STORAGE TANK FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522, 176044], 106.262/11/01/2003 [168522, 176044]
22GOTKFUG	GAS OIL STORAGE TANK FUGITIVES	46396, PSDTX1073M3, N044
22OSFTKFUG	OSFL PIPING FUGITIVES FOR NGL SPHERES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [172400, 176044], 106.262/11/01/2003 [172400, 176044]
22TANK0316	TANK 316	46396, PSDTX1073M3, N044
22TANK0317	TANK 317	46396, PSDTX1073M3, N044
22TANK0441	TANK 441	46396, PSDTX1073M3, N044
22TANK0452	TANK 452	46396, PSDTX1073M3, N044
22TANK0453	TANK 453	46396, PSDTX1073M3, N044
22TANK0454	TANK 454	46396, PSDTX1073M3, N044
22TANK0455	TANK 455	46396, PSDTX1073M3, N044
22TANK0475	TANK 475	46396, PSDTX1073M3, N044
22TANK0476	TANK 476	46396, PSDTX1073M3, N044
22TANK0477	TANK 477	46396, PSDTX1073M3, N044

**New Source Review Authorization References by Emissions Unit**

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
22TANK0478	TANK 478	46396, PSDTX1073M3, N044
22TANK0479	TANK 479	46396, PSDTX1073M3, N044
22TANK0480	TANK 480	46396, PSDTX1073M3, N044
22TANK0481	TANK 481	46396, PSDTX1073M3, N044
22TANK0482	TANK 482	46396, PSDTX1073M3, N044
22TANK0484	TANK 484	46396, PSDTX1073M3, N044, 106.478/03/14/1997 [35330]
22TANK0502	TANK 502	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [173715], 106.262/11/01/2003 [173715], 106.478/09/04/2000 [173715]
22TANK0503	WATER DRAW COLLECTION TANK	46396, PSDTX1073M3, N044
22TANK0506	TANK 506	46396, PSDTX1073M3, N044
22TANK0516	TANK 516	46396, PSDTX1073M3, N044
22TANK0517	TANK 517	46396, PSDTX1073M3, N044
22TANK0522	TANK 522	46396, PSDTX1073M3, N044
22TANK0524	TANK 524	46396, PSDTX1073M3, N044
22TANK0525	TANK 525	46396, PSDTX1073M3, N044
22TANK0526	TANK 526	46396, PSDTX1073M3, N044
22TANK0530	TANK 530	46396, PSDTX1073M3, N044
22TANK0531	TANK 531	46396, PSDTX1073M3, N044
22TANK0532	TANK 532	46396, PSDTX1073M3, N044
22TANK0536	TANK 536	46396, PSDTX1073M3, N044



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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
22TANK0537	TANK 537	46396, PSDTX1073M3, N044
22TANK0538	TANK 538	46396, PSDTX1073M3, N044
22TANK0540	WATER DRAW COLLECTION TANK	46396, PSDTX1073M3, N044
22TANK0541	TANK 541	46396, PSDTX1073M3, N044
22TANK0545	TANK 545	46396, PSDTX1073M3, N044
22TANK0558	TANK 558	46396, PSDTX1073M3, N044
22TANK0559	TANK 559	46396, PSDTX1073M3, N044
22TANK0560	TANK 560	46396, PSDTX1073M3, N044
22TANK0561	TANK 561	46396, PSDTX1073M3, N044
22TANK0562	TANK 562	46396, PSDTX1073M3, N044
22TANK0563	TANK 563	46396, PSDTX1073M3, N044
22TANK0572	TANK 572	46396, PSDTX1073M3, N044
22TANK0574	TANK 574	46396, PSDTX1073M3, N044
22TANK0586	TANK 586	46396, PSDTX1073M3, N044
22TANK0587	TANK 587	46396, PSDTX1073M3, N044
22TANK0588	TANK 588	46396, PSDTX1073M3, N044
22TANK0589	TANK 589	46396, PSDTX1073M3, N044
22TANK0591	TANK 591	46396, PSDTX1073M3, N044
22TANK0597	TANK 597	46396, PSDTX1073M3, N044
22TANK0598	TANK 598	46396, PSDTX1073M3, N044
22TANK0599	TANK 599	46396, PSDTX1073M3, N044

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
22TANK0650	TANK 650	46396, PSDTX1073M3, N044
22TANK0651	TANK 651	46396, PSDTX1073M3, N044
22TANK0800	RAW CONDENSATE TANK	46396, PSDTX1073M3, N044
22TANK0801	RAW CONDENSATE TANK	46396, PSDTX1073M3, N044
22TANK0802	RAW CONDENSATE TANK	46396, PSDTX1073M3, N044
22TANK0805	RAW CONDENSATE TANK	46396, PSDTX1073M3, N044
22TANK0807	OFF SPEC GASOLINE TANK	46396, 166674, PSDTX1073M3, N044, 106.478/09/04/2000 [166855]
22TANK0808	BENZENE TANK	46396, PSDTX1073M3, N044
22TANK0809	BENZENE TANK	46396, PSDTX1073M3, N044
22TANK0810	BENZENE TANK	46396, PSDTX1073M3, N044
22TANK0811	TOLUENE TANK	46396, PSDTX1073M3, N044
22TANK0812	TOLUENE TANK	46396, PSDTX1073M3, N044
22TANK0813	TOLUENE TANK	46396, PSDTX1073M3, N044
22TANK0814	ISO-OCTANE TANK	46396, PSDTX1073M3, N044
22TANK0815	ISO-OCTANE TANK	46396, PSDTX1073M3, N044
22TANK0902	TANK 902	46396, PSDTX1073M3, N044
22TANK0906	TANK 906	46396, PSDTX1073M3, N044
22TANK0907	TANK 907	46396, PSDTX1073M3, N044
22TANK0909	TANK 909	46396, PSDTX1073M3, N044
22TANK0910	TANK 910	46396, PSDTX1073M3, N044

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
22TANK0913	TANK 913	46396, PSDTX1073M3, N044
22TANK0917	TANK 917	46396, PSDTX1073M3, N044
22TANK0918	TANK 918	46396, PSDTX1073M3, N044
22TANK0921	TANK 921	46396, PSDTX1073M3, N044
22TANK0922	TANK 922	46396, PSDTX1073M3, N044
22TANK0924	TANK 924	46396, PSDTX1073M3, N044
22TANK0925	TANK 925	46396, PSDTX1073M3, N044
22TANK0926	TANK 926	46396, PSDTX1073M3, N044
22TANK0933	TANK 933	46396, PSDTX1073M3, N044
22TANK0934	TANK 934	46396, PSDTX1073M3, N044
22TANK0938	TANK 938	46396, PSDTX1073M3, N044
22TANK0939	TANK 939	46396, PSDTX1073M3, N044
22TANK0940	TANK 940	46396, PSDTX1073M3, N044
22TANK0948	TANK 948	46396, PSDTX1073M3, N044
22TANK0960	TANK 960	46396, PSDTX1073M3, N044
22TK926FLR	TANK 926 FLARE (FORMERLY 22FLAR-926)	46396, PSDTX1073M3, N044
22TKDCPFUG	DCP FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [172400], 106.262/11/01/2003 [172400]
22TKFMFUGS	TANK FARM FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522, 176044], 106.262/11/01/2003 [168522, 176044]
25SRU4PCV	SRU 4 PROCESS VENT	46396, PSDTX1073M3, N044

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
25SRUINCIN	SRU 4 TAIL GAS INCINERATOR	46396, PSDTX1073M3, N044
28LPGFUGS	LPG PROCESS FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [163516, 168522, 172400, 176044], 106.262/11/01/2003 [163516, 168522, 172400, 176044]
28LPGLOAD	LPG LOADING	46396, PSDTX1073M3, N044
30CKRFUGS	CU FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522], 106.262/11/01/2003 [168522]
30CKRHTR1	CU - HEATER 1	46396, PSDTX1073M3, N044
30CKRHTR2	CU - HEATER 2	46396, PSDTX1073M3, N044
30DCPCT1	DCP COOLING TOWER	46396, PSDTX1073M3, N044
30EASTFLARE	DCP FLARE	46396, PSDTX1073M3, N044
30EASTFLARE-VT	EAST FLARE VT	46396, PSDTX1073M3, N044
31KNHTHFUGS	KNHT FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522, 172400, 176044], 106.262/11/01/2003 [168522, 172400, 176044]
31KNHTHTR	KNHT CHARGE HEATER	46396, PSDTX1073M3, N044
33SR2WWFUG	SWS2 FUGITIVES	46396, PSDTX1073M3, N044
33SRU3FUGS	SRU3 PROCESS FUGITIVES	46396, PSDTX1073M3, N044
33SRU3PCV	SRU 3 PROCESS VENT	46396, PSDTX1073M3, N044
34SRU4FUGS	SRU4/TGU4 FUGITIVES	46396, PSDTX1073M3, N044
35SRU5FUGS	SRU 5/TGU 5 FUGITIVES	46396, PSDTX1073M3, N044
36SRU5PCV	SRU 5 PROCESS VENT	46396, PSDTX1073M3, N044

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
36SRUINCIN	SRU 5 INCINERATOR	46396, PSDTX1073M3, N044
37SWS2FUGS	SWS2 FUGITIVES	46396, PSDTX1073M3, N044
37SWS2WWFG	SWS-2 WASTEWATER FUGITIVES	46396, PSDTX1073M3, N044
37TANK1002	TANK 1002	46396, PSDTX1073M3, N044
38SWS1FUGS	SWS1 FUGITIVES	46396, PSDTX1073M3, N044
38SWS1WWFG	SWS-1 WASTEWATER FUGITIVES	46396, PSDTX1073M3, N044
38TANK1000	TANK 1000	46396, PSDTX1073M3, N044
38TANK1001	TANK 1001	46396, PSDTX1073M3, N044
39SWS3FUGS	SWS-3 FUGITIVES	46396, PSDTX1073M3, N044
39SWTANK	TANK DCP SW	46396, PSDTX1073M3, N044
40ADDTANK2	ADDITIVE TANK	106.478/09/04/2000
40CSOWSCC	CONDENSATE SPLITTER OILY WATER SUMP CARBON BED	46396, PSDTX1073M3, N044
40CSPLTFUG	FUGITIVE EMISSIONS FROM CONDENSATE SPLITTER UNIT	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522, 172400, 176044], 106.262/11/01/2003 [168522, 172400, 176044]
40CSPLTH-1	SPLITTER HEATER	46396, PSDTX1073M3, N044
40CSWWFUG	CONDENSATE SPLITTER WASTEWATER FUGITIVES	46396, PSDTX1073M3, N044
41NORTHFLR	NORTH FLARE	46396, PSDTX1073M3, N044
41NORTHFLR-VT	NORTH FLARE VT	46396, PSDTX1073M3, N044
42FGTFUGS	ARU-2 FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522, 176044], 106.262/11/01/2003 [168522, 176044]

**New Source Review Authorization References by Emissions Unit**

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
43DHT3CHTR	DHT-3 CHARGE	46396, PSDTX1073M3, N044
43DHT3FUGS	DHT-3 FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522], 106.262/11/01/2003 [168522]
45DOCK1FUG	MARINE TERMINAL DOCK 1 FUGITIVES	46396, PSDTX1073M3, N044
45DOCK1PCV	MARINE TERMINAL DOCK 1 LOADING	46396, PSDTX1073M3, N044
45DOCK2FUG	MARINE TERMINAL DOCK 2 FUGITIVES	46396, PSDTX1073M3, N044
45DOCK2PCV	MARINE TERMINAL DOCK 2 LOADING	46396, PSDTX1073M3, N044
45DOCK3FUG	MARINE TERMINAL DOCK 3 FUGITIVES	46396, PSDTX1073M3, N044
45DOCK3PCV	MARINE TERMINAL DOCK 3 LOADING/CONTROLLED	46396, PSDTX1073M3, N044
45DOCK45V1	DOCK DRAINBACK COLLECTION TANK	46396, PSDTX1073M3, N044
45DOCK45V2	DOCK DRAINBACK COLLECTION TANK	46396, PSDTX1073M3, N044
45DOCK45V3	DOCK DRAINBACK COLLECTION TANK	46396, PSDTX1073M3, N044
45DOCKTO1	MARINE TERMINAL OXIDIZER 1	46396, PSDTX1073M3, N044
45DOCKTO2	MARINE TERMINAL OXIDIZER 2	46396, PSDTX1073M3, N044
45DOCKV104	DOCK 2 DRAINBACK COLLECTION TANK	46396, PSDTX1073M3, N044
45TANK0474	DOCK WASTEWATER TANK	46396, PSDTX1073M3, N044
47SWS4FUGS	SWS-4 FUGITIVES	46396, PSDTX1073M3, N044
50BZNTKFLR	BENZENE TANK ENCLOSED GROUND FLARE (22FLAR-928)	46396, PSDTX1073M3, N044
50TANK0928	TANK 928	46396, PSDTX1073M3, N044
50TANK0929	TANK 929	46396, PSDTX1073M3, N044
50TANK0930	TANK 930	46396, PSDTX1073M3, N044

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
50TDPFUGS	TDP PROCESS FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [176044], 106.262/11/01/2003 [176044]
50TDPH-1	TDP HEATER 50H-1	46396, PSDTX1073M3, N044
51DHT1FUGS	DHT1 PROCESS FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [172400, 176044], 106.262/11/01/2003 [172400, 176044]
51DHT1H-1	DHT1 CHARGE HEATER 51H-1	46396, PSDTX1073M3, N044
51DHT1H-3	DHT STRIPPER REBOILER 51H-3	46396, PSDTX1073M3, N044
52DHT2FUGS	DHT2 PROCESS FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522, 172400, 176044], 106.262/11/01/2003 [168522, 172400, 176044]
52DHT2H-1	DHT2 CHARGE HEATER 52H-1	46396, PSDTX1073M3, N044
52DHT2H-2	DHT2 FLORIDA HEATER 52H-2	46396, PSDTX1073M3, N044
52FLORPWCC	FLORIDA UNIT (MHC) SUMP	46396, PSDTX1073M3, N044
52FLWWFUG	FLORIDA UNIT WASTEWATER FUGITIVES	46396, PSDTX1073M3, N044
53MIDFLARE	MIDDLE FLARE	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [172132]
53MIDFLARE-VT	MID FLARE VT	46396, PSDTX1073M3, N044
53SOUTHFLR	SOUTH FLARE	46396, 173485, PSDTX1073M3, N044, 106.261/11/01/2003 [172132]
53SOUTHFLR-VT	SOUTH FLARE VT	46396, PSDTX1073M3, N044
55ADDTANK	ADDITIVE TANK	106.478/09/04/2000
55FCCUFUGS	FCCU PROCESS FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522, 172400, 176044], 106.262/11/01/2003

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
		[168522, 172400, 176044]
55FCCURFGS	REFORMER REGENERATION VENT	46396, PSDTX1073M3, N044
55FCCWWFUG	FCCU PROCESS WASTEWATER FUGITIVES	46396, PSDTX1073M3, N044
55JETTRFUG	JET TREATER FUGITIVES	46396, PSDTX1073M3, N044
55OFFGSFUG	FCCU OFFGAS PROCESS FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522, 172400, 176044], 106.262/11/01/2003 [168522, 172400, 176044]
55REGENPCV	FCCU REGENERATOR STACK	46396, PSDTX1073M3, N044
58GSHDSFUG	LSG HYDROTREATER FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [172400, 176044], 106.262/11/01/2003 [172400, 176044]
58GSUDSFUG	FCC NAPHTHA HDS COOLING TOWER	46396, PSDTX1073M3, N044
60ADDTANK	ADDITIVE TANK	106.478/09/04/2000
60CGNPWCC	COGEN UNIT PROCESS WATER SUMP CARBON BED	46396, PSDTX1073M3, N044
60CGNSWCC	COGEN UNIT STORM WATER SUMP CARBON BED	46396, PSDTX1073M3, N044
60CGWWFUG	COGENERATION WASTEWATER FUGITIVES	46396, PSDTX1073M3, N044
60COGENBRN	COGEN DUCT-FIRED BURNER	46396, PSDTX1073M3, N044
60COGENCT	COGEN UNIT COOLING TOWER	46396, PSDTX1073M3, N044
60COGENFUG	COGEN PROCESS FUGITIVES	46396, PSDTX1073M3, N044
60COGENSTK	COGEN TURBINE	46396, PSDTX1073M3, N044
60COGENTRB	COGEN TURBINE	46396, PSDTX1073M3, N044
61BLR99FUG	PACKAGE BOILERS FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003



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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
		[168522, 172400], 106.262/11/01/2003 [168522, 172400]
61BLRH300	PACKAGE BOILER H-300	46396, PSDTX1073M3, N044
61BLRH350	PACKAGE BOILER H-350	46396, PSDTX1073M3, N044
67805CLTWR	805 COOLING TOWER	46396, PSDTX1073M3, N044
67C200AFUG	C-200A PROCESS FUGITIVES	46396, PSDTX1073M3, N044
67C200FUGS	C-200 PROCESS FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [176044], 106.262/11/01/2003 [176044]
67C200WWFG	C-200 AREA WASTEWATER FUGITIVES	46396, PSDTX1073M3, N044
67COGENCT	COGEN COOLING TOWER	46396, PSDTX1073M3, N044
67EQTK401A	WASTEWATER EQUALIZATION TANK A	46396, PSDTX1073M3, N044
67EQTK401B	WASTEWATER EQUALIZATION TANK B	46396, PSDTX1073M3, N044
67FPMCLTWR	FPM COOLING TOWER	46396, PSDTX1073M3, N044
67NBPCC	NORTH BARREL PUMP SUMP CARBON BED	46396, PSDTX1073M3, N044
67NCPI	NORTH CORRUGATED PLATE INTERCEPTOR	46396, PSDTX1073M3, N044
67NCPISOT	NORTH CPI SKIM OIL TANK	46396, PSDTX1073M3, N044
67NESHAPIA	BENZENE NESHAP API SEPARATOR A	46396, PSDTX1073M3, N044
67NESHAPIB	BENZENE NESHAP API SEPARATOR B	46396, PSDTX1073M3, N044
67NORTHCT	NORTH COOLING TOWER	46396, PSDTX1073M3, N044
67NSWCC	NORTH STORM WATER SUMP CARBON BED	46396, PSDTX1073M3, N044
67PHADJCC	PH ADJUSTMENT/SPLITTER TANK (TK-402)	46396, PSDTX1073M3, N044

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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**
67SBPCC	SOUTH BARREL PUMP SUMP CARBON BED	46396, PSDTX1073M3, N044
67SCALCC	CONTRACT SCALFUEL DEWATERING CARBON BED	46396, PSDTX1073M3, N044
67SCPI	SOUTH CORRUGATED PLATE INTERCEPTOR	46396, PSDTX1073M3, N044
67SSWCC	SOUTH STORM WATER SUMP CARBON BED	46396, PSDTX1073M3, N044
67TANK0401C	TANK 401C	46396, PSDTX1073M3, N044
67TANK0504	RECOVERED OIL RERUN TANK	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [173715], 106.262/11/01/2003 [173715], 106.478/09/04/2000 [173715]
67TANK0505	NESHAP PROCESS WATER TANK	46396, PSDTX1073M3, N044
67TANK0595	RECOVERED OIL TANK	46396, PSDTX1073M3, N044
67TANK0596	RECOVERED OIL TANK	46396, PSDTX1073M3, N044
67TANK0636	INTERMITTENT USE SLOP TANK	46396, PSDTX1073M3, N044
67TANK0651	IGF EFFLUENT TANK	106.261/11/01/2003 [172132], 106.478/09/04/2000 [172132]
67TANK0660	ISF FLOAT TANK	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [166287], 106.472/09/04/2000 [166287]
67TANK0681	SPENT MERICHEM CAUSTIC TANK	46396, PSDTX1073M3, N044
67TANK0682	CATALYST SLURRY TANK	46396, PSDTX1073M3, N044
67TANK0905	NESHAP RECOVERED OIL TANK	46396, PSDTX1073M3, N044
67TANK0927	NORTH STORM WATER TANK	46396, PSDTX1073M3, N044
67TANK500A	SOUTH STORM WATER IMPOUNDMENT TANK	46396, PSDTX1073M3, N044
67TANK500B	SOUTH STORM WATER IMPOUNDMENT TANK	46396, PSDTX1073M3, N044

**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**
67TANK500C	TANK 500C	46396, PSDTX1073M3, N044
75LABCC	LABORATORY SUMP CARBON BED	46396, PSDTX1073M3, N044
ASPHALTPRO	ASPHALT PRODUCTION PLANT	46396, PSDTX1073M3, N044
COKEPILE	COKEPILE	106.261/11/01/2003 [159672]
DEGREASERS	DEGREASERS	106.454/11/01/2001
ENG-02	FIREWATER PUMP ON 32ND STREET OUTSIDE REFINERY	106.512/06/13/2001
ENG-03	EMERGENCY DOCK FIREWATER PUMP	106.512/06/13/2001
ENG-04	EMERGENCY BOAT CANAL FIREWATER PUMP (WEST)	106.512/06/13/2001
ENG-05	EMERGENCY BOAT CANAL FIREWATER PUMP (EAST)	106.512/06/13/2001
ENG-06	COGEN P11D ON 32ND STREET	106.512/06/13/2001
ENG-07	EMERGENCY GENERATOR FOR GUARD HOUSE	106.512/06/13/2001
ENG-08	EMERGENCY GENERATOR FOR ADMIN BLDG	106.512/06/13/2001
ENG-09	EMERGENCY GENERATOR FOR SUBSTATION AA	106.512/06/13/2001
ENG-10	EMERGENCY GENERATOR FOR CENTRAL CONTROL	106.512/06/13/2001
ENG-11	NAC SPARE DIESEL DRIVEN AIR COMPRESSOR #1	106.512/06/13/2001
ENG-12	NAC SPARE DIESEL DRIVEN AIR COMPRESSOR #2	106.512/06/13/2001
ENG-15	BACKUP AIR COMPRESSOR AT OLD WAREHOUSE	106.512/06/13/2001
ENG-16	PORTABLE INSTRUMENT AIR COMPRESSOR (DHT-3)	106.512/06/13/2001
ENG-17	PWTC RENTAL PUMP FOR TANK 595/596/504 (EAST)	106.512/06/13/2001
ENG-18	PWTC RENTAL PUMP FOR TANK 595/596/504 (WEST)	106.512/06/13/2001
ENG-19	PWTC RENTAL PUMP FOR TANK 905	106.512/06/13/2001

**New Source Review Authorization References by Emissions Unit**

The following is a list of New Source Review (NSR) authorizations for emission units. 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**
ENG-20	PWTC RENTAL PUMP FOR AT BLOWDOWN DRUM	106.512/06/13/2001
ENG-21	FIREWATER PUMP - SOUTH FIRE & SAFETY BLDG. INSIDE	106.511/09/04/2000
ENG-22	FIREWATER PUMP - WEST OF FIRE & SAFETY BLDG.	106.511/09/04/2000
FUELGAS	FUELGAS	46396, PSDTX1073M3, N044
H-400	PACKAGE BOILER H-400	154201
NESHAPSFUG	BENZENE NESHAP PRETREATMENT UNIT EQPT FUG	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [172132, 176044], 106.262/11/01/2003 [176044]
NPWSFUG	NORTH PWS EQUIPMENT FUGITIVES	46396, PSDTX1073M3, N044
PRO-BTX	SULFOLANE/BTX UNIT	46396, PSDTX1073M3, N044
PRO-EBU	ENHANCED BIODEGRADATION PROCESS	46396, PSDTX1073M3, N044
PRO-TDP	TOLUENE DISPROPTIONATION UNIT	46396, PSDTX1073M3, N044
PROSRU1&3	SULFUR RECOVERY UNITS 1 & 3	46396, PSDTX1073M3, N044
PROSRU4-5	SULFUR RECOVERY UNITS 4 AND 5	46396, PSDTX1073M3, N044
RECOILFUG	RECOVERED OIL SYSTEM EQUIPMENT FUGITIVES	46396, PSDTX1073M3, N044, 106.261/11/01/2003 [168522, 172400], 106.262/11/01/2003 [168522, 172400]
SMALLTK	SMALL TANKS	106.472/03/14/1997, 106.472/09/04/2000
SOLIDLIQFUG	SCALFEED FUGITIVES	46396, PSDTX1073M3, N044
SPWSFUG	SOUTH PWS EQUIPMENT FUGITIVES	46396, PSDTX1073M3, N044
TEMPBOFUGS	TEMPORARY BOILER FUGITIVES	118073
TEMPBOIV1	TEMPORARY BOILER	118073
TEMPBOIV2	TEMPORARY BOILER	118073

**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.

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization**</b>
TKAS2000	AS-2000	46396, PSDTX1073M3, N044

\*\*This column may include Permit by Rule (PBR) numbers and version dates, PBR Registration numbers in brackets, Standard Permit Registration numbers, Minor NSR permit numbers, and Major NSR permit numbers.

**Schedules**

**Compliance Schedule..... 509**

## Compliance Schedule

<b>A. Compliance Schedule</b>				
<b>1. Specific Non-Compliance Situation</b>				
Unit/Group/ Process ID. No(s).	SOP Index No.	Pollutant	Applicable Requirement	
			Citation	Text Description
Sitewide	N.A.	112(B) HAPS, BENZENE	30 TAC 116.115(c)	NSR conditions. Equipment standards - 40 CFR 61.340, 40 CFR 61.342 - 349, 40 CFR 61.351, 40 CFR 61.356, 40 CFR 61.357, 40 CFR 60.697 - 698, 60.692 - 693, 40 CFR 63.647, 40 CFR 63.655
<b>2. Compliance Status Assessment Method and Records Location</b>				
Compliance Status Assessment Method			Location of Records/Documentation	
Citation	Text Description			
30 TAC 116.115(c)	NSR conditions. Equipment standards - 40 CFR 61.340, 40 CFR 61.342 - 349, 40 CFR 61.351, 40 CFR 61.356, 40 CFR 61.357, 40 CFR 60.697 - 698, 60.692 - 693, 40 CFR 63.647, 40 CFR 63.655		Onsite Environmental Files.	
<b>3. Non-compliance Situation Description</b>				
Under TCEQ Voluntary Audit 1873218, elevated benzene and/or VOC readings have been identified from various waste management units and components used in the handling, storage, treatment, and/or disposal of wastewater indicating that some equipment or components are not equipped with adequate controls. Available documentation of controlled systems could not be located for all systems. The waste stream point of generation accounting needs to be revised.				
<b>4. Corrective Action Plan Description</b>				
Complete engineering and documentation review and implement changes.				
<b>5. List of Activities/Milestones to Implement the Corrective Action Plan</b>				
1	Complete wastewater and point of generation documentation review - 05/30/2025. Complete controlled system documentation for control devices - 06/30/2026. Complete detailed engineering and equipment installation - 08/30/2029.			
6. Previously Submitted Compliance Plan(s)		Type of Action		Date Submitted
N.A.				N/A
7. Progress Report Submission Schedule		Semi-annually with deviation report.		

## Compliance Schedule

<b>A. Compliance Schedule</b>				
<b>1. Specific Non-Compliance Situation</b>				
Unit/Group/ Process ID. No(s).	SOP Index No.	Pollutant	Applicable Requirement	
			Citation	Text Description
Waste management units associated with the BWON and NSPS QQQ collection and or treatment	N.A.	VOC, HAPS	30 TAC 122.142(b)(2)	Title V Permit Content
<b>2. Compliance Status Assessment Method and Records Location</b>				
Compliance Status Assessment Method			Location of Records/Documentation	
Citation	Text Description			
30 TAC 122.142(b)(2)	Title V Permit Content		Onsite Environmental Files	
<b>3. Non-compliance Situation Description</b>				
Under TCEQ Voluntary Audit 1873218, it was identified that Title V Permit does not identify all regulatory applicability for existing equipment and waste management units associated with the BWON and NSPS QQQ collection and or treatment.				
<b>4. Corrective Action Plan Description</b>				
Submit permit action to revise Title V representations for existing equipment and waste management units.				
<b>5. List of Activities/Milestones to Implement the Corrective Action Plan</b>				
1	Submit Title V permit minor revision to include existing equipment and waste management units associated with the BWON and NSPS QQQ collection and treatment system - 06/30/2025.			
6. Previously Submitted Compliance Plan(s)		Type of Action		Date Submitted
N.A.		N.A.		N/A
7. Progress Report Submission Schedule			Semi-annually with deviation report.	



## Compliance Schedule

<b>A. Compliance Schedule</b>				
<b>1. Specific Non-Compliance Situation</b>				
Unit/Group/ Process ID. No(s).	SOP Index No.	Pollutant	Applicable Requirement	
			Citation	Text Description
55RGNFLUGS, 55REGENPCV	N.A.	H2SO4	30 TAC 116.115(c)	NSR conditions - 30 TAC 116.115(c) and SC 1 of NSR Permit 46396.
<b>2. Compliance Status Assessment Method and Records Location</b>				
Compliance Status Assessment Method			Location of Records/Documentation	
Citation	Text Description			
30 TAC 116.115(c)	NSR conditions - 30 TAC 116.115(c) and SC 1 of NSR Permit 46396.		Onsite Environmental Files.	
<b>3. Non-compliance Situation Description</b>				
Special Condition 89 of NSR Permit 46396 required that the fluid catalytic cracker unit (FCCU) to be tested for H2SO4. During the H2SO4 stack testing, the fluid catalytic cracker (FCC) stack emitted H2SO4. The FCCU is not authorized for this contaminant on the Maximum Achievable Emission Rate Table (MAERT).				
<b>4. Corrective Action Plan Description</b>				
Submit a permit amendment.				
<b>5. List of Activities/Milestones to Implement the Corrective Action Plan</b>				
1	Submit NSR permit amendment - 12/15/2025.			
6. Previously Submitted Compliance Plan(s)		Type of Action		Date Submitted
		N.A.		N/A
7. Progress Report Submission Schedule		Semi-annually with deviation report.		

**Alternative Requirement**

**Alternative Requirement..... 513**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 REGION 4  
 1445 ROSS AVENUE, SUITE 1200  
 DALLAS, TEXAS 75201-2002

JUN 3 1991

Mr. Mark Lowing  
 Fina Oil and Chemical Company  
 Balcones Plant  
 P.O. Box 849  
 Port Arthur, Texas 77640

Dear Mr. Lowing:

This is in response to your December 14, 1990, letter submitted to the Texas Air Control Board (TACB) requesting approval of an alternative to the Continuous Opacity Monitoring System (COMS) requirement of 40 CFR 60, Subpart J, Section 60.105(a)(1). This request was referred to EPA for approval.

The following continuous parameter monitoring protocol is approved as an alternative to the COMS required by 40 CFR 60 Subpart J, Section 60.105(a)(1):

1. Fina shall continuously monitor and record:
  - the pressure drop across the wet gas scrubber (WGS),
  - the scrubber liquid to gas ratio (L/G), and
  - the effluent temperature immediately downstream of the demister section of the control device.
2. Fina is required to determine when excess emissions occur and to submit quarterly reports of those excess emissions.
3. The baseline values of the operating parameters identified in Special Condition 1 shall be established during the performance test required per Special Provision 7, in Permit No. PSD-TX-762.
4. For the purposes of reporting excess emissions pursuant to Special Condition No. 3, excess emissions are defined as any three-hour period during which any operating parameter is less than the baseline value established pursuant to Condition 3, above.

2078 05/21/96  
 078

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 010000 010000 0000 010000 010000

This approval is limited to Fina Oil and Chemical's implementing the above conditions and following the requirements of the construction permit, PSD-TX-742, for FCCU-2. If you have any questions regarding this matter, please contact Joyce Stubblerfield, Texas Enforcement Project Officer, at (214) 655-7229.

Sincerely yours,

  
A. Stanley Weiburg  
Director  
Air, Pesticides & Toxics Division (6T)

cc: Robert Brewer  
Director  
Quality Assurance Division

William G. Laxton  
Director  
Technical Support Division (MD-14)

38901876 F.B.I.

06/05/1991 15:03 FROM EPA AIR PESTI & TOX. DIV. TO



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6  
1446 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

APR 23 2004

Mr. Eric Miller  
Health, Safety and Environmental Manager  
Atofina  
Port Arthur Complex  
Port Arthur, TX 77641



Re: Request for Approval - Alternate Monitoring Plan,  
New Source Performance Standards (NSPS)  
40 CFR Part 60, Subpart J

Dear Mr. Miller:

This letter is in response to your request for approval of an alternative monitoring plan (AMP), dated November 19, 2003. You stated in your AMP request that you are seeking approval of the use of certain recordkeeping and reporting requirements as an alternative to the monitoring in NSPS Part 60, Subpart J. You submitted several requests, however this letter specifically addresses the vent gases to flares that control vapors from the benzene storage tanks AMP request. These flares are located at the Port Arthur, TX facility, owned and operated by Atofina Petrochemicals, Inc. ("Atofina").

Your AMP request letter, dated October 23, 2003, indicated that the following flares are refinery fuel gas combustion devices that combust the following vent gas streams from the listed benzene storage tanks.

Vent gas from Tanks 808-810 to the 22M-808 Flare  
Vent Gas from Tank 926 to the 22FLAR-926 Flare  
Vent Gas from Tanks 928-930 to the 22FLAR-928 Flare

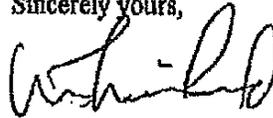
You stated that the benzene stored in these tanks is subject to a product specification of less than 1 ppm total sulfur. The vent gases collected from these tanks will therefore have similarly low sulfur concentrations. A copper corrosion test reading is performed on each tank of benzene prior to sale. The vent gases from these tanks may be mixed with pipeline quality natural gas to maintain combustibility. The three flares listed above are flares dedicated to control benzene tank vapors. You supplied information relating to the specifications of the supplied natural gas, P&ID drawings for the benzene tanks vent gas and natural gas piping to the flare, and fourteen sample analysis which indicated that the average concentration for H<sub>2</sub>S was less than 0.5 ppm. You also stated that there are no crossover or entry points for sour gas to be introduced to the vent gas systems.

Based on the information that you submitted, and the conditions stipulated in EPA policy guidance to Koch fuel, dated July 7, 2000, EPA Region 6 has determined that the above listed vent gas streams meet the requirements of the policy for one time monitoring for H<sub>2</sub>S. Pursuant to 40 CFR 60.13(l), EPA approves your request that no CEM need be installed for the purpose of monitoring the H<sub>2</sub>S in the above listed vent gas streams. Policy guidance also specifies that if the gas stream composition changes, or if the gas stream is no longer required to meet pipeline or product specifications, this approval is withdrawn and the gas stream must be resubmitted for approval.

This approval of an AMP is based on the information submitted to EPA Region 6 on November 19, 2003. If any information is found that would reverse this determination, then it would become invalid and a new determination would be needed. If any fuel other than the fuel gas streams detailed in this letter are fired in the flare, then this approval would become invalid.

If you have any questions concerning this determination, please contact Ms. Anupa Ahuja of my staff at (214) 665-2701.

Sincerely yours,



Mike Michaud  
Acting Chief  
Air/Toxics and Inspection  
Coordination Branch

cc: Stuart Mueller (TCEQ, Beaumont)

Bryan W. Shaw, Ph.D., P.E., *Chairman*  
Toby Baker, *Commissioner*  
Zak Covar, *Commissioner*  
Richard A. Hyde, P.E., *Executive Director*



RECEIVED  
MAR 03 2014

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
*Protecting Texas by Reducing and Preventing Pollution*

February 27, 2014

MS DOROTHY BARTOL  
HEALTH SAFETY SECURITY AND ENVIRONMENT MANAGER  
TOTAL PETROCHEMICALS & REFINING USA INC  
PO BOX 849  
PORT ARTHUR TX 77641-0849

Re: Request for Approval of Alternative Monitoring Procedure  
Total Petrochemicals & Refining USA, Inc. - Port Arthur Refinery  
Port Arthur, Jefferson County  
Regulated Entity Number: RN102457520  
Customer Reference Number: CN600582399  
Account Number: JE-0005-H

Dear Ms. Bartol:

This is in response to your letter received January 2, 2014, requesting approval for an alternative means of monitoring to demonstrate compliance with the visual inspection procedures required during marine tank vessel loading operations in accordance with 40 Code of Federal Regulations § 63.564(b)(3) [40 CFR § 63.564(b)(3)]. We understand that each valve in the refinery's marine terminal vapor collection system that would route displaced vapors to the atmosphere, either directly or indirectly, is closed during marine tank vessel loading operations either by using a car seal or a lock-and-key type configuration, or the by-pass line from the valve is equipped with a flow indicator, except for those valves used for pressure/vacuum relief, analyzers, instrumentation devices, sampling, and venting for maintenance. Further, we understand that marine tank vessel loading operations are not being performed with open by-pass lines. These procedures satisfy the requirements of 40 CFR § 63.563(a)(1).

We understand that you propose to visually inspect the seal or closure mechanism for the car seals listed in your application, associated with marine terminal thermal oxidizers once each calendar day in lieu of the requirements in 40 CFR § 63.564(b)(3), which requires visual inspection of the seal or closure mechanism once during each marine tank vessel loading operation and at least once a month. We understand the reason for this request is due to physical constraints and safety concerns that occur when monitoring in accordance with the frequency that the rule requires.

Our technical staff conducted a review of the proposed alternative monitoring procedures for the closed vent system to be conducted in lieu of the requirements of 40 CFR § 63.564(b)(3). Based on that review, we believe that the proposed alternate method meets the requirements of 40 CFR § 63.8(f)(4)(ii), regarding requirements for alternative monitoring procedures. We believe that this request is classified as an intermediate change to monitoring as defined in 40 CFR § 63.90(a).

P.O. Box 13087 • Austin, Texas 78711-3087 • 512-239-1000 • [teeq.texas.gov](http://teeq.texas.gov)

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Renewal- Proposed Page 517

Ms. Dorothy Bartol  
Page 2  
February 27, 2014

Re: Alternate Monitoring Procedure

In accordance with 30 TAC §113.300, and 40 CFR § 63.8(f)(1), the Executive Director hereby approves this method of alternative monitoring as requested.

Please ensure that this alternate monitoring procedure is addressed in Title V Operating Permit O1267 prior to operating in accordance with the newly approved procedure.

Your cooperation in this matter is appreciated. If you need further information or have any questions, please contact Mr. Daniel Guthrie at (512) 239-1319 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality.

Sincerely,



Michael Wilson, P.E., Director  
Air Permits Division  
Office of Air  
Texas Commission on Environmental Quality

MPW/dg

Enclosure

cc: Air Section Manager, Region 10 - Beaumont  
Air Permits Section Chief, New Source Review, Section (6PD-R), U.S. Environmental  
Protection Agency, Region 6, Dallas

Project Number: 204342



**Appendix A**

**Acronym List ..... 520**

## 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 ..... 522**

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
FLARECAP	North Flare Middle Flare South Flare East Flare	NO <sub>x</sub>	33.00	30.09	3, 5, 8, 87	3, 5, 8, 86, 87, 98	3, 5
		CO	226.90	159.53			
		SO <sub>2</sub>	10.67	9.93			
		VOC	529.58	310.41			
		H <sub>2</sub> S	0.13	0.12			
<b>Heater / Boilers</b>							
01ACU1H101	ACU No. 1 Heater H-101	NO <sub>x</sub>	5.80	25.40	3, 5, 8, 10, 89, 93	3, 5, 8, 10, 69, 86, 89, 93, 98	3, 5, 89, 93, 99
		CO	5.80	25.40			
		SO <sub>2</sub>	3.83	6.82			
		VOC	0.76	3.35			
		PM	1.08	4.73			
		PM <sub>10</sub>	1.08	4.73			
		PM <sub>2.5</sub>	1.08	4.73			

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
01ACU1202A	ACU No. 1 Heater 202A	NO <sub>x</sub>	11.22	49.14	3, 5, 8, 10, 93	3, 5, 8, 10, 69, 86, 93, 98	3, 5, 93, 99
		CO	13.25	32.60			
		SO <sub>2</sub>	4.94	8.80			
		VOC	1.01	1.28			
		PM	1.39	6.10			
		PM <sub>10</sub>	1.39	6.10			
		PM <sub>2.5</sub>	1.39	6.10			
01ACU1202B	ACU No. 1 Heater 202B	NO <sub>x</sub>	11.22	49.14	3, 5, 8, 10, 93	3, 5, 8, 10, 69, 86, 93, 98	3, 5, 93, 99
		CO	13.25	32.60			
		SO <sub>2</sub>	4.94	8.80			
		VOC	1.01	1.28			
		PM	1.39	6.10			
		PM <sub>10</sub>	1.39	6.10			
		PM <sub>2.5</sub>	1.39	6.10			

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
01VACTH301	VDU No. 1 Heater H-301	NO <sub>x</sub>	3.15	13.80	3, 5, 8, 10, 93	3, 5, 8, 10, 69, 86, 93, 98	3, 5, 93, 99
		CO	4.20	18.40			
		SO <sub>2</sub>	4.58	12.85			
		VOC	0.55	2.42			
		PM	0.78	3.43			
		PM <sub>10</sub>	0.78	3.43			
		PM <sub>2.5</sub>	0.78	3.43			
02ACU2H201	ACU No. 2 Heater H-201	NO <sub>x</sub>	6.66	16.95	3, 5, 8, 10, 93	3, 5, 8, 10, 69, 86, 93, 98	3, 5, 93, 99
		CO	8.88	22.60			
		SO <sub>2</sub>	5.87	6.07			
		VOC	0.77	1.58			
		PM	1.37	2.82			
		PM <sub>10</sub>	1.37	2.82			
		PM <sub>2.5</sub>	1.37	2.82			

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
04BTXH-51	BTX Heater H-51	NO <sub>x</sub>	1.90	8.20	3, 5, 8, 10	3, 5, 8, 10, 86, 69, 98	3, 5
		CO	1.90	8.40			
		SO <sub>2</sub>	0.80	3.70			
		VOC	0.15	0.66			
		PM	0.40	1.90			
		PM <sub>10</sub>	0.40	1.90			
		PM <sub>2.5</sub>	0.40	1.90			
04BTXH-52	BTX Heater H-52	NO <sub>x</sub>	3.80	16.60	3, 5, 8, 10	3, 5, 8, 10, 86, 69, 98	3, 5
		CO	3.80	16.80			
		SO <sub>2</sub>	1.70	7.40			
		VOC	0.30	1.33			
		PM	0.90	3.80			
		PM <sub>10</sub>	0.90	3.80			
		PM <sub>2.5</sub>	0.90	3.80			

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
04BTXH-53	BTX Heater H-53	NO <sub>x</sub>	3.90	17.10	3, 5, 8, 10	3, 5, 8, 10, 86, 69, 98	3, 5
		CO	4.00	17.40			
		SO <sub>2</sub>	1.70	7.70			
		VOC	0.31	1.37			
		PM	0.90	3.90			
		PM <sub>10</sub>	0.90	3.90			
		PM <sub>2.5</sub>	0.90	3.90			
06VDU2CHTR	VDU No. 2 Heater	NO <sub>x</sub>	2.97	11.71	3, 5, 8, 10, 11, 89	3, 5, 8, 10, 11, 69, 86, 89, 98	3, 5, 89
		CO	6.89	13.64			
		SO <sub>2</sub>	2.37	4.39			
		VOC	0.52	2.06			
		PM	1.27	5.00			
		PM <sub>10</sub>	1.27	5.00			
		PM <sub>2.5</sub>	1.27	5.00			



**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
10DEMEXH-2	Demex Heater H-2	NO <sub>x</sub>	2.45	10.73	3, 5, 8, 10, 11, 89	3, 5, 8, 10, 11, 69, 86, 89, 98	3, 5, 89
		CO	4.87	10.71			
		SO <sub>2</sub>	1.68	3.45			
		VOC	0.38	1.65			
		PM	0.52	2.28			
		PM <sub>10</sub>	0.52	2.28			
		PM <sub>2.5</sub>	0.52	2.28			
10DEMEXH-4	Demex Heater H-4	NO <sub>x</sub>	3.43	15.02	3, 5, 8, 10, 11, 89	3, 5, 8, 10, 11, 69, 86, 89, 98	3, 5, 89
		CO	6.82	15.00			
		SO <sub>2</sub>	2.35	4.82			
		VOC	0.53	2.31			
		PM	0.73	3.20			
		PM <sub>10</sub>	0.73	3.20			
		PM <sub>2.5</sub>	0.73	3.20			

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
13UNIBH301	Unibon Heater H-301	NO <sub>x</sub>	3.00	13.14	3, 5, 8, 10, 93	3, 5, 8, 10, 69, 86, 93, 98	3, 5, 93, 99
		CO	4.00	17.52			
		SO <sub>2</sub>	2.64	4.70			
		VOC	0.58	2.53			
		PM	0.50	2.19			
		PM <sub>10</sub>	0.50	2.19			
		PM <sub>2.5</sub>	0.50	2.19			
17NHTHTRS	NHT Heaters	NO <sub>x</sub>	3.77	16.50	3, 5, 8, 10, 93	3, 5, 8, 10, 69, 86, 93, 98	3, 5, 93, 99
		CO	4.40	19.25			
		SO <sub>2</sub>	3.32	4.55			
		VOC	0.68	3.00			
		PM	0.94	4.14			
		PM <sub>10</sub>	0.94	4.14			
		PM <sub>2.5</sub>	0.94	4.14			

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
17REFHTRS	Reformer Heaters	NO <sub>x</sub>	14.85	65.04	3, 5, 8, 10	3, 5, 8, 10, 69, 86, 98	3, 5
		CO	15.75	68.99			
		SO <sub>2</sub>	11.90	16.28			
		VOC	2.43	10.60			
		PM	3.35	14.69			
		PM <sub>10</sub>	3.35	14.69			
		PM <sub>2.5</sub>	3.35	14.69			
30CKRHTR1	DCU Heater No. 1 (13)	NO <sub>x</sub>	2.11	8.33	3, 5, 8, 11, 62, 63, 89, 93	3, 5, 8, 11, 61, 62, 63, 69, 71, 86, 89, 93, 98	3, 5, 89, 93, 99
		NO <sub>x</sub> (MSS)	13.72	-			
		CO	14.68	26.33			
		SO <sub>2</sub>	5.06	8.49			
		VOC	1.11	3.87			
		PM	3.90	13.41			
		PM (MSS)	1.57	-			

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM <sub>10</sub>	3.90	13.41			
		PM <sub>10</sub> (MSS)	1.57	-			
		PM <sub>2.5</sub>	3.90	13.41			
		PM <sub>2.5</sub> (MSS)	1.57	-			
30CKRHTR2	DCU Heater No. 2 (13)	NO <sub>x</sub>	2.11	8.33	3, 5, 8, 11, 62, 63, 89, 93	3, 5, 8, 11, 61, 62, 63, 69, 71, 86, 89, 93, 98	3, 5, 89, 93, 99
		NO <sub>x</sub> (MSS)	13.72	-			
		CO	14.68	26.33			
		SO <sub>2</sub>	5.06	8.49			
		VOC	1.11	3.87			
		PM	1.57	5.48			
		PM <sub>10</sub>	1.57	5.48			
		PM <sub>2.5</sub>	1.57	5.48			
31KNHTHTR	KNHT Heater	NO <sub>x</sub>	1.26	1.38	3, 5, 8, 11, 89	3, 5, 8, 11, 69, 86, 89, 98	3, 5, 89
		CO	2.92	1.61			

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		SO <sub>2</sub>	1.01	0.52			
		VOC	0.22	0.24			
		PM	0.31	0.34			
		PM <sub>10</sub>	0.31	0.34			
		PM <sub>2.5</sub>	0.31	0.34			
40CSPLTH-1	Condensate Splitter Heater H-1	NO <sub>x</sub>	18.40	46.22	3, 5, 8, 10, 11, 89, 93	3, 5, 8, 10, 11, 69, 86, 89, 93, 98	3, 5, 89, 93, 99, 101
		CO	2.36	10.17			
		SO <sub>2</sub>	6.08	7.22			
		VOC	0.58	2.50			
		PM	4.02	16.67			
		PM <sub>10</sub>	4.02	16.67			
		PM <sub>2.5</sub>	4.02	16.67			
43DHT3CHTR	DHT-3 Heater (13)	NO <sub>x</sub>	2.25	7.23	3, 5, 8, 10, 11, 89	3, 5, 8, 10, 11, 69, 86, 89, 98	3, 5, 89
		CO	5.22	8.42			

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		CO (MSS)	3.50	-			
		SO <sub>2</sub>	1.80	2.71			
		VOC	0.40	1.27			
		PM	0.56	1.79			
		PM <sub>10</sub>	0.56	1.79			
		PM <sub>2.5</sub>	0.56	1.79			
50TDPH-1	TDP Heater H-1	NO <sub>x</sub>	3.90	10.95	3, 5, 8, 10	3, 5, 8, 10, 11, 69, 86, 98	3, 5
		CO	2.76	7.81			
		SO <sub>2</sub>	1.03	1.18			
		VOC	0.21	0.59			
		PM	0.29	0.82			
		PM <sub>10</sub>	0.29	0.82			
		PM <sub>2.5</sub>	0.29	0.82			
51DHT1H-1	DHT No. 1 Heater H-1	NO <sub>x</sub>	2.52	8.14	3, 5, 8, 10, 11, 89	3, 5, 8, 10, 11, 69, 86,	3, 5, 89

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		CO	4.46	14.41		89, 98	
		SO <sub>2</sub>	1.67	2.18			
		VOC	0.33	1.07			
		PM	1.07	3.45			
		PM <sub>10</sub>	1.07	3.45			
		PM <sub>2.5</sub>	1.07	3.45			
51DHT1H-3	DHT No. 1 Heater H-3	NO <sub>x</sub>	1.60	5.59	3, 5, 8, 10, 89	3, 5, 8, 10, 69, 86, 89, 98	3, 5, 89
		CO	3.23	11.23			
		SO <sub>2</sub>	1.20	1.72			
		VOC	0.24	0.84			
		PM	0.58	2.04			
		PM <sub>10</sub>	0.58	2.04			
		PM <sub>2.5</sub>	0.58	2.04			
52DHT2H-1	DHT No. 2 Heater H-1	NO <sub>x</sub>	2.03	7.12	3, 5, 8, 10, 89	3, 5, 8, 10, 69, 86, 89,	3, 5, 89

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		CO	4.11	14.41		98	
		SO <sub>2</sub>	1.53	2.18			
		VOC	0.31	1.07			
		PM	0.43	1.52			
		PM <sub>10</sub>	0.43	1.52			
		PM <sub>2.5</sub>	0.43	1.52			
52DHT2H-2	DHT No. 2 Heater H-2	NO <sub>x</sub>	2.30	8.07	3, 5, 8, 10, 11, 89	3, 5, 8, 10, 11, 69, 86, 89, 98	3, 5, 89
		CO	4.66	16.33			
		SO <sub>2</sub>	1.74	2.48			
		VOC	0.35	1.21			
		PM	0.84	2.95			
		PM <sub>10</sub>	0.84	2.95			
		PM <sub>2.5</sub>	0.84	2.95			
61STACKBLR	Boilers	NO <sub>x</sub>	24.90	63.46	3, 5, 8, 10, 11, 89, 93	3, 5, 8, 10, 11, 69, 86,	3, 5, 89, 93, 99



**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	61ST301BLR 61ST351BLR (249 MMBtu/hr each)	CO	35.54	64.72		89, 93, 98	
		SO <sub>2</sub>	14.24	14.28			
		VOC	2.74	9.98			
		PM	3.80	13.84			
		PM <sub>10</sub>	3.80	13.84			
		PM <sub>2.5</sub>	3.80	13.84			
<b>Cogen</b>							
60COGENSTK	Cogen Unit	NO <sub>x</sub>	145.01	472.91	3, 5, 14, 88, 89, 93	3, 5, 69, 86, 89, 93, 98	3, 5, 89, 93, 99
		CO	77.26	336.62			
		SO <sub>2</sub>	21.74	77.00			
		VOC	2.33	7.08			
		PM	5.65	19.91			
		PM <sub>10</sub>	5.65	19.91			
		PM <sub>2.5</sub>	5.65	19.91			

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
<b>FCCU</b>							
55RGNFLUGS	FCCU Regenerator (13)	NO <sub>x</sub>	82.42	195.21	3, 5, 16, 17, 19, 20, 55, 89, 93, 96	3, 5, 16, 17, 20, 55, 69, 86, 89, 93, 96, 98	3, 5, 20, 89, 93, 99
		CO	143.69	180.34			
		SO <sub>2</sub>	81.91	114.82			
		SO <sub>2</sub> (MSS)	674.30	-			
		VOC	8.45	27.09			
		PM	52.96	186.66			
		PM <sub>10</sub>	52.96	186.66			
		PM <sub>2.5</sub>	52.96	186.66			
		NH <sub>3</sub>	3.92	15.50			
		HCN	68.36	295.98			
55FCCUHOP	Catalyst Transport	PM	0.02	0.10	18	18, 98	
		PM <sub>10</sub>	0.02	0.10			
		PM <sub>2.5</sub>	0.02	0.10			

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
<b>CCR Reformer</b>							
17REFREGEN	Catalyst Regeneration	CO	6.60	28.91	5	5	5
		VOC	0.06	0.28			
		HCl	0.07	0.25			
		Cl <sub>2</sub>	0.02	0.04			
<b>Sulfur Blocks</b>							
15SRUINCIN	SRU No. 1 & 3 Tail Gas TO	NO <sub>x</sub>	4.50	13.14	3, 5, 22, 25, 26, 29, 35, 55, 89, 93	3, 5, 22, 26, 29, 31, 35, 55, 69, 86, 89, 93, 98	3, 5, 29, 31, 89, 93, 99
		CO	40.37	123.06			
		SO <sub>2</sub>	37.80	66.20			
		VOC	2.00	7.60			
		PM	1.08	3.15			
		PM <sub>10</sub>	1.08	3.15			
		PM <sub>2.5</sub>	1.08	3.15			
		H <sub>2</sub> S	1.06	1.85			

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
25SRUINCIN	SRU No. 4 Incinerator	NO <sub>x</sub>	6.40	14.59	3, 5, 23, 25, 26, 27, 28, 29, 30, 35, 55, 89, 91, 93	3, 5, 23, 26, 27, 28, 29, 30, 31, 35, 55, 69, 86, 89, 91, 93, 98	3, 5, 29, 30, 31, 89, 93, 99
		CO	39.53	36.85			
		SO <sub>2</sub>	55.31	136.66			
		VOC	0.43	0.98			
		PM	2.50	5.71			
		PM <sub>10</sub>	2.50	5.71			
		PM <sub>2.5</sub>	2.50	5.71			
		H <sub>2</sub> S	0.03	0.07			
36SRUINCIN	SRU No. 5 Incinerator	NO <sub>x</sub>	6.40	14.59	3, 5, 23, 25, 26, 27, 28, 29, 30, 35, 55, 89, 91, 93	3, 5, 23, 26, 27, 28, 29, 30, 31, 35, 55, 69, 86, 89, 91, 93, 98	3, 5, 29, 30, 31, 89, 93, 99
		CO	39.53	36.85			
		SO <sub>2</sub>	55.31	136.66			
		VOC	0.43	0.98			
		PM	2.50	5.71			
		PM <sub>10</sub>	2.50	5.71			

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM <sub>2.5</sub>	2.50	5.71			
		H <sub>2</sub> S	0.03	0.07			
<b>Cooling Towers</b>							
02HDCLGTWR	ACU No. 2 HD (Hudson) Cooling Tower	VOC	0.63	2.76	38, 39, 74	38, 39, 86, 98	
		PM	1.38	6.03			
		PM <sub>10</sub>	0.41	1.81			
		PM <sub>2.5</sub>	<0.01	0.01			
08ALKCLTWR	Alkylation Unit Cooling Tower	VOC	0.38	1.66	37, 39, 74	37, 39, 86, 98	
		PM	0.23	0.99			
		PM <sub>10</sub>	0.07	0.30			
		PM <sub>2.5</sub>	<0.01	<0.01			
30DCPCT1	DCP Cooling Tower	VOC	2.31	10.12	38, 39, 74	38, 39, 86, 98	
		PM	0.50	2.19			
		PM <sub>10</sub>	0.34	1.47			

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM <sub>2.5</sub>	0.01	0.01			
60COGENCT	Cogen Unit Cooling Tower	VOC	0.08	0.37	37, 39, 74	37, 39, 86, 98	
		PM	0.25	1.10			
		PM <sub>10</sub>	0.07	0.33			
		PM <sub>2.5</sub>	<0.01	<0.01			
67FPMCLTWR	FPM Cooling Tower	VOC	2.10	9.20	37, 39, 74	37, 39, 86, 98	
		PM	1.25	5.48			
		PM <sub>10</sub>	0.37	1.64			
		PM <sub>2.5</sub>	0.01	0.04			
67NORTHCT	North Cooling Tower	VOC	0.54	2.36	37, 39, 74	37, 39, 86, 98	
		PM	0.16	0.70			
		PM <sub>10</sub>	0.05	0.21			
		PM <sub>2.5</sub>	<0.01	<0.01			
67805CLTWR	805 Cooling Tower	VOC	0.70	3.05	37, 39, 74	37, 39, 86, 98	

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM	1.04	4.55			
		PM <sub>10</sub>	0.60	2.64			
		PM <sub>2.5</sub>	<0.01	0.01			
Fixed Roof Storage Tanks							
20TANK2000	VOC Storage Tank No. 2000	VOC	1.32	-	5	5, 42, 98	5
20TANK2003	VOC Storage Tank No. 2003	VOC	1.47	-	5	5, 42, 98	5
22TANK0316	VOC Storage Tank No. 0316	VOC	1.32	-		42, 98	
22TANK0317	VOC Storage Tank No. 0317	VOC	1.32	-	5	5, 42, 98	5
22TANK0441	VOC Storage Tank No. 0441	VOC	47.53	-	5	5, 42, 98	5
22TANK0516	VOC Storage Tank No. 0516	VOC	0.74	-	5	5, 42, 98	5
22TANK0522	VOC Storage Tank No. 0522	VOC	2.27	-		42, 98	
		H <sub>2</sub> S	0.10	-			

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
22TANK0524	VOC Storage Tank No. 0524	VOC	18.75	-	5	5, 42, 98	5
22TANK0536	VOC Storage Tank No. 0536	VOC	0.59	-	5	5, 42, 98	5
22TANK0537	VOC Storage Tank No. 0537	VOC	1.04	-	5	5, 42, 98	5
		H <sub>2</sub> S	0.03	-			
22TANK0538	VOC Storage Tank No. 0538	VOC	195.35	-	5	5, 42, 98	5
22TANK0545	VOC Storage Tank No. 0545	VOC	1.93	-	5	5, 42, 98	5
22TANK0558	VOC Storage Tank No. 0558	VOC	0.59	-	5	5, 42, 98	5
22TANK0559	VOC Storage Tank No. 0559	VOC	1.12	-	5	5, 42, 98	5
22TANK0560	VOC Storage Tank No. 0560	VOC	0.56	-	5	5, 42, 98	5
22TANK0561	VOC Storage Tank No. 0561	VOC	0.56	-	5	5, 42, 98	5
22TANK0586	VOC Storage Tank No. 0586	VOC	7.71	-	5	5, 42, 98	5



**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
22TANK0587	VOC Storage Tank No. 0587	VOC	75.53	-	5	5, 42, 98	5
22TANK0589	VOC Storage Tank No. 0589	VOC	0.68	-	5	5, 42, 98	5
22TANK0902	VOC Storage Tank No. 0902	VOC	75.53	-	5	5, 42, 98	5
22TANK0917	VOC Storage Tank No. 0917	VOC	29.71	-	5	5, 42, 98	5
22TANK0918	VOC Storage Tank No. 0918	VOC	29.71	-	5	5, 42, 98	5
22TANK0924	VOC Storage Tank No. 0924	VOC	0.18	-	5	5, 42, 98	5
22TANK0925	VOC Storage Tank No. 0925	VOC	0.44	-	5	5, 42, 98	5
22TANK0933	VOC Storage Tank No. 0933	VOC	20.80	-	5	5, 42, 98	5
22TANK0934	VOC Storage Tank No. 0934	VOC	20.80	-	5	5, 42, 98	5
22TANK0948	VOC Storage Tank No. 0948	VOC	0.70	-	3, 5	3, 5, 42, 98	3, 5
67TANK0636	Solids/Liquids	VOC	34.34	-	5	5, 42, 98	5

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	Wastewater Tank No. 0636						
67TK660CC	IGF Float Tank No. 0660	VOC	0.04	-	4, 82	4, 42, 82, 98	4
FXRTCAP	Fixed Roof Tank (8) Annual Cap	VOC	-	64.12	3, 4, 5, 82	3, 4, 5, 42, 82, 98	3, 4, 5
		H <sub>2</sub> S	-	0.09			
<b>Crude Oil Storage Tanks</b>							
22TANK0452	VOC Storage Tank No. 0452	VOC	2.17	-	5, 42	5, 42, 98	5
		H <sub>2</sub> S	0.07	-			
22TANK0453	VOC Storage Tank No. 0453	VOC	2.19	-	5, 42	5, 42, 98	5
		H <sub>2</sub> S	0.07	-			
22TANK0454	VOC Storage Tank No. 0454	VOC	2.19	-	5, 42	5, 42, 98	5
		H <sub>2</sub> S	0.07	-			
22TANK0455	VOC Storage Tank No. 0455	VOC	2.17	-	5, 42	5, 42, 98	5
		H <sub>2</sub> S	0.07	-			
22TANK0477	VOC Storage Tank No.	VOC	1.94	-	5, 42	5, 42, 98	5

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	0477	H <sub>2</sub> S	0.07	-			
22TANK0478	VOC Storage Tank No. 0478	VOC	1.97	-	5, 42	5, 42, 98	5
		H <sub>2</sub> S	0.07	-			
22TANK0480	VOC Storage Tank No. 0480	VOC	1.76	-	3, 5, 42	3, 5, 42, 98	3, 5
		H <sub>2</sub> S	0.06	-			
22TANK0481	VOC Storage Tank No. 0481	VOC	1.61	-	3, 5, 42	3, 5, 42, 98	3, 5
		H <sub>2</sub> S	0.05	-			
22TANK0482	VOC Storage Tank No. 0482	VOC	1.43	-	3, 5, 42	3, 5, 42, 98	3, 5
		H <sub>2</sub> S	0.05	-			
CRUDETCAP	Crude Tank Cap (9)	VOC	-	46.57	3, 5, 42	3, 5, 42, 98	3, 5
		H <sub>2</sub> S	-	1.85			
<b>External Floating Roof Storage Tanks</b>							
20TANK2001	Gasoline Storage Tank	VOC	0.40	-	3, 5, 42	3, 5, 42, 98	3, 5
20TANK2002	Gasoline Storage Tank	VOC	0.39	-	3, 5, 42	3, 5, 42, 98	3, 5

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
22TANK0475	VOC Storage Tank No. 0475	VOC	3.12	-	5, 42	5, 42, 98	5
22TANK0476	VOC Storage Tank No. 0476	VOC	3.12	-	5, 42	5, 42, 98	5
22TANK0479	VOC Storage Tank No. 0479	VOC	2.78	-	5, 42	5, 42, 98	5
22TANK0502	VOC Storage Tank No. 0502	VOC	0.43	-	5, 42	5, 42, 98	5
22TANK0503	Water Draw Collection Tank No. 0503	VOC	0.42	-	4, 5, 42	4, 5, 42, 98	4, 5
22TANK0506	VOC Storage Tank No. 0506	VOC	0.56	-	3, 5, 42	3, 5, 42, 98	3, 5
22TANK0525	VOC Storage Tank No. 0525	VOC	3.37	-	5, 42	5, 42, 98	5
22TANK0530	VOC Storage Tank No. 0530	VOC	0.81	-	3, 5, 42	3, 5, 42, 98	3, 5
22TANK0532	VOC Storage Tank No. 0532	VOC	1.62	-	5, 42	5, 42, 98	5
22TANK0540	Water Draw Collection Tank No. 0540	VOC	0.09	-	3, 4, 42	3, 4, 42, 98	3, 4

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
22TANK0541	VOC Storage Tank No. 0541	VOC	2.98	-	5, 42	5, 42, 98	5
22TANK0562	VOC Storage Tank No. 0562	VOC	1.14	-	5, 42	5, 42, 98	5
22TANK0563	VOC Storage Tank No. 0563	VOC	1.52	-	5, 42	5, 42, 98	5
22TANK0574	VOC Storage Tank No. 0574	VOC	1.09	-	5, 42	5, 42, 98	5
22TANK0800	VOC Storage Tank No. 0800	VOC	3.18	-	5, 42	5, 42, 98	5
22TANK0801	VOC Storage Tank No. 0801	VOC	3.18	-	5, 42	5, 42, 98	5
22TANK0802	VOC Storage Tank No. 0802	VOC	2.32	-	5, 42	5, 42, 98	5
22TANK0805	VOC Storage Tank No. 0805	VOC	1.02	-	5, 42	5, 42, 98	5
22TANK0906	VOC Storage Tank No. 0906	VOC	0.52	-	5, 42	5, 42, 98	5
22TANK0907	VOC Storage Tank No. 0907	VOC	0.50	-	5, 42	5, 42, 98	5
22TANK0909	VOC Storage Tank No.	VOC	0.68	-	5, 42	5, 42, 98	5

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	0909						
22TANK0910	VOC Storage Tank No. 0910	VOC	3.09	-	5, 42	5, 42, 98	5
22TANK0938	VOC Storage Tank No. 0938	VOC	1.19	-	3, 5, 42	3, 5, 42, 98	3, 5
22TANK0939	VOC Storage Tank No. 0939	VOC	1.43	-	3, 5, 42	3, 5, 42, 98	3, 5
37TANK1002	VOC Storage Tank No. 1002	VOC	0.20	-	3, 5, 33, 42	3, 5, 33, 42, 86, 98	3, 5
		H <sub>2</sub> S	0.07	-			
		NH <sub>3</sub>	0.04	-			
		HCN	0.04	-			
38TANK1000	VOC Storage Tank No. 1000	VOC	0.21	-	3, 5, 33, 42	3, 5, 33, 42, 86, 98	3, 5
		H <sub>2</sub> S	0.01	-			
		NH <sub>3</sub>	0.01	-			
		HCN	0.01	-			
38TANK1001	VOC Storage Tank No.	VOC	0.32	-	3, 5, 33, 42	3, 5, 33, 42, 86, 98	3, 5

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	1001	H <sub>2</sub> S	0.21	-			
		NH <sub>3</sub>	0.11	-			
		HCN	0.11	-			
45TANK0474	Dock Wastewater Tank No. 0474	VOC	0.81	-	5, 42	5, 42, 98	5
67TANK500A	Storm Water Storage Tank No. 500A	VOC	2.89	-	3, 42	3, 42, 98	3
67TANK500B	Storm Water Storage Tank No. 500B	VOC	2.89	-	3, 42	3, 42, 98	3
67TANK500C	Storm Water Storage Tank No. 500C	VOC	2.88	-	3, 42	3, 42, 98	3
67TANK0504	Recovered Oil Tank No. 0504	VOC	0.49	-	3, 5, 42	3, 5, 42, 98	3, 5
22TANK0960	VOC Storage Tank No. 960	VOC	1.76	-	3, 5, 42	3, 5, 42, 98	3, 5
67TANK0505	NESHAP Wastewater Tank No. 0505	VOC	0.46	-	3, 4, 5, 42	3, 4, 5, 42, 98	3, 4, 5

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
EFRTCAP	External Floating Roof (9) Tank Annual Cap	VOC	-	96.91	3, 4, 5, 33, 42	3, 4, 5, 33, 42, 86, 98	3, 4, 5
		H <sub>2</sub> S	-	0.66			
		NH <sub>3</sub>	-	0.29			
		HCN	-	0.16			
<b>Internal Floating Roof Tanks</b>							
04TANK0941	VOC Storage Tank No. 0941	VOC	0.10	-	5, 42	5, 42, 98	5
04TANK0946	VOC Storage Tank No. 0946	VOC	0.39	-	5, 42	5, 42, 98	5
22TANK0517	VOC Storage Tank No. 0517	VOC	0.49	-	42	42, 98	
22TANK0526	VOC Storage Tank No. 0526	VOC	0.82	-	5, 42	5, 42, 98	5
22TANK0531	VOC Storage Tank No. 0531	VOC	1.23	-	5, 42	5, 42, 98	5
22TANK0572	VOC Storage Tank No. 0572	VOC	0.37	-	5, 42	5, 42, 98	5
22TANK0588	VOC Storage Tank No. 0588	VOC	0.52	-	42	42, 98	



**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
22TANK0591	VOC Storage Tank No. 0591	VOC	1.09	-	5, 42	5, 42, 98	5
22TANK0597	VOC Storage Tank No. 0597	VOC	0.24	-	5, 42	5, 42, 98	5
22TANK0598	VOC Storage Tank No. 0598	VOC	0.24	-	5, 42	5, 42, 98	5
22TANK0599	VOC Storage Tank No. 0599	VOC	0.17	-	5, 42	5, 42, 98	5
22TANK0650	VOC Storage Tank No. 0650	VOC	0.33	-	5, 42	5, 42, 98	5
22TANK0651	VOC Storage Tank No. 0651	VOC	0.33	-	5, 42	5, 42, 98	5
22TANK0807	VOC Storage Tank No. 0807	VOC	2.17	-	5, 42	5, 42, 98	5
22TANK0811	VOC Storage Tank No. 0811	VOC	0.61	-	3, 5, 42	3, 5, 42, 98	3, 5
22TANK0812	VOC Storage Tank No. 0812	VOC	0.38	-	3, 5, 42	3, 5, 42, 98	3, 5
22TANK0813	VOC Storage Tank No. 0813	VOC	0.38	-	3, 5, 42	3, 5, 42, 98	3, 5
22TANK0814	VOC Storage Tank No.	VOC	0.50	-	5, 42	5, 42, 98	5

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	0814						
22TANK0815	VOC Storage Tank No. 0815	VOC	0.65	-	5, 42	5, 42, 98	5
22TANK0913	VOC Storage Tank No. 0913	VOC	0.41	-	5, 42	5, 42, 98	5
22TANK0921	VOC Storage Tank No. 0921	VOC	2.41	-	5, 42	5, 42, 98	5
22TANK0922	VOC Storage Tank No. 0922	VOC	2.41	-	5, 42	5, 42, 98	5
22TANK0940	VOC Storage Tank No. 0940	VOC	0.72	-	5, 42	5, 42, 98	5
67TANK0595	Recovered Oil Tank No. 0595	VOC	0.41	-	3, 4, 5, 42	3, 4, 5, 42, 98	3, 4, 5
67TANK0596	Recovered Oil Tank No. 0596	VOC	0.38	-	3, 4, 5, 42	3, 4, 5, 42, 98	3, 4, 5
67TANK0905	NESHAP Wastewater Tank No. 0905	VOC	0.38	-	3, 4, 5, 42	3, 4, 5, 42, 98	3, 4, 5
67TANK0927	North Storm Water Tank	VOC	0.12	-	3, 42	3, 42, 98	3
IFRTCAP	Internal Floating Roof (10)	VOC	-	26.23	3, 4, 5, 42	3, 4, 5, 42, 98	3, 4, 5

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	Tank Annual Cap						
08TANK0668	Spent Sulfuric Acid Tank No. 668	VOC	0.17	0.07	42, 82	42, 82, 98	
08TANK0923	Spent Sulfuric Acid Tank No. 923	VOC	0.17	0.31	42, 82	42, 82, 98	
<b>Enclosed Benzene Flares</b>							
22BZNTKFLR	Storage Tank Nos. 808, 809, 810 Flare	NO <sub>x</sub>	0.30	1.22	3, 89	3, 69, 89	3, 89
		CO	0.86	3.71			
		VOC	0.04	0.06			
22TK926FLR	Storage Tank No. 926 Flare	NO <sub>x</sub>	0.38	1.66	3, 54, 89	3, 69, 86, 89	3, 89
		CO	0.69	2.74			
		VOC	0.01	0.02			
50BZTNKFLR	Storage Tank Nos. 928, 929, 930 Flare	NO <sub>x</sub>	1.19	5.22	3, 54, 89	3, 69, 86, 89	3, 89
		CO	1.67	7.32			
		VOC	0.06	0.04			

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
<b>Loading</b>							
14SRU1LOAD	SRU No. 1 Truck Loading Rack	H <sub>2</sub> S	0.01	0.01	43, 47	47	43, 47
18RAILLOAD	Rail Car Loading Rack	VOC	0.27	0.11	43, 47	47, 98	43, 47
18TRKLOAD	Tank Truck Loading Rack	VOC	0.15	0.68	43, 47	47, 98	43, 47
28LPGHOSE	LPG Loading Rack Hose	VOC	0.07	0.29	43	98	43
		H <sub>2</sub> S	0.01	0.01			
30CKRTRKLD	Coke Handling	VOC	55.00	30.11	36, 97	36, 97	
		SO <sub>2</sub>	0.02	0.01			
		PM	1.76	0.96			
		PM <sub>10</sub>	1.76	0.96			
		PM <sub>2.5</sub>	1.76	0.96			
		H <sub>2</sub> S	3.63	1.99			
33SRU3LOAD	SRU No. 3 Truck Loading Rack	H <sub>2</sub> S	0.01	0.01	43, 47	47	43, 47

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
20GASSORB	Truck Loading Rack	VOC	0.24	0.22	5, 43, 47	5, 47, 98	5, 43, 47
45DOCK1LDG	Dock 1 Loading Losses	VOC	29.54	-	5, 43, 44	5, 44, 98	5, 43
45DOCK2LDG	Dock 2 Loading Losses	VOC	29.54	-	5, 43, 44	5, 44, 98	5, 43
45DOCK3LDG	Dock 3 Loading Losses	VOC	29.54	-	4, 5, 43, 44	4, 5, 44, 98	4, 5, 43
45DCKLDCAP	Dock Loading Annual (7) Cap	VOC	-	14.99	4, 5, 43, 44	4, 5, 44, 98	4, 5, 43
45DOCKTO1	Marine Terminal Vapor Combustor 1	NO <sub>x</sub>	10.10	-	3, 4, 5, 49, 89	3, 49, 69, 86, 89, 98	3, 89
		CO	15.44	-			
		SO <sub>2</sub>	0.18	-			
		VOC	5.82	-			
45DOCKTO2	Marine Terminal Vapor Combustor 2	NO <sub>x</sub>	19.53	-	3, 4, 5, 49, 89	3, 49, 69, 86, 89, 98	3, 89
		CO	29.88	-			
		SO <sub>2</sub>	0.18	-			

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
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			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		VOC	11.63	-			
45DCKTOCAP	45DOCKTOCAP (6) 45DOCKTO1 45DOCKTO2	NO <sub>x</sub>	-	10.61	3, 4, 5, 49, 89	3, 49, 69, 86, 89, 98	3, 89
		CO	-	33.24			
		SO <sub>2</sub>	-	0.32			
		VOC	-	6.63			
<b>Carbon Adsorption Systems</b>							
14FL106CC	Amine Unit Carbon Absorption System	VOC	0.01	0.02	82	82, 98	
14V103CC	ARU1 Amine Sump	VOC	0.02	0.04	82	82, 98	
20TRKRCKCC	Truck Rack Sump	VOC	0.14	0.04	82	82, 98	
25TK601CC	25TK-601 MDEA Tank	VOC	0.02	0.04	82	82, 98	
38V107	Skimmed Oil Vessel No. 38V-107	VOC	0.01	0.01		98	
40CSOWSCC	Condensate Splitter Oily Water Sump Carbon	VOC	0.01	0.01	3, 4, 5, 82	3, 4, 5, 82, 98	3, 4, 5

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	Canisters						
42TK301CC	ARU-2 Lean Amine Tank (TK-301)	VOC	0.02	0.04	81, 82	81, 82, 98	
		H <sub>2</sub> S	0.01	0.01			
45V104CC	Dock 2 Spill Back Tank Carbon Canisters	VOC	0.01	0.01	82	82, 98	
45V1CC	Dock 1 Spillback Collection Sump	VOC	0.01	0.01	82	82, 98	
45V3ACC	Dock 3A Spillback Collection Sump	VOC	0.01	0.01	82	82, 98	
45V3BCC	Dock 3B Spillback Collection Sump	VOC	0.01	0.01	82	82, 98	
51DHT1ASCC	DHT No. 1 Amine Sump	VOC	0.01	0.01	81, 82	81, 82, 98	
52DHT2ASCC	DHT No. 2 Amine Sump	VOC	0.01	0.01	81, 82	81, 82, 98	
52DHT2OSCC	Lift Station East End of Unit 813	VOC	0.08	0.19	82	82, 98	

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
52FLORPWCC	Florida Unit Process Water Sump Carbon Canisters	VOC	0.01	0.04	3, 82	3, 82, 98	3
54GHTCC	GHT Unit Sump	VOC	0.01	0.02	82	82, 98	
55JETTRCC	Jet Treater Sump Carbon Canisters	VOC	0.01	0.01	82	82, 98	
60CGNPWCC	Cogen Unit Process Water Sump Carbon Canisters	VOC	0.01	0.01	3, 82	3, 82, 98	3
60CGNSWCC	Cogen Unit Storm Water Sump Carbon Canisters	VOC	0.02	0.05	3, 82	3, 82, 98	3
67DCUOWSCC	DCU OWS Sump	VOC	0.04	0.05	82	82, 98	
67DCUSWSCC	DCU Stormwater Sump	VOC	0.11	0.46	82	82, 98	
67NBPCC	North Barrel Pump Sump Carbon Canisters	VOC	0.01	0.01	3, 82	3, 82, 98	3
67NCPICC	North CPI Carbon Canisters	VOC	0.03	0.12	3, 4, 82	3, 4, 82, 98	3, 4
67NSWCC	North Storm Water Sump Carbon	VOC	0.10	0.14	3, 82	3, 82, 98	3



**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	Canisters						
67PHADJCC	pH Adjuster/Splitter Tank (TK-402) Carbon Canisters	VOC	0.01	0.01	4, 5, 82	4, 5, 82, 98	4, 5
67SBOWSCC	Sulfur Block OWS	VOC	0.02	0.05	82	82, 98	
67SBPCC	South Barrel Pump Sump Carbon Canisters	VOC	0.01	0.01	3, 82	3, 82, 98	3
67SBSWCC	Sulfur Block Stormwater	VOC	1.05	4.60	82	82, 98	
67SCALCC	Contract ScalFuel Dewatering Carbon Canisters	VOC	0.01	0.01	3, 4, 5, 82	3, 4, 5, 82, 98	3, 4, 5
67SKIMCC	Sour Water Skimmer	VOC	0.01	0.03	82	82, 98	
67SSWCC	South Storm Water Sump Carbon Canisters	VOC	0.05	0.14	3, 82	3, 82, 98	3
67VDUOWSCC	VDU-2 Sump	VOC	0.02	0.09	82	82, 98	
67WSHSLBCC	Wash Slab Sump	VOC	0.01	0.01	82	82, 98	
75LABCC	Lab Sump Carbon	VOC	0.01	0.01	4, 82	4, 82, 98	4

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
	Canisters						
<b>Wastewater</b>							
08LSWALKY	Lift Station West End of Alky	VOC	0.16	0.42	77	98	
20LSTRKRCK	Truck Rack Drain Sump and Lift Station	VOC	0.09	0.06	77	98	
45DOCK45V1	Dock Spill Back Collection Sump	VOC	0.08	0.01		98	
45DOCK45V2	Dock Spill Back Collection Sump	VOC	0.08	0.01	77	98	
45DOCK45V3	Dock Spill Back Collection Sump	VOC	0.08	0.01		98	
52LS811SMP	811 Sump East of East End Complex	VOC	0.22	0.66		98	
67AERTKA	Aeration Tank (TK-403A)	VOC	13.11	-	76, 83	76, 83, 98	83
67AERTKB	Aeration Tank (TK-403B)	VOC	13.11	-	76, 83	76, 83, 98	83
67AERTKC	Aeration Tank (TK-403C)	VOC	13.11	-	76, 83	76, 83, 98	83

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
67AERTKD	Aeration Tank (TK-403D)	VOC	13.11	-	76, 83	76, 83, 98	83
67AERTKCAP	Aeration Tanks Cap (11) (TK-403A thru D)	VOC	-	88.05	76, 83	76, 83, 98	83
67BSMNT	Bar Screen Maintenance	VOC	0.07	0.01		98	
67CLAR405A	Clarifier	VOC	0.12	0.24		98	
67CLAR405B	Clarifier	VOC	0.12	0.24		98	
67CLAR405C	Clarifier	VOC	0.12	0.24		98	
67CLAREFTK	Clarifier Effluent Tank	VOC	0.41	0.99		98	
67CLARFLTK	Clarifier Float/Scum Tank	VOC	0.01	0.01		98	
67EQTK401A	Wastewater Equalization Tank No. 401A	VOC	0.01	0.01	4	4, 98	4
67EQTK401B	Wastewater Equalization Tank No. 401B	VOC	0.01	0.01	4	4, 98	4

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
67EQTK401C	Wastewater Equalization Tank No. 401C	VOC	0.01	0.01	4	4, 98	4
67FLSPTK	Flocculator/Splitter Tank (TK-404)	VOC	0.01	0.01		98	
67LS61P20	Old DI Unit Lift Station	VOC	0.10	0.30		98	
67LSBIOTRT	Biological Unit Process Area Sump	VOC	0.05	0.14		98	
67LSEDAF	Lift Station East of DAF	VOC	0.15	0.14		98	
67LSN560	Lift Station North of TK-560	VOC	0.15	0.02		98	
67LSN595	Lift Station North of TK-595	VOC	0.08	0.01		98	
67LSN905	Lift Station North of TK-905	VOC	0.15	0.13		98	
67LSNE660	Lift Station Northeast of TK-660	VOC	0.14	0.11		98	
67LSS602	Lift Station South of TK-602	VOC	0.08	0.02		98	

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
67LSWSHOUT	Washout Slab Lift Station	VOC	0.22	0.82		98	
67NCPIMNT	North Corrugated Plate Interceptor (CPI) Maintenance	VOC	0.01	0.01	75	75, 98	
67SCALBIO	Contract Biosludge Dewatering	VOC	0.01	0.01		98	
67SCPIMNT	South Corrugated Plate Interceptor (CPI) Maintenance	VOC	0.01	0.01	75	75, 98	
<b>Fugitives</b>							
LAERCNQFUG	LAER CNQ LDAR Program Fugitives (5)	VOC	13.82	59.84	3, 5, 58, 59	3, 5, 58, 59, 86, 98	3, 5, 58
		H <sub>2</sub> S	0.77	3.34			
		NH <sub>3</sub>	0.13	0.43			
LAERCNAFUG	LAER CNA LDAR Program Fugitives (5)	VOC	18.72	82.00	3, 5, 58, 59	3, 5, 58, 59, 86, 98	3, 5, 58
		H <sub>2</sub> S	0.07	0.28			
		PM	0.41	1.80			

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM <sub>10</sub>	0.41	1.80			
		PM <sub>2.5</sub>	0.41	1.80			
28MIDFUG	28MID LDAR Program Fugitives (5)	VOC	0.08	0.35	3, 5, 57, 59	3, 5, 57, 59, 86, 98	3, 5, 57
		H <sub>2</sub> S	0.12	0.54			
28VHPFUG	28VHP LDAR Program Fugitives (5)	VOC	108.90	476.48	3, 5, 56, 59	3, 5, 56, 59, 86, 98	3, 5, 56
		H <sub>2</sub> S	0.91	3.52			
		NH <sub>3</sub>	0.07	0.11			
<b>Maintenance, Startup and Shutdown</b>							
MSS_ATM	MSS Atmospheric Bubble	NO <sub>x</sub>	0.19	0.03	62, 63, 70	61, 62, 63, 66, 67, 69, 70, 71, 86, 98	
		CO	0.19	0.03			
		SO <sub>2</sub>	0.19	0.03			
		VOC	724.17	24.75			
		PM	0.25	0.01			
		PM <sub>10</sub>	0.25	0.01			

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		PM <sub>2.5</sub>	0.25	0.01			
		H <sub>2</sub> S	5.18	0.08			
		S <sub>2</sub>	1.26	0.17			
MSS_INCIN	SRU Incinerator Emissions during SRU MSS	NO <sub>x</sub>	4.78	6.56	62, 63	61, 62, 63, 69, 71, 86, 98	
		CO	92.19	51.95			
		SO <sub>2</sub>	519.44	50.64			
		VOC	2.13	2.92			
		PM	1.15	1.58			
		PM <sub>10</sub>	1.15	1.58			
		PM <sub>2.5</sub>	1.15	1.58			
		H <sub>2</sub> S	1.13	1.55			
MSS_FLR	MSS T/A Flaring (12)	NO <sub>x</sub>	178.70	11.17	62, 63, 70	61, 62, 63, 70, 71, 86, 98	
		CO	1,044.00	59.23			
		SO <sub>2</sub>	14,941.00	116.00			

**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			Ib/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		VOC	1,293.00	64.53			
		H <sub>2</sub> S	161.90	1.53			
MSS_TANK	Tank MSS	NO <sub>x</sub>	3.83	1.66	64, 65, 70	61, 64, 65, 70, 71, 86, 98	
		CO	5.07	9.19			
		SO <sub>2</sub>	0.37	0.34			
		VOC	815.08	43.57			
		PM	0.60	0.04			
		PM <sub>10</sub>	0.60	0.04			
		PM <sub>2.5</sub>	0.60	0.04			
MSS_TKFLR	Benzene Tank Emissions During Flare MSS	VOC	3.50	0.41	62, 63, 70	61, 62, 63, 69, 70, 71, 86, 98	
<b>Permit by rule (PBR) sources incorporated by reference. Sources remain authorized by the PBR(s) as listed below:</b>							
Registration No. 35330							
22TANK0484	Tank 484	VOC	565.21	1.24	3	3	3



**Major NSR Summary Table**

Permit Numbers 46396, PSDTX1073M3, and N044					Issuance Date: July 24, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
Registration No. 55631							
10GRUHTRB1	GRU Heater B-1	NO <sub>x</sub>	3.90	13.14	3, 5	3, 5	3, 5
		CO	4.50	15.14			
		SO <sub>2</sub>	1.15	1.57			
		VOC	0.22	0.71			
		PM	0.30	0.98			
		PM <sub>10</sub>	0.30	0.98			
<b>SE 11273</b>							
16ISOMHTR	ISOM Heater	NO <sub>x</sub>	8.40	36.82	3, 5	3, 5	3, 5
		CO	3.27	14.31			
		SO <sub>2</sub>	2.50	10.99			
		VOC	0.26	1.14			
		PM	0.47	2.05			
		PM <sub>10</sub>	0.47	2.05			

- (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
  - 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>
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - CO - carbon monoxide
  - H<sub>2</sub>S - hydrogen sulfide
  - NH<sub>3</sub> - ammonia
  - HCl - hydrogen chloride
  - HCN - hydrogen cyanide
  - Cl<sub>2</sub> - chlorine
  - S<sub>2</sub> - disulfide
  - MSS - maintenance, startup, and shutdown
- (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) Annual emission rates shown with 45DCKTOCAP are the summed emission caps for 45DOCKTO1 and 45DOCKTO2.
- (7) Annual emission rates shown with 45DCKLDCAP are the summed emission cap for 45DOCK1DLOG, 45DOCK2LDG and 45DOCK3LDG.
- (8) Annual VOC emission rate shown with FXRTCAP are the summed emission cap for all fixed roof tanks.
- (9) Annual VOC emission rate shown with EFRTCAP are the summed emission cap for all external floating roof tanks.
- (10) Annual VOC emission rate shown with IFRTCAP are the summed emission cap for all internal floating roof tanks.
- (11) Annual VOC emission rate shown with 67AERTKCAP are the summed emission cap for all Aeration Tanks (TK-403A, B, C & D).
- (12) The EPN MSS\_FLR incorporates turnaround emissions from North Flare, Middle Flare, South Flare East Flare, and temporary flare systems.
- (13) Planned maintenance emissions for all pollutants are authorized even if not specifically identified as MSS. Annual emission rates includes normal operations and MSS.



## Texas Commission on Environmental Quality Air Quality Permit

*A Permit Is Hereby Issued To*

**TotalEnergies Petrochemicals & Refining USA, Inc.**

*Authorizing the Construction and Operation of*

**Total Petro Chemicals USA Port Arthur Refinery**

*Located at Port Arthur, Jefferson County, Texas*

*Latitude 29.963888 Longitude -93.8875*

Permits: 46396, N044, and PSDTX1073M3

Revision Date: July 24, 2024

Expiration Date: April 4, 2034

  
\_\_\_\_\_  
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)]

1. **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>
2. **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)]
3. **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)]
4. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
5. **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)]
6. **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.
7. **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	GLC <sub>max</sub> = maximum (predicted) ground-level concentration
°F = Temperature in degrees Fahrenheit	gpm = gallon per minute
°K = Temperature in degrees Kelvin	gr/100scf = grain per 100 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	lb/day = pound per day
CFR = Code of Federal Regulations	lb/hr = pound per hour
CN = customer ID number	lb/MMBtu = pound per million British thermal units
CNG = compressed natural gas	LDAR = Leak Detection and Repair (Requirements)
CO = carbon monoxide	LNG = liquefied natural gas
COMS = continuous opacity monitoring system	LPG = liquefied petroleum gas
CPMS = continuous parametric monitoring system	LT/D = long ton per day
DFW = Dallas/ Fort Worth (Metroplex)	m = meter
DE = destruction efficiency	m <sup>3</sup> = cubic meter
DRE = destruction and removal efficiency	m/sec = meters per second
dscf = dry standard cubic foot or feet	MACT = maximum achievable control technology
dscfm = dry standard cubic foot or feet per minute	MAERT = Maximum Allowable Emission Rate Table
ED = (TCEQ) Executive Director	MERA = Modeling and Effects Review Applicability
EF = emissions factor	mg = milligram
EFR = external floating roof tank	mg/g = milligram per gram
EGU = electric generating unit	mL = milliliter
EI = Emissions Inventory	MMBtu = million British thermal units
ELP = El Paso	MMBtu/hr = million British thermal units per hour
EPA = (United States) Environmental Protection Agency	MSDS = material safety data sheet
EPN = emission point number	MSS = maintenance, startup, and shutdown
ESL = effects screening level	MW = megawatt
ESP = electrostatic precipitator	NAAQS = National Ambient Air Quality Standards
FCAA = Federal Clean Air Act	NESHAP = National Emission Standards for Hazardous Air Pollutants
FCCU = fluid catalytic cracking unit	NGL = natural gas liquids
FID = flame ionization detector	NNSR = nonattainment new source review
FIN = facility identification number	NO <sub>x</sub> = total oxides of nitrogen
ft = foot or feet	NSPS = New Source Performance Standards
ft/sec = foot or feet per second	PAL = plant-wide applicability limit
g = gram	
gal/wk = gallon per week	
gal/yr = gallon per year	
GLC = ground level concentration	

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  
SOCMI = synthetic organic chemical manufacturing industry  
SRU = sulfur recovery unit  
TAC = Texas Administrative Code  
TCAA = Texas Clean Air Act  
TCEQ = Texas Commission on Environmental Quality  
TD = Toxicology Division  
TLV = threshold limit value  
TMDL = total maximum daily load  
tpd = tons per day  
tpy = tons per year  
TVP = true vapor pressure  
VOC = volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
VRU = vapor recovery unit or system

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1. This permit authorizes emissions only 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 that table and other operating conditions specified in the special conditions.

### Emissions Limitations

2. Non-fugitive emissions from relief valves, safety valves, or rupture discs of gases containing volatile organic compounds (VOC), ammonia (NH<sub>3</sub>), or hydrogen sulfide (H<sub>2</sub>S) at a concentration of greater than 1 percent are not authorized by this permit unless authorized on the 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.
3. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations in Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60) on Standards of Performance for New Stationary Sources promulgated for:
  3. Subpart A: General Provisions.
  3. Subpart Db: Industrial-Commercial-Institutional Steam Generating Units.
  3. Subpart J: Petroleum Refineries.
  3. Subpart Ja: Petroleum Refineries.
  3. Subpart K: Volatile Organic Liquid Storage Vessels.
  3. Subpart Ka: Volatile Organic Liquid Storage Vessel.
  3. Subpart Kb: Volatile Organic Liquid Storage Vessels.
  3. Subpart GG: Stationary Gas Turbines.
  3. Subpart UU: Asphalt Processing and Asphalt Roofing Manufacture.
  3. Subpart XX: Bulk Gasoline Terminals.
  3. Subpart GGG: Equipment Leaks of Volatile Organic Compounds (VOC) in Petroleum Refineries.
  3. Subpart QQQ: VOC Emissions from Petroleum Refinery Wastewater Systems.
4. These facilities shall comply with all applicable requirements of the EPA regulations in 40 CFR Part 61 on National Emission Standards for Hazardous Air Pollutants (NESHAPS) promulgated for:
  4. Subpart A: General Provisions.
  4. Subpart J: Equipment Leaks (Fugitive Emission Sources) of Benzene.
  4. Subpart V : Fugitive Emission Sources.
  4. Subpart Y: Benzene Storage.
  4. Subpart FF: Benzene Waste Operations.
5. These facilities shall comply with all applicable requirements of EPA regulations in 40 CFR Part 63 on NESHAPS for Source Categories for:
  5. Subpart A: General Provisions.

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- 5. Subpart F: Synthetic Organic Chemical Manufacturing Industry.
- 5. Subpart G: Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels: Transfer Operations, and Wastewater.
- 5. Subpart H: Equipment Leaks.
- 5. Subpart Q: Industrial Process Cooling Towers.
- 5. Subpart CC: Petroleum Refineries.
- 5. Subpart UUU: Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units.
- 5. Subpart DDDDD: Industrial, Commercial, and Institutional Boilers and Process Heaters.

**Refinery Fuel Gas**

- 6. The sulfur content of the refinery fuel gas-fired in combustion sources shall not exceed 0.10 grain of H<sub>2</sub>S per dry dscf (162 parts per million by volume, dry (ppmv)) on a rolling three-hour average.
- 7. The H<sub>2</sub>S content in the refinery fuel gas system shall not exceed 75 ppmvd on a rolling 12-month average.
- 8. The holder of this permit shall install a continuous H<sub>2</sub>S monitoring system in a portion of the fuel gas system common to the combustion devices covered by this permit in accordance with the fuel sulfur monitoring requirements of 40 CFR § 60.105. The continuous records of the H<sub>2</sub>S content of the fuel gas shall be reduced to rolling 3-hour average H<sub>2</sub>S concentrations, with a minimum frequency of once per day.

**Heaters and Boilers**

- 9. The permittee shall comply with the maximum hourly firing rates represented in Attachment A.
- 10. The permittee shall install and operate totalizing fuel flow meters or flow meters equipped with totalizing data control systems to measure the fuel gas usage in accordance with Special Condition No. 98.C. on the following EPNs.:

EPN	Source
06VDU2CHTR	VDU-2 Charge Heater
10DEMEX-2	Asphalt and Resin Phase Heater
10DEMEX-04	DMO Phase Heater
43DHT3CHTR	Distillate Hydrotreater 3 Heater
01ACU1H101	ACU No. 1 Heater H-101
01ACU1202A	ACU No. 1 Heater 202A
01ACU1202B	ACU No. 1 Heater 202B
01VACTH301	VDU No. 1 Heater H-301
02ACU2H201	ACU No. 2 Heater H-201
04BTXH-51	BTX Heater H-51
04BTXH-52	BTX Heater H-52
04BTXH-53	BTX Heater H-53
10DEMEXH-2	Demex Heater H-2



10DEMEXH-4	Demex Heater H-4
13UNIBH301	Unibon Heater H-301
17NHTHTRS	NHT Heaters No. 1 & 2
17REFHTRS	Reformer Heaters No. 1, 2, 3, 4, 5, & 6
40CSPLTH-1	Condensate Splitter Heater H-1
50TDPH-1	TDP Heater H-1
51DHT1H-1	DHT No. 1 Heater H-1
51DHT1H-3	DHT No. 1 Heater H-3
52DHT2H-1	DHT No. 2 Heater H-1
52DHT2H-2	DHT No. 2 Heater H-2
61STACKBLR	61ST301BLR and 61ST351BLR

10. Each fuel flow meter shall be calibrated at a frequency in accordance with the manufacturer's specifications or at least annually, whichever is more frequent.
10. Quality assured (or valid) data must be generated when the heater is operating. Loss of valid data due to periods of monitor breaks down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the heater operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded.
11. The permittee shall comply with the nitrogen oxides (NO<sub>x</sub>) and carbon monoxide (CO) emission limits represented in Attachment B.

For units operated with a NO<sub>x</sub> or CO Continuous Emissions Monitoring System (CEMS) as summarized in Attachment C of this permit, compliance shall be demonstrated using CEMS in accordance with the requirements of Special Condition No. 93.

For units operated without a CEMS, compliance shall be demonstrated using valid stack test data in accordance with Special Condition Nos. 89.

If no CEMS or stack sampling is required, the permittee shall use the emission factors and the recorded firing rate for the period represented in the most recent permit activity for each source.

### Cogeneration Unit

12. The concentration of NO<sub>x</sub> in the stack gases from the General Electric Frame 6 gas turbine and duct burner, identified as EPN: 60COGENSTK, shall not exceed 42 parts per million by volume (ppmv), except during start-up or shutdown (defined in Special Condition No. 69.A.). For determining compliance with this condition, measured stack concentrations shall be expressed on a dry basis at 15 percent oxygen (O<sub>2</sub>).
13. The NO<sub>x</sub> emissions generated by the duct burners shall not exceed limits provided in Attachment B.
14. Fuels fired in the gas turbine and duct burner are limited to:
  14. Pipeline-quality, sweet natural gas containing no more than 5 grains total sulfur per 100 dscf (86 ppmv) and no more than 0.1 grain H<sub>2</sub>S per 100 dscf (162 ppmv).
  14. Refinery fuel gas meeting the requirements of Special Condition Nos. 6 and 7.

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14. Liquefied Petroleum Gas (LPG) containing no more than 360 ppm by weight sulfur. Test results from the LPG fuel supplier may be used to satisfy part of this requirement.

The use of any other fuel will require a modification to this permit. The permittee shall install and operate totalizing fuel flow meter(s) or flow meter(s) equipped with totalizing data control systems on Emission Point No. (EPN) 60COGENSTK. The fuel flow meter(s) shall be calibrated at a frequency in accordance with the manufacturer's specifications or at least annually, whichever is more frequent.

**Fluidized Catalytic Cracking Unit (FCCU)**

15. The maximum allowable concentrations of CO, sulfur dioxide (SO<sub>2</sub>) and NO<sub>x</sub> in the FCCU flue gas vent controlled by a Wet Gas Scrubber (WGS) (EPN 55RGNFLUGS) stack shall be less than the values in Attachment D.
16. The FCCU regenerator scrubber liquid flow rate, the liquid to gas ratio and gas pressure drop (for venturi type) shall be continuously monitored at all times. During routine operations, these parameters shall be maintained at least equal to or greater than the minimum one-hour average value(s) recorded in stack sampling report(s) approved by the appropriate TCEQ Regional Office performed in accordance with Special Condition No. 90.

The flow rates and pressures shall be recorded every six minutes as six-minute averages. Each flow and pressure monitoring device shall be validated at a frequency in accordance with the manufacturer's specifications, or at least annually, whichever is more frequent and shall be accurate to within 2 percent of span or 5 percent of the design value.

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

17. The opacity of emissions from the FCCU regenerator wet gas scrubber stack must not exceed 20 percent averaged over a six-minute period. An EPA-approved alternative may be used. As part of the alternative procedure, opacity (emissions) shall be correlated with the minimum FCCU venturi scrubber system pressure drop required to meet opacity (emission) limitations. The minimum operating parameters described above shall be defined during the stack sampling tests required by Special Condition No. 90. Stack sampling monitoring data shall be reduced to appropriate units according to the procedures outlined in Special Condition No. 0 and the final results shall be used to establish the minimum operating limitations for the venturi scrubber pressure drop. The minimum venturi scrubber pressure drop and liquid flow rate operating conditions must be maintained.
18. The holder of this permit shall inspect the process piping, which pneumatically conveys catalyst, for leaks of catalyst each calendar quarter and repairs any leaks which can be repaired without a process unit shutdown. Any leaks which cannot be repaired without a process unit shutdown will be placed on a shutdown list and will be repaired during the next scheduled process unit shutdown.
19. The holder of this permit shall install, operate and maintain pollution abatement equipment on the FCCU EPN, designated as EPN: 55RGNFLUGS, to achieve a total particulate matter (PM) mass emission rate of 0.82 pounds of PM per 1,000 pounds of coke burned on a three-hour average basis. Compliance with the three-hour average limitation and the MAERT limit will be determined

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pursuant to the requirements of 40 CFR § 60.8 (Performance Tests) using EPA Reference Method 5 or 5B, as appropriate.

The filterable PM emissions from the FCCU EPN: 55RGNFLUGS, shall not exceed 0.50 pounds PM (front half only) per 1,000 pounds of coke burned on a one-hour average basis. Compliance with this limitation will be determined pursuant to the requirements of 40 CFR §60.8(f)(1) (Performance Tests) using EPA Reference Method 5B.

20. The following continuous parameter monitoring protocol may be used as an alternative to the COMS required by 40 CFR § 60.105(a)(1), Subpart J, as recommended in EPA correspondence dated June 5, 1991 (copy on file):

20. The holder of this permit shall continuously monitor and record:

20. The pressure drop across the wet gas scrubber and

20. The scrubber liquid to gas ratio.

20. Quarterly reports of emission exceedances shall be submitted to the appropriate TCEQ Regional Office. An emission exceedance is defined as corresponding to any three-hour period in which the average venturi pressure differential falls below a minimum three-hour average value recorded in stack sampling report(s) approved by the appropriate TCEQ Regional Office performed in accordance with Special Condition No.90.

**Sulfur Recovery Block**

21. The Sulfur Recovery Units (SRUs) 1, 3, 4, and 5 shall comply with the total sulfur recovered limits in the following table: **(PSD)**

SRU No(s)	Operating Scenario	Short Tons/Day	Long Tons/Day
1,3,4, & 5	All SRUs	844.50	754.00
1 & 3	Without O <sub>2</sub> Enrichment	305.00	272.32
1 & 3	With O <sub>2</sub> Enrichment	398.00	355.36
4	Not Specified	364.00	325.00
5	Not Specified	364.00	325.00

22. The minimum sulfur (S) recovery efficiency for units SRU 1 and SRU 3 shall be 99.9 percent on a daily average during normal operation, not to include periods of planned start-up, shutdown, hot standby, or planned maintenance. The sulfur recovery efficiency shall be determined by calculation as follows:

Where:

$S_{Recovered_{1/3}} = S_{produced\ in\ SRU\ 1\ \&\ SRU\ 3} (lb/day)$

$S_{Acid\ Gas_{1/3}} = S_{Recovered_{1/3}} + S_{Stack_{1/3}} (lb/day)$

$S_{Stack_{1/3}} = \text{sulfur in SRU 1 \& SRU 3 incinerator stacks (lb/day)}$

The average sulfur recovery efficiency shall be demonstrated for each calendar day (24-hour period) by a mass balance calculation using data obtained from the incinerator stack SO<sub>2</sub> monitor, sulfur production records, and other process flow data. The daily sulfur recovery efficiencies shall be calculated on a monthly basis. The calculated sulfur recovery efficiencies may, at the discretion

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of the TCEQ, be used to determine compliance with the conditions of this permit. Records and copies of the compliance calculations shall be maintained.

23. The minimum sulfur recovery efficiency for the SRUs 4 and 5 shall be 99.8 percent on a daily average. The sulfur recovery efficiency shall be determined by calculation as follows:

Where:

$$S \text{ Recovered}_{4/5} = S \text{ produced in SRU 4 \& SRU 5 (lb/day)}$$

$$= (S \text{ Recovered})_{\text{total}} - (S \text{ Recovered})_{1/3}$$

$$S \text{ Acid Gas}_{4/5} = S \text{ Recovered}_{4/5} + S \text{ Stack}_{4/5} \text{ (lb/day)}$$

$$S \text{ Stack} = \text{Sulfur in SRU 4 and SRU 5 incinerator stacks (lb/day)}$$

The average sulfur recovery efficiency shall be demonstrated for each calendar day (24-hour period) by a mass balance calculation using data obtained from the incinerator stack SO<sub>2</sub> monitor, sulfur production records, and other process flow data. The daily sulfur recovery efficiencies shall be calculated on a monthly basis. The calculated sulfur recovery efficiencies may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit. Records and copies of the compliance calculations shall be maintained.

24. Per EPA Consent Decree (Case 1:07-cv-00248-MAC, paragraph 33b) the permit holder shall perform the following at the refinery so that sulfur emissions are eliminated, controlled, or included and monitored as part of a Sulfur Recovery Plant's (SRP's) emissions subject to the NSPS Subpart J limit for SO<sub>2</sub> per 40 CFR §60.104(a)(2).
24. Emissions from the sulfur pits, sulfur storage tanks and sulfur railcar and loading operations for SRU 4 and SRU 5 shall be routed to the inlet of SRU 4 or SRU 5 or the tail gas incinerators.
24. Emissions from the sulfur pits for SRU 1 and SRU 3 shall be routed to the inlet of SRU 1 or SRU 3 or the tail gas incinerators.
25. The individual in-stock concentration of SO<sub>2</sub> and oxygen and firebox temperature measurements from each of the SRUs' incinerator stacks shall be measured in accordance with Special Conditions 26 and 89. During routine operations of the SRUs the in-stock concentration of SO<sub>2</sub> and oxygen and the firebox temperature shall not exceed the limits in Attachment E, or the oxygen concentration and firebox temperature that was maintained during the last satisfactory stack test that was performed in accordance with Special Condition No. 89.
26. The SRU 1 and 3 Incinerator (EPN:15SRUINCIN), SRU 4 Incinerator (EPN: 25RUINCIN) and SRU 5 Incinerator (EPN: 36RUINCIN) firebox chamber temperature and oxygen concentration shall be continuously monitored and recorded. The temperature measurement device shall reduce the temperature readings to an averaging period of 6 minutes or less and record it at that frequency. The temperature monitor shall be installed, calibrated at least annually, and maintained according to the manufacturer's specifications. The device shall have an accuracy of the greater of ± 2 percent of the temperature being measured expressed in degrees Fahrenheit.
27. The SRUs 4 and 5 Incinerators' (EPNs: 25SRUINCIN and 36SRUINCIN) exhaust stack flow rate shall be continuously monitored and recorded in accordance with Special Condition 98.F.

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The SRU 4 and 5 Incinerators (EPNs: 25SRUINCIN and EPN: 36SRUINCIN) shall either operate with no less than 99.9 percent efficiency in disposing of the acid gas waste streams or operate with an exhaust hydrogen sulfide concentration of less than five ppmv, corrected to 3 percent oxygen.

28. Quality-assured (or valid) data must be generated when the SRUs 4 and 5 Incinerators (EPNs: 25SRUINCIN and 36SRUINCIN) are operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the SRUs 4 and 5 Incinerators (EPNs: 25SRUINCIN and 36SRUINCIN) operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded.
29. For comparison with the hourly average temperature maintained during the last satisfactory stack test, an appropriately longer averaging period for the firebox chamber average temperature, supported and justified by operating data, may be used in place of the six-minute average temperature required in Special Condition No. 26 if the following stipulations are met:
  29. At a minimum of three months prior to the start-up of the SRU 4 Incinerator (EPN: 25SRUINCIN) and SRU 5 Incinerator (EPN: 36SRUINCIN), whichever is first, the company shall submit a demonstration that short term (six-minute averaged) firebox chamber temperature readings at its existing Incinerator(s) are below the hourly average temperature recorded during the most recent stack test of the existing Incinerator(s).
  29. The demonstration required by this condition shall consist of six-minute average temperature readings from any three separate but continuous 24-hour periods within the 30 days prior to the submittal of the demonstration.
  29. Upon receipt of the data required by paragraphs A and B of this condition, the TCEQ Air Permits Division shall evaluate the supplied information. If sufficient evidence is provided demonstrating that short-term (six-minute) firebox chamber average temperatures at the existing incinerator(s) are below the hourly average from the stack test, as a result of fluctuations in the normal operating temperature, but still result in CO and SO<sub>2</sub> emissions that comply with the hourly allowable emission rate, upon approval from TCEQ Air Permits Division, operation of the SRU 4 Incinerator (EPN: 25SRUINCIN) and SRU 5 Incinerator (EPN: 36SRUINCIN) may proceed on a trial basis as described in paragraph E of this condition.
  29. However, if the data supplied by the company does not justify the use of a longer period of firebox chamber temperature monitoring and in turn the trial mode of operation specified in Special Condition No. 29, the operation of the SRU 4 Incinerator (EPN: 25SRUINCIN) and the SRU 5 Incinerator (EPN: 36SRUINCIN) shall revert back to the requirements of Special Condition No. 25.
  29. If approved by the TCEQ, the appropriately longer average firebox chamber temperature (as justified in the data required to be submitted per Condition Nos. 29A and 29B) from the SRU 4 Incinerator (EPN: 25SRUINCIN) and SRU 5 Incinerator (EPN: 36SRUINCIN) may be used for comparison to the hourly stack test firebox temperature on a trial basis of six months. The appropriately longer and six-minute average temperatures from the six-month trial run shall be supplied to the TCEQ to evaluate the temperature fluctuations and their impacts on the SRUs 4 and 5 Incinerators' (EPNs: 25SRUINCIN and 36SRUINCIN) emissions. The facility may continue to monitor the firebox chamber temperature in the trial mode for up to nine months after the incinerator start-up. Operation beyond this period requires an alteration of this permit condition.
  29. If there is sufficient data to support the continuance of the appropriately longer period of firebox chamber temperature monitoring of the SRU 4 and 5 Incinerators (EPNs: 25SRUINCIN and 36SRUINCIN), this method of temperature monitoring will be allowed to

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continue. However, if the data supplied by the company does not justify this mode of operation, temperature monitoring shall henceforth follow the requirements of Special Condition No. 25.

29. Testing was completed on April 14, 2010.
30. For SRU's 4 and 5, the liquid sulfur shall be degassed by an above grade air stripper or equivalent technology. The effluent from the degassing stripper, or equivalent technology, will be routed to the front end of the Claus reactor or the tailgas incinerator.
  30. The degassed liquid sulfur shall be routed to a covered sulfur storage pit. The breathing vents from the sulfur pit shall be routed to the incinerator or SRU.
  30. All sulfur shall be degassed to an H<sub>2</sub>S content of 100 parts per million (ppm) or less prior to loading. Records shall be maintained indicating the truck or railcar loaded, loading start and stop date and time, and the volume or weight of the sulfur loaded.
  30. The holder of this permit shall perform at his or her expense sampling and other testing as required to demonstrate the performance of the sulfur degassing system. The SRU shall operate at maximum sulfur production achievable during sampling. Sampling methods and procedures must be approved prior to sampling by the TCEQ Regional Director. The TCEQ Executive Director or designated representative shall be afforded the opportunity to observe all such sampling.
  30. The sampling required in part C of this condition shall occur within 30 days after the SRU degassing system starts operation and, after that, at least once per calendar year. Within 30 days after such sampling is completed, copies of the final sampling report shall be forwarded to the TCEQ Regional Office.
31. In the event that a sulfur recovery train must undergo an unscheduled (emergency) shutdown, the acid, and sour gas feed streams may be routed to the plant flare for a period not to exceed 24 hours. Within 4 hours of diverting the acid and sour gas feed streams to the emergency flare, the permit holder shall begin the following procedures:
  31. The accumulation of sour water and curtailment of upstream production units to reduce the acid gas feed rates to the remaining sulfur recovery train.
  31. Commencement of refinery shut-down procedures if no sulfur recovery facilities are operational.All operations in this mode shall be documented and the emissions resulting from this operation shall be estimated using good engineering practice and be recorded. The TCEQ Regional Office and any local programs shall be notified within four hours of commencing such operations.
32. During normal operations, there shall be no visible emissions from the tail gas incinerator stack(s).
33. The non-phenolic and phenolic sour water stripper surge system tanks shall be monitored as follows:
  33. Normal Operations - Non-phenolic tank TK-1002 (EPN: 37TANK1002). During periods other than those described in paragraph C below, the following shall apply:
    33. The non-phenolic sour water stripper feed tank shall provide sufficient volume such that the non-phenolic sour water residence time is three days.
    33. The sour water/hydrocarbon interface level and sour water stripper feed flow rate from the tank shall be monitored to ensure three days of residence time for the sour water in the tank.

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33. The sour water stripper feed tank shall be equipped with dual interface level detection devices which will provide sour water/hydrocarbon interface level detection continuously.
33. In order to demonstrate compliance with this condition, the outflow from TK-1002 (or feed to the sour water stripper[s] in gpm) and the sour water level in TK-1002 shall be continuously monitored and recorded. The three-day residence time shall be demonstrated using the following equation:

Where:

$L_{1002}$  = Level of TK-1002 (%)

$F_{1002}$  = Flowrate (gpm)

$T_{npr}$  = Non-Phenolic Residence time (days)

33. An alarm shall sound if the calculated residence time in TK-1002 drops below the required three-days residence time. Actions to adjust the tanks' sour water level or the sour water stripper feed flow rate (flow out of TK-1002) shall be made immediately.
33. These records shall be kept for a period of five years and be made available to representatives of the TCEQ upon request..
33. Dual Interface Detection Devices shall meet the following:
  33. Corrective action shall be taken when readings between the two level instruments differ by more than 2.0 percent over a one-hour average.
  33. Anytime one of the levels detection devices is out of service or readings from the devices differ by more than 2.0 percent over a one hour average, the sour water stripper feed tank shall be manually checked for hydrocarbons at least once per day using sight glasses or physical gauging, with the first manual check occurring within 24-hours of discovery of the discrepancy between the two devices.
33. Normal operations – phenolic tanks TK-1000 and TK-1001 (EPNs: 38TANK1000 AND 38TANK1001). During periods other than those described in paragraph C below, the following shall apply:
  33. The phenolic sour water surge system consists of TK-1000 and TK-1001 shall provide a sufficient volume between the two tanks such that the total sour water residence time is three days.
  33. These two tanks shall operate in series, with sour water first going through TK-1001 and then TK-1000. Because the two tanks are equalized, the total liquid level in the two tanks is approximately the same.
  33. Sour water surge tank TK-1001 shall be equipped with dual interface level detection devices which will provide sour water/hydrocarbon interface level detection continuously.
  33. The level of Sour water stripper feed tank TK-1000 shall be manually checked on a weekly basis.

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33. In order to demonstrate compliance with this condition, the outflow from the phenolic sour water tanks (or feed to the sour water stripper[s] in gpm) and the sour water level in the tanks shall be continuously monitored and recorded. The three-day residence time shall be demonstrated using the following equation: **(12/19)**

Where:

$F_p$  = Flowrate from TK-1000/1001 to sour water stripper (gpm)

$L_p$  = Level of TK-1000/1001 (%)

$T_{pr}$  = Phenolic Residence time (days)

33. An alarm shall sound if the calculated residence time in TK-1000 and TK-1001 drops below the required three-days residence time. Actions to adjust the tanks' sour water level or the sour water stripper feed flow rate (flow out of TK-1000) shall be made immediately.
33. These records shall be kept for a period of five years and be made available to representatives of the TCEQ upon request.
33. Dual Interface Detection Devices shall meet the following:
  33. Corrective action shall be taken when readings between the two level instruments differ by more than 5.0 percent over a one-hour average.
  33. Anytime one of the levels detection devices is out of service or readings from the devices differ by more than 5.0 percent over a one hour average, the sour water stripper feed tank shall be manually checked for hydrocarbons at least once per day using sight glasses or physical gauging, with the first manual check occurring within 24-hours of discovery of the discrepancy between the two devices.
33. If the TK-1000 total liquid level measured during the weekly manual checks differ from the total liquid level measured in TK-1001 by more than 5%, the manual checks of TK-1000 shall be changed from weekly to daily until the issue is corrected.
33. Planned Maintenance (Non-phenolic and phenolic tanks). In lieu of maintaining a 3-day residence time in the sour water stripper surge systems during planned MSS activities, the following shall apply:
  33. Only one tank can be removed from service at a time during planned MSS activity.
  33. 3-day residence time shall be restored as soon as practicable after the completion of the planned MSS activity
  33. Tanks remaining in service during the planned MSS activity, shall be maintained at the following liquid levels:



E P N	Sour Water/Hydr ocarbon Detection Method		1st Action Level - Sour Water/ Hydroc arbon Interfa ce Level	2nd Action Level - Sour Water/ Hydroc arbon Interfa ce Level	Maxim u m  Hydro c a r b o n L a y e r
	Me t h o d	Frequ e n c y	Feet / %full <sup>3</sup>	feet/%full	Feet <sup>4</sup>
Ma  TK- 1000 000	Man ually check ed	Week ly <sup>1</sup>	16.9 / 40%	12.9 / 32.2%	4
Du  TKInt 1001	eli er face	Conti nu ous <sup>2</sup>	17.6 / 41.8%	13.6 / 32.4%	4
Du  TK- 1Int 000	eli er	Conti nu ous	20.7 / 43.6%	16.7 / 35.2%	4

	<sup>2</sup> fac	e			
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- <sup>1</sup> If the interface level in TK-1000 drops below 1<sup>st</sup> action level, the monitoring frequency shall be an increase from weekly to daily
- <sup>2</sup> If measured levels differ by more than 1%, manual check daily until corrected. First manual monitoring shall be taken with 24 hours of discovery.
- <sup>3</sup> If interface levels drop below specified 1st Action Levels, actions will be taken to ensure the interface level does not go below the 2nd Action Level.
- <sup>4</sup> If hydrocarbon is detected below the 2nd Action Level or if hydrocarbon is greater than 4 feet, charge to the SWS from the tanks shall be immediately stopped until steps are taken to return sour water levels above the 1st action level or decrease hydrocarbon layer.
34. Additional requirements for the non-phenolic and phenolic sour water stripper surge system.
34. The system consists of the tanks listed in Attachment F.
34. There shall be at least 56,572 barrels of reserve (unused) capacity maintained for sour water storage.
34. The three-day reserve (unused) capacity shall only be used for sour water storage when necessary to avoid flaring of acid gases due to reduced SRU complex capacity.
34. The reserve (unused) capacity shall be restored as soon as practicable, without acid gas flaring, after the return of the sulfur recovery complex to normal operations.
34. All sour water stripper gas must be routed to a sulfur recovery unit or the plant flare system. It is not permissible under any conditions to vent the sour water stripper gases directly to the atmosphere.
35. The rich amine charge surge drums shall be equipped with a level detection device. This detector shall alarm immediately should the amine/hydrocarbon level go below the minimum set point on the level controller. In addition, the rich amine charge drums shall be manually checked for hydrocarbons at least once per day using sight glasses. Records of all alarms shall be maintained.

**Coke Handling**

36. The following requirements apply to the petroleum coke handling operations:
36. The monthly average moisture content of the coke placed on the coke conveyer belt shall be maintained with a moisture level of at least 8 percent. Water sprays shall be used as necessary throughout the coke handling and loading process to minimize particulate emissions.
36. Samples of coke shall be taken as the coke is transferred to the coke conveyer belt and analyzed at least weekly for moisture content. Coke samples shall be analyzed for moisture content using the American Society for Testing and Materials (ASTM) Method D3173, D4931 or other another method as agreed upon by the TCEQ Beaumont Regional Office. The analysis shall be done at an accredited laboratory, or a laboratory meeting the requirements of 30 TAC §25.6.
36. Records of coke production shall be maintained on-site and shall contain the hourly coke throughput (tons per hour) and the annual coke produced (TPY). These records shall be maintained for a minimum of five years and made available to representatives of the TCEQ or local program upon request.

**Cooling Towers**

37. This condition applies to all cooling towers listed in Attachment G except for the Hudson and DCP Cooling Towers (EPNs: 02HDCLGTWR and 30DCPCT1 respectively):
- 37. The cooling tower water shall be monitored monthly for VOC leakage from heat exchangers in accordance with the requirements of the TCEQ Sampling Procedures Manual, Appendix P (dated January 2003 or a later edition) or another air stripping method approved by the TCEQ Executive Director.
  - 37. Cooling water VOC concentrations above 0.08 ppmw indicate faulty equipment. Equipment shall be maintained so as to minimize VOC emissions into the cooling water. Faulty equipment shall be repaired at the earliest opportunity but no later than the next scheduled shutdown of the processing unit in which the leak occurs.
  - 37. Emissions from the cooling tower are not authorized if the VOC concentration of the water returning to the cooling tower exceeds 0.8 ppmw. The VOC concentrations above 0.8 ppmw are not subject to extensions for delay of repair under this permit condition. The results of the monitoring and maintenance efforts shall be recorded.
38. The VOC associated with the Hudson and DCP Cooling Towers (EPNs: 02HDCLGTWR and 30DCPCT1 respectively) water shall be monitored monthly with an air stripping system meeting the requirements of the TCEQ Sampling Procedures Manual, Appendix P (dated January 2003 or a later edition) or an approved equivalent sampling method. The results of the monitoring, cooling water flow rate and maintenance activities on the cooling water system shall be recorded. The monitoring results and cooling water hourly mass flow rate shall be used to determine cooling tower hourly VOC emissions. The rolling 12-month cooling water emission rate shall be recorded on a monthly basis and be determined by summing the VOC emissions between VOC monitoring periods over the rolling 12-month period. The emissions between VOC monitoring periods shall be obtained by multiplying the total cooling water mass flow between cooling water monitoring periods by the higher of the 2 VOC monitored results.
39. The Cooling Towers listed in Attachment G shall be operated and monitored in accordance with the following:
- 39. The DCP Cooling Tower and the FPM Cooling Tower shall be equipped with drift eliminators having manufacturer's design assurance of 0.001% drift or less. These drift eliminators shall be maintained and inspected at least annually. The annual inspection does not require the cooling tower cell to be removed from service to meet this requirement. The inspection requirement can be performed visually while operating and all drift eliminator components that are visible shall be visually inspected. If a cooling tower cell is removed from service due to low cooling water demand or unit shutdown, the cell's drift eliminators shall be inspected and repaired if the damage is found. Periods of low cooling water demand include partial process unit shutdowns and/or cold weather events. A cooling tower cell is considered removed from service when power to the cooling water cell's fan is isolated and entry into the cooling tower plenum can be performed safely. During each low demand period, the permit holder will determine the number of cells that can be removed from service and still meet process unit needs. The permit holder shall stagger the shutdown of the cooling tower cells during each cell shutdown to maximize the number of cells inspected during subsequent shutdowns. The permit holder shall maintain records of all inspections and repairs. If a cell has been inspected within a 1 year operating period, a subsequent inspection is not required during that 1 year operating period even if the cooling tower cell has been removed from service.
39. Total dissolved solids (TDS) shall not exceed the following:

Cooling Tower Name	EPN	Maximum TDS
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		<b>Concentration ppmw</b>
Alkylation Unit Cooling Tower	08ALKCLTWR	5,000
Cogen Unit Cooling Tower	60COGENCT	5,000
ACU No. 2 HD (Hudson) Cooling Tower	02HDCLGTWR	5,000
DCP Cooling Tower	30DCPCT1	1,820
FPM Cooling Tower	67FPMCLTWR	5,000
North Cooling Tower	67NORTHCT	5,000
805 Cooling Tower	67805CLTWR	2,500

Dissolved solids in the cooling water drift are considered to be emitted as PM, PM<sub>10</sub>, and PM<sub>2.5</sub> as represented in the permit application calculations.

39. Cooling towers shall be analyzed for particulate emissions using one of the following methods:
  39. Cooling water shall be sampled at least once per day for TDS; or
  39. TDS monitoring may be reduced to weekly if conductivity is monitored daily and TDS is calculated using a ratio of TDS-to-conductivity (in ppmw per  $\mu\text{mho/cm}$  or ppmw/siemens). The ratio of TDS-to-conductivity shall be determined by concurrently monitoring TDS and conductivity on a weekly basis. The permit holder may use the average of two consecutive TDS-to-conductivity ratios to calculate daily TDS; or
  39. TDS monitoring may be reduced to quarterly if conductivity is monitored daily and TDS is calculated using a correlation factor established for each cooling tower. The correlation factor shall be the average of nine consecutive weekly TDS-to-conductivity ratios determined using paragraph (2) above, provided the highest ratio is not more than 10% larger than the smallest ratio.
  39. The permit holder shall validate the TDS-to-conductivity correlation factor once each calendar quarter. If the ratio of concurrently sampled TDS and conductivity is more than 10% higher or lower than the established factor, the permit holder shall increase TDS monitoring to weekly until a new correlation factor can be established.
39. Cooling water sampling shall be representative of the cooling tower feed water and shall be conducted using approved methods.
  39. The analysis method for TDS shall be EPA Method 160.1, ASTM D5907, or SM 2540 C [SM - 19th edition of Standard Methods for Examination of Water]. Water samples should be capped upon collection, and transferred to a laboratory area for analysis. Short term and annual average emission rates of PM, PM<sub>10</sub>, and PM<sub>2.5</sub> shall be calculated using the measured TDS, the design drift rate and the daily maximum and average actual cooling water circulation rate. Alternately, the design maximum circulation rate may be used for all calculations.
  39. The analysis method for conductivity shall be either ASTM D1125 (1995, or more recent) or SM2510B. ASTM D1125 Method A shall be used for field or routine laboratory testing. ASTM D1125 Method B shall be used for continuous monitoring. The analysis may be conducted at the sample site or with a calibrated process conductivity meter. If a conductivity meter is used, it shall be calibrated at least annually. Documentation of the method and any associated calibration records shall be maintained.

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39. Alternate sampling and analysis methods may be used to comply with (1) and (2) with written approval from the TCEQ Regional Director. If approved by the TCEQ Regional Director, the permit holder shall submit a permit application to incorporate the alternative sampling and analysis method into the permit within 2 months of the date of written approval. This permit application may be submitted as an alteration if the project scope does not include a new facility or modification of an existing facility according to 30 TAC §116.10(9).
39. Records of all instrument calibrations and test results and process measurements used for the emission calculations shall be retained.
39. Emission rates of PM, PM<sub>10</sub>, and PM<sub>2.5</sub> shall be calculated using the measured TDS and the ratio or correlation of TDS to conductivity measurements, the design drift rate, and the daily maximum and average actual cooling water circulation rate for the short term and annual average rates. Alternately, the design maximum circulation rate may be used for all calculations. Emission records shall be updated monthly.
40. Reserved
41. Reserved

## VOC Storage Tanks

42. Storage tanks are subject to the following requirements: The control requirements specified in paragraphs A-D 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 95°F, whichever is greater, or (2) to storage tanks smaller than 25,000 gallons.
  42. 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.
  42. An open-top tank containing a floating roof (external floating roof tank) which uses a 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 weathershield is not approvable as a secondary seal unless specifically reviewed and determined to be vapor-tight.
  42. For any tank equipped with a floating roof, the permit holder shall perform the visual inspections and any seal gap measurements as specified in Title 40 Code of Federal Regulations § 60.113b (40 CFR § 60.113b) Testing and Procedures (as amended at 54 FR 32973, Aug. 11, 1989) or according to the alternative specified in 40 CFR § 60.110b(e) (as amended at 86 FR 5019, Jan. 19, 2021) to verify fitting and seal integrity. Records shall be maintained of the dates seals were inspected and seal gap measurements made, results of inspections and measurements made (including raw data), and actions are taken to correct any deficiencies noted.
  42. The floating roof design shall incorporate sufficient flotation to conform to the requirements of API Code 650 dated November 1, 1998, except that an internal floating cover need not be designed to meet rainfall support requirements and the materials of construction may be steel or other materials.
  42. Except for labels, logos, etc. not to exceed 15 percent of the tank total surface area, uninsulated tank exterior surfaces exposed to the sun shall be white or aluminum except for tanks listed in Attachment H. Storage tanks must be equipped with permanently submerged fill pipes.

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42. 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 a tank identification number, control method used, tank capacity in gallons, name of the material stored, VOC molecular weight, VOC monthly average temperature in degrees Fahrenheit, VOC vapor pressure at the monthly average material temperature in psia, VOC throughput for the previous month and year-to-date. Records of VOC monthly average temperature are not required to be kept for unheated tanks that receive liquids that are at or below ambient temperatures.
42. Emissions from modified tanks shall be calculated using the methods that were used to determine the MAERT limits in the amendment application, Form PI-1 dated February 14, 2022 and subsequent revisions. Emissions for all other tanks shall be calculated using: (a) AP-42 "Compilation of Air Pollution Emission Factors, Chapter 7 - Storage of Organic Liquids" and (b) the TCEQ publication titled "Technical Guidance Package for Chemical Sources - Storage Tanks."
42. Spent acid storage tanks (EPNs: 08TANK0668 and 08TANK0923) shall be equipped with carbon adsorption systems (CAS) meeting the requirements of Special Condition No. 82.
42. External Floating Roof Tank Nos. 22TANK0800, 22TANK0801, 22TANK0802, and 22TANK0805 shall be equipped with seals capable of meeting the tight-fitting seal factor requirements of the API Manual of Petroleum Measurement Standards, Chapter 19 (First Edition, April 1997). The primary and secondary seals shall be inspected for gaps two times per year to ensure a seal gap of 1/8 inch or less. The applicant shall conduct the gap measurements at one or more floating roof levels when the tank roof is floating off the roof leg supports.
42. Tanks identified in Attachment X are approved to store the liquids on the Approved Product List.

## Loading

43. Operation without visible liquid leaks or spills shall be maintained at all loading and unloading facilities, regardless of vapor pressure. This does not apply to momentary dripping associated with the initial connection or disconnection of fittings. All marine loading lines (including arms and hoses) and connectors on the marine loading only shall be visually inspected for any defects prior to hookup. Lines and connectors that are visibly damaged shall be removed from service. Sustained dripping from fittings during loading and unloading operations is not permitted. Liquid spills that occur during loading and unloading activities shall be reported pursuant to 30 TAC §§ 101.201 or 101.211 and shall be cleaned up immediately to minimize air emissions.
44. All marine terminal loading operations requiring emission controls as specified in Special Condition No. 46 shall use vacuum loading with a 100 percent collection efficiency. The marine loading vapor collection system shall be operated with a vacuum of at least 1.5-inch water column (-1.5 inches of water or less). Before loading a marine vessel, the owner or operator of the marine terminal shall verify that the marine vessel has passed an annual vapor tightness test as specified in 40 CFR §63.565(c) (September 19, 1995) or 40 CFR §61.304(f) (October 17, 2000) within the previous twelve months. During loading, the collection system vacuum shall be continuously monitored and recorded and the records made available to TCEQ upon request.
45. The compounds in Attachment I may be loaded uncontrolled across Dock 1 (FIN 45DOCK1), Dock 2 (FIN 45DOCK2PCV), and Dock 3 (FIN 45DOCK3PCV) at the rates in Attachment I. A compound may be loaded simultaneously at Dock 1, Dock 2 and Dock 3 at the maximum loading rate through each dock, but total annual throughput through Docks 1, 2 and 3 rates may not exceed the rates in Attachment I.

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46. The compounds listed in Attachment J shall be loaded controlled across Dock 1 (FIN 45DOCK1PCV) and Dock 3 (FIN 45DOCK3PCV) at the rates in Attachment J. Any authorized compound listed on the table may be loaded simultaneously at both Dock 1 and Dock 3 at a maximum combined loading rate of 10,500 gallons per minute (gpm) and a maximum loading rate through one dock of 7,000 gpm, but total annual throughput through Docks 1 and 3 may not exceed the rates in the table. Emissions from these loading operations shall be routed to either the Marine Terminal Vapor Combustor 1 Stack (EPN: 45DOCKTO1) or the Marine Terminal Vapor Combustor 2 Stack (EPN: 45DOCKTO2) operated in accordance with Special Condition No. 49.
  
47. The liquid truck and rail car loading/unloading racks shall comply with the following requirements:
  47. The racks shall be operated without visible liquid leaks or spills at all loading/unloading facilities, regardless of vapor pressure. This does not apply to momentary dripping associated with the initial connection or disconnection of fittings. Sustained dripping from fittings during loading/unloading operations is not permitted. Any liquid spill that occurs during loading/unloading activities shall be reported pursuant to 30 TAC § 101 Subchapter F relating to Emissions Events and Scheduled Maintenance, Start-up, and Shutdown Activities and shall be cleaned up immediately to minimize air emissions.
  47. The maximum throughput limits at the tank truck loading terminal (routed to EPN: 20GASSORB) are listed in Attachment K.
  47. The holder of the permit shall operate a vapor collection system designed to maintain a vacuum on each tank truck during the loading process. The permittee shall maintain a written plan describing the actual as-built vapor control system. The information maintained should include but not be limited to:
    47. Minimum vacuum.
    47. Typical range relief valve setting on the gasoline trucks.
    47. Relief valve setting on the vapor collection system.
    47. Instruction and feed interlock to ensure the vacuum is maintained.
    47. Continuous measurement of vacuum between truck and control valve of the collection system.
  47. All compounds loaded into tank trucks from the tank truck loading terminal shall have the collected loading vapors burned in the non-regenerative carbon identified as EPN: 20GASSORB.
  
48. The LPG loading/unloading racks shall comply with the following requirements:
  48. Authorized LPG materials are included in Attachment L.
  48. Tank truck and rail car loading emissions in each loading hose shall be vapor balanced back to the pressurized storage tank(s).
  48. In order to minimize VOC emissions when the tank truck is disconnected from the loading hose (EPN: 28LPGHOSE), the loading line shall be depressurized to the flare system prior to physically disconnecting the tank truck and loading line.

## Marine Terminal Vapor Combustors

49. The Marine Terminal Vapor Combustor 1 Stack (EPN: 45DOCKTO1) and Marine Terminal Vapor Combustor 2 Stack (EPN: 45DOCKTO2) shall be designed and operated in accordance with the following requirements:

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49. The vapor combustor unit (VCU) shall achieve a VOC destruction efficiency equal to or greater than 99.8 percent of the waste gas directed to it. This shall be ensured by maintaining the temperature in, or immediately downstream of, the combustion chamber above 1580°F prior to the initial stack test when waste gas is fed to the VCU. Following the completion of that stack test performed in accordance with Special Condition No. 89, the six-minute average temperature shall be at greater than the respective hourly average maintained during the most recent satisfactory stack testing when waste gas is fed to the VCU.
49. The VCU exhaust temperature shall be continuously monitored and recorded when waste gas is directed to the VCU. The temperature measurement device shall reduce the temperature readings to an averaging period of six minutes or less and record it at that frequency. The temperature measurement device shall be installed, calibrated or have a calibration check performed at least annually, and maintained according to accepted practice and the manufacturer's specifications. The device shall have an accuracy of the greater of  $\pm 2$  percent of the temperature being measured expressed in degrees Celsius or  $\pm 2.5^\circ\text{C}$ .

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

49. The vapor combustor shall be operated with no visible emissions and have a flame present during all times waste gas could be directed to it. The flame shall be continuously monitored by a thermocouple, an infrared monitor, and/or a flame scanner. The time, date, and duration of any loss of flame shall be recorded. The flame scanner shall have a performance check performed at a frequency in accordance with the manufacturer's specifications.
49. Fuel gas combusted at these VCUs shall be sweet natural gas containing no more than 5 grains of total sulfur per 100 dry standard cubic feet.

## Flares

50. Reserved
51. Reserved

## Vapor Combustors

52. The emissions from the benzene storage tanks listed in Attachment M shall be routed to the Vapor Combustors as indicated.
53. The 22BZNTKFLR vapor combustor shall operate with no less than 99 percent efficiency in disposing of ethylene and propylene, and 98 percent efficiency in disposing of other carbon compounds captured by the collection system.
54. The Tank 926 Vapor Combustor (EPN: 22TK926FLR) and the Tanks 928, 929, and 930 Vapor Combustor (EPN: 50BZTNKFLR) shall be designed and operated in accordance with the following requirements:
  54. Acceptable flame stability shall be continuously monitored. This scanner shall provide a control signal to add assist natural gas to the vapor combustor to ensure proper flame stability and to determine compliance with a 98 weight percent VOC destruction efficiency. This operation shall be verified through testing.



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54. Each Vapor Combustor shall have a proper equipment operation and maintenance and preventive maintenance program for the detector that includes at least the following:
  54. Replacement of the U.V. tube in the scanner as indicated by the monthly flame current check.
  54. Annual flame failure check.
  54. Monthly flame current check.

## Compliance Assurance Monitoring (CAM)

55. The following requirements apply to capture systems for the FCCU (EPN: 55RGNFLUGS), and SRUs 1, 3, 4 & 5 (EPNs: 15SRUINCIN, 25SRUINCIN, 36SRUINCIN).
  55. If used for particulate control, complete either of the following once a year
    55. Inspect any fan and verify proper operation and inspect the capture system to verify there are no cracks, holes, tears, and other defects; or
    55. Verify there are no fugitive emissions escaping from the capture system by performing a visible emissions observation for a period of at least six minutes in accordance with 40 CFR Part 60, Appendix A, Test Method 22.
  55. If used to control pollutants other than particulate, either:
    55. 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
    55. 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.
  55. The control device shall not have a bypass.
  55. The date and results of each inspection performed shall be recorded. If the results of any inspection are not satisfactory, the deficiencies shall be recorded and the permit holder shall promptly take necessary corrective action, recording each action with the date completed.

## Fugitive Monitoring

56. Piping, Valves, Connectors, Pumps, Agitators, and Compressors - 28VHP (PSD)

Except as may be provided for in the special conditions of this permit, the following requirements apply to EPN: 28VHPFUG:

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

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

56. piping and instrumentation diagram (PID);
56. a written or electronic database or electronic file;
56. color coding;
56. a form of weatherproof identification; or

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56. designation of exempted process unit boundaries.
56. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable American National Standards Institute (ANSI), American Petroleum Institute (API), American Society of Mechanical Engineers (ASME), or equivalent codes.
56. 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.
56. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak-checking during plant operation. Difficult-to-monitor and unsafe-to-monitor valves, as defined by Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), shall be identified in a list to be made readily available upon request. The difficult-to-monitor and unsafe-to-monitor valves may be identified by one or more of the methods described in subparagraph A above. If an unsafe-to-monitor component is not considered safe to monitor within a calendar year, then it shall be monitored as soon as possible during safe-to-monitor times. A difficult-to-monitor component for which quarterly monitoring is specified may instead be monitored annually.
56. 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;
56. a cap, blind flange, plug, or second valve must be installed on the line or valve; or
56. The open-ended valve or line shall be monitored once for leaks above background for a plant or unit turnaround lasting up to 45 days with an approved gas analyzer and the results recorded. For all other situations, the open-ended valve or line shall be monitored once within the 72 hour period following the creation of the open-ended line and monthly thereafter with an approved gas analyzer and the results recorded. For turnarounds and all other situations, leaks are indicated by readings of 500 ppmv and must be repaired within 24 hours or a cap, blind flange, plug, or the second valve must be installed on the line or valve.
56. 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 ruptured disc upstream or venting to a control device are not required to be monitored. If a relief valve is equipped with a ruptured disc, a pressure-sensing device shall be installed between the relief valve and rupture disc to monitor disc integrity.
- A check of the reading of the pressure-sensing device to verify disc integrity shall be performed at least quarterly and recorded in the unit log or equivalent. Pressure-sensing devices that are continuously monitored with alarms are exempt from recordkeeping requirements specified in this paragraph. All leaking discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

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The gas analyzer shall conform to requirements listed in Method 21 of 40 CFR part 60, appendix A.

The gas analyzer shall be calibrated with methane. In addition, the response factor of the instrument for a specific VOC of interest shall be determined and meet the requirements of Section 8 of Method 21. If a mixture of VOCs is being monitored, the response factor shall be calculated for the average composition of the process fluid. A calculated average is not required when all of the compounds in the mixture have a response factor of less than 10 using methane. If a response factor less than 10 cannot be achieved using methane, then the instrument may be calibrated with one of the VOC to be measured or any other VOC so long as the instrument has a response factor of less than 10 for each of the VOC to be measured.

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

56. Except as may be provided for in the special conditions of this permit, all pump, compressor, and agitator seals shall be monitored with an approved gas analyzer at least quarterly or be equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. Seal systems designed and operated to prevent emissions or seals equipped with an automatic seal failure detection and alarm system need not be monitored. These seal systems may include (but are not limited to) dual pump seals with barrier fluid at a 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.
56. Damaged or leaking valves or connectors found to be emitting VOC in excess of 500 parts per million by volume (ppmv) or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. Damaged or leaking pump, compressor, and agitator seal found to be emitting VOC in excess of 2,000 ppmv or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. A first attempt to repair the leak must be made within 5 days and a record of the attempt shall be maintained.
56. A leaking component shall be repaired as soon as practicable, but no later than 15 days after the leak is found. If the repair of a component would require a unit shutdown that would create more emissions than the repair would eliminate, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging within 15 days of the detection of the leak. A listing of all components that qualify for delay of repair shall be maintained on a delay of repair list. The cumulative daily emissions from all components on the delay of the 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 the 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.
56. Records of repairs shall include the date of repairs, repair results, the 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.

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56. Alternative monitoring frequency schedules of 30 TAC 115.352 - 115.359 or National Emission Standards for Organic Hazardous Air Pollutants, 40 CFR Part 63, Subpart H, may be used in lieu of Items F through G of this condition.
56. Compliance with the requirements of this condition does not assure compliance with requirements of 30 TAC Chapter 115, an applicable New Source Performance Standard (NSPS), or an applicable National Emission Standard for Hazardous Air Pollutants (NESHAPS) and does not constitute approval of alternative standards for these regulations.
57. Piping, Valves, Connectors, Pumps, Agitators and Compressors, in contact with VOC- Intensive Directed Maintenance - 28MID

Except as may be provided for in the special conditions of this permit, the following requirements apply to EPN: 28MIDFUG:

57. The requirements of paragraphs F and G shall not apply (1) 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 (2) operating pressure is at least 5 kilopascals (0.725 psi) below ambient pressure. Equipment excluded from this condition shall be identified in a list or by one of the methods described below to be made available upon request.

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

57. piping and instrumentation diagram (PID);
57. a written or electronic database or electronic file;
57. color coding;
57. a form of weatherproof identification; or
57. designation of exempted process unit boundaries.
57. 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.
57. 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.
57. 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.
57. 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

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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;

57. a cap, blind flange, plug, or second valve must be installed on the line or valve; or
57. 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 the second valve must be installed on the line or valve.

57. 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 ruptured 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 of 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.

57. 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 a 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 pumps, compressors, and agitator seals shall be monitored with an approved gas analyzer at least quarterly.

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57. 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 the 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 the 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.

57. 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.

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

$$(Vl + Vs) \times 100/Vt = Vp$$

Where:

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

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

Vt = 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.

Vp = the percentage of leaking valves for the monitoring period.

57. Records of repairs shall include the date of repairs, repair results, the 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.

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57. 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.
57. If an unsafe-to-monitor component is not considered safe to monitor within a calendar year, then it shall be monitored as soon as possible during safe-to-monitor times. A difficult-to-monitor component for which quarterly monitoring is specified may instead be monitored annually
58. Piping, Valves, Pumps, Agitators, and Compressors - Intensive Directed Maintenance - 28LAER

Except as may be provided for in the special conditions of this permit, the following requirements apply to EPNS: LAERCNQFUG and LAERCNAFUG:

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

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

58. piping and instrumentation diagram (PID);
58. a written or electronic database or electronic file;
58. color coding;
58. a form of weatherproof identification; or
58. designation of exempted process unit boundaries.
58. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable American National Standards Institute (ANSI), American Petroleum Institute (API), American Society of Mechanical Engineers (ASME), or equivalent codes.
58. 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.
58. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak-checking during plant operation. Difficult-to-monitor and unsafe-to-monitor valves, as defined by Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), shall be identified in a list to be made readily available upon request. The difficult-to-monitor and unsafe-to-monitor valves may be identified by one or more of the methods described in subparagraph A above. If an unsafe to monitor component is not considered safe to monitor within a calendar year, then it shall be monitored as soon as possible during safe to monitor times. A difficult to monitor component for which quarterly monitoring is specified may instead be monitored annually.
58. 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. In addition, all connectors not exempted under paragraph

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A of this condition shall be monitored by leak-checking for fugitive emissions at least quarterly using an approved gas analyzer with a directed maintenance program in accordance with items F through J of this special condition. In lieu of the monitoring frequency specified above, 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.

The percent of connectors leaking used in paragraph B 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.

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;

58. a cap, blind flange, plug, or second valve must be installed on the line or valve; or
  58. 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 the second valve must be installed on the line or valve.
58. Accessible valves shall be monitored by leak checking for fugitive emissions at least quarterly using an approved gas analyzer with a directed maintenance program. Non-accessible valves shall be monitored by leak-checking for fugitive emissions at least annually 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 ruptured 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



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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.

The gas analyzer shall conform to requirements listed in Method 21 of 40 CFR part 60, appendix A.

The gas analyzer shall be calibrated with methane. In addition, the response factor of the instrument for a specific VOC of interest shall be determined and meet the requirements of Section 8 of Method 21. If a mixture of VOCs is being monitored, the response factor shall be calculated for the average composition of the process fluid. A calculated average is not required when all of the compounds in the mixture have a response factor of 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. Replaced components shall be re-monitored within 15 days of being placed back into VOC service.

58. 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 a 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 pumps, compressors, and agitator seals shall be monitored with an approved gas analyzer at least quarterly.

58. 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 first attempt to repair the leak must be made within 5 days. Records of the first attempt to repair shall be maintained. 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 the 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 the 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.

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58. Records of repairs shall include the date of repairs, repair results, the 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.
58. Compliance with the requirements of this condition does not assure compliance with requirements of 30 TAC Chapter 115, an applicable New Source Performance Standard (NSPS), or an applicable National Emission Standard for Hazardous Air Pollutants (NESHAPS), and does not constitute approval of alternative standards for these regulations.
58. 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.

58. The percent of valves leaking used in paragraph K shall be determined using the following formula:

$$(VI + Vs) \times 100/Vt = Vp$$

Where:

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

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

Vt = 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.

Vp = the percentage of leaking valves for the monitoring period.

58. Any component found to be leaking by physical inspection (i.e., sight, sound, or smell) shall be repaired or monitored with an approved gas analyzer within 15 days to determine whether the component is leaking in excess of 500 ppmv of VOC. If the component is found to be leaking in excess of 500 ppmv of VOC, it shall be subject to the repair and replacement requirements contained in this special condition.
58. In lieu of the monitoring schedule from paragraph E of this condition, connectors within EPN: LAERCNAFUG are subject only to annual monitoring.

59. Audio, Visual and Olfactory (AVO) Program

59. Piping, Valves, Pumps, Agitators, and Compressors in H<sub>2</sub>S Service at SRU-1, SRU-3, SCOT, DHT-1, and DHT-2.

Audio, olfactory, and visual checks for H<sub>2</sub>S leaks within the operating area shall be made at least once per shift by operator walk-through.

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59. Piping, Valves, Pumps, Agitators, and Compressors in Sour Water Service at Tanks 1000 and 1001.

Audio, olfactory, and visual checks for VOC, NH<sub>3</sub> and H<sub>2</sub>S leaks within the operating area shall be made at least once per shift by operator walk-through.

59. Piping, Valves, Pumps, Agitators, and Compressors in Heavy Liquid Service at the following EPNS: 22OSFKFUG, 45DOCK1FUG, 45DOCK2FUG, and 45DOCK3FUG.

Flanges and components in heavy liquid service shall have audio, olfactory, and visual checks for VOC leaks within the operating area on a weekly basis.

Immediately, but not later than one hour upon detection of a leak, plant personnel shall take the following actions:

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

Records shall be maintained at the plant site of all repairs and replacements made due to leaks. Records shall indicate dates of leak detection and repair, sulfur plant identification, identification of items found leaking, leak repair action, results of a repair action, and other corrective actions are taken. These records shall be maintained for a period of five years and shall be made available to representatives of the TCEQ upon request.

**Planned Maintenance, Start-up, & Shutdown (MSS)**

60. For Special Conditions related to MSS, the term true vapor pressure (TVP) is used in lieu of the term partial pressure in this permit.
61. This permit authorizes the emissions from the facilities identified in Attachment Q for the planned MSS activities summarized in the MSS Activity Summary (Attachment P) attached to this permit.

Attachment N identifies the inherently low emitting MSS activities that may be performed at the refinery. Emissions from activities identified in Attachment N 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 N 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 O may be tracked through work orders or equivalent. Monthly emissions from activities identified in Attachment O shall be calculated using the number of work orders or equivalent each month and the emissions associated with that activity identified in the permit application. In lieu of using the emissions identified in the permit application, the permit holder may record the information identified in Special Condition No. 98.N.

The performance of each planned MSS activity not identified in Attachments N or O shall be recorded and shall include at least the information required by Special Condition No. 98.N.

62. Process units and facilities, with the exception of those identified in Special Condition Nos. 64 (related to Floating Roof Tanks), 65 (related to Fixed Roof Tanks), 67 (related to frac or temporary tanks), atmospheric storage tanks, and activities listed in Attachment N, shall operate in accordance with the following requirements during MSS.
62. For equipment that contains material with a True Vapor Pressure (TVP) less than 0.50 psi at normal process temperature and at 95 degrees F, the equipment may not be opened to the atmosphere for maintenance until all liquids are removed to the maximum extent practical.

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Liquids must be drained into a closed vessel or controlled wastewater system unless prevented by the physical configuration of the equipment. If it is necessary to drain liquid into an open pan or sump, the liquid must be covered or transferred to a covered vessel within one hour of being drained.

62. For equipment that contains material that does not meet the criteria in part A of this condition, the equipment shall not be opened to atmosphere for maintenance, except as specified in paragraph D below, until all liquids and vapors are removed to the maximum extent practical as follows:
  62. Two-phase materials (i.e., vapor and liquid) shall be routed to a knockout drum or equivalent to allow for managed initial phase separation. Any vents in the system must be routed to a control device or a controlled recovery system. The control must remain in place until degassing has been completed per paragraph C of this special condition or the system is no longer vented to atmosphere.
  62. Liquids must be drained into a closed vessel or controlled wastewater system unless prevented by the physical configuration of the equipment. If it is necessary to drain liquid into an open pan or sump, the liquid must be covered or transferred to a covered vessel within one hour of being drained,
  62. The concentration in the vapor space is determined to have a VOC concentration less than or equal to 10,000 parts per million by volume (ppmv) as VOC, or 10 percent of the lower explosive limit (LEL), as measured with an instrument meets the requirements of Special Condition No. 63. The VOC concentration shall be reduced in accordance with part C of this condition.
62. Equipment for which controlled degassing is required under this condition 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 facilities to be degassed shall not be vented directly to the 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.
  62. For MSS activities identified in Attachment O, the facilities being prepared for maintenance may be vented directly to the atmosphere when the VOC concentration has been verified to be less than 10 percent of the LEL per the site safety procedures.
  62. 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 the VOC concentration is less than 10,000 ppmv or 10 percent of the LEL prior to uncontrolled venting. Documented refinery procedures used to deinventory 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. 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], piping and instrumentation diagrams [P&IDs], or Turnaround and Inspection Plans [T&I Plans]) may be used to demonstrate compliance with the requirement). The VOC sampling and analysis shall be performed using an instrument meets the requirements of Special Condition No. 63. 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.

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62. Alternatively, the process equipment may be filled with a liquid with a VOC vapor pressure less than 0.147 psi while venting to control. If it can be verified that the liquid-filled the entire process equipment or vessel, no sampling is necessary. If not, the VOC concentration shall be verified to be less than 10,000 ppmv or 10 percent of the LEL using an instrument meets the requirements of Special Condition No. 63 while purging to control immediately after draining the liquid from the system. The locations and/or identifiers where the liquid enters the process equipment or storage vessel and the exit points for the exhaust gases shall be recorded. PFDs, P&IDs, or T&I Plans may be used to demonstrate compliance with the requirement.
62. Equipment containing materials with a TVP greater than 0.50 psi may be vented directly to the atmosphere if all the following criteria are met:
  62. It is not technically practicable to depressurize or degas, as applicable, into the process.
  62. There is not an available connection to a plant control system (flare).
  62. There are no more than 50 pounds of air contaminants to be vented to the atmosphere during each shutdown or start-up of a piece of equipment, as applicable.

All instances of venting directly to the atmosphere per this Special Condition 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, shift logs, or equivalent for those planned MSS activities identified in Attachment O.

63. Air contaminant concentration shall be measured using an instrument/detector meeting one set of requirements specified below.
  63. VOC concentration shall be measured using an instrument meets all the requirements specified in EPA Method 21 (40 CFR Part 60, Appendix A) with the following exceptions:
    63. The instrument shall be calibrated within 24 hours of use with calibration gas. The calibration gas used and its concentration, and the vapor to be sampled and its approximate response factor (RF), shall be recorded. If the RF of the VOC (or a mixture of VOCs) to be monitored is greater than 2.0, the VOC concentration shall be determined as follows:
      63. VOC Concentration = Concentration as read from the instrument \* RF 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 five minutes and the greatest VOC concentration recorded. The highest measured VOC concentration shall not exceed the specified VOC concentration limit prior to uncontrolled venting.
      63. If a TVA-1000 series FID analyzer calibrated with methane is used to determine the VOC concentration, a measured concentration of 34,000 ppmv may be considered equivalent to 10,000 ppmv as VOC.
  63. Colorimetric gas detector tubes may be used to determine VOC concentrations if they are used in accordance with the following requirements.
    63. 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 paragraph (3), the concentration measured is at least 20 percent of the maximum range of the tube.
    63. The tube is used in accordance with the manufacturer's guidelines.
    63. At least two samples taken at least five minutes apart must satisfy the following prior to uncontrolled venting:

Measured contaminant concentration (ppmv) < release concentration (ppmv).

Where the release concentration is:

(10,000 ppmv)\*(mole fraction of the total VOC present that can be detected by the tube)

The mole fraction of the total VOC present 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.

63. Lower explosive limit measured with a lower explosive limit detector.
  63. The detector shall be calibrated monthly with a certified pentane gas standard at 25 percent of the LEL for pentane. Records of the calibration date/time and calibration result (pass/fail) shall be maintained.
  63. 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 percent of the calibration gas certified value. Records, including the date/time and test results, shall be maintained.
  63. A certified methane gas standard equivalent to 25 percent of the LEL for pentane may be used for calibration and functionality tests provided that the LEL response is within 95 percent of that for pentane.
64. This permit authorizes emissions from EPN: MSS\_TANK for the storage tanks identified in the MAERT 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. Tank change of service includes landings to accommodate seasonal RVP spec changes and landings to correct off-spec material that cannot be blended into finished product tanks. 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.
  64. 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 using existing hard-piped lines without entering the tank. The 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 during this process.

This requirement does not apply if the level is lowered to allow for maintenance that is expected to be completed in less than 24 hours. In that case, the tank must be filled and the roof floated within 24 hours of landing the roof and the evolution documented in accordance with paragraph F of this Special Condition.
  64. If the VOC TVP 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. Floating roof tanks with liquid capacities less than 100,000 gallons may be degassed without control if the VOC TVP of the standing liquid in the tank has been reduced to less than 0.020 psia prior to ventilating the tank. Controlled degassing of the vapor space under landed roofs shall be completed as follows:

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64. 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 until the VOC vapor 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. A vacuum or negative pressure in the vapor space under the floating roof shall be maintained during degassing to the control device or controlled recovery system.
64. 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.
64. 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. Documented refinery procedures used to de-inventory equipment control devices 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. The VOC sampling and analysis shall be performed as specified in Special Condition No. 63.
64. 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.
64. Degassing must be performed every 24 hours unless there is no standing liquid in the tank or the VOC TVP of the remaining liquid in the tank has been lowered to less than 0.15 psia.
64. After the liquid has been drained from the tank to the maximum extent practicable using existing hard-piping, 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.
  64. Minimize air circulation in the tank vapor space.
    64. 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 airflow through the tank.
    64. Access points shall be closed when not in use.
  64. Minimize time and VOC TVP.
    64. The VOC TVP of the liquid remaining in the tank shall not exceed 0.05 psi as documented by the method specified in part D(1) of this condition and 0.15 psi as documented by the method specified in part D(1) of this condition for fixed-roof tanks;
    64. Blowers may be used to move air through the tank without emission control at a rate not to exceed 20,000 cfm for no more than 80 hours for floating roof tanks and 24 hours for fixed-roof tanks. All standing liquid shall be removed from the tank during this period; and
    64. 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.

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64. 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 TVP less than 0.02 psia. These criteria shall be demonstrated in any one of the following ways.
  64. The liquid that is soluble with the liquid previously stored may be added to the tank to lower the VOC TVP of the liquid mixture remaining in the tank to less than 0.020 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 TVP may be estimated based on this information and engineering calculations.
  64. If water is added or sprayed into the tank to remove standing VOC, one of the following must be demonstrated:
    64. Take a representative sample of the liquid remaining in the tank and verify no visible sheen using the static sheen test from 40 CFR Chapter 435, Subpart A, Appendix 1.
    64. 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).
    64. Stop ventilation and close the tank for at least 24 hours. When the tank manway is opened after this period, verify VOC concentration is less than 1000 ppmv through the procedure in Special Condition No. 63.
  64. No standing liquid verified through visual inspection.
  64. Once the VOC TVP is verified less than 0.02 psia, any subsequent/additional water flushes that may be performed do not trigger additional verification. The permit holder shall maintain records to document the method used to release the tank.
64. Tanks shall be refilled as rapidly as practicable until the roof is off its legs.
64. The occurrence of each roof landing and the associated emissions shall be recorded and the rolling 12-month tank roof landing emissions shall be updated on a monthly basis. These records shall include at least the following information:
  64. the identification of the tank and emission point number, and any control devices or recovery systems used to reduce emissions;
  64. the reason for the tank roof landing;
  64. for the purpose of estimating emissions, the date and time of each of the following events:
    64. the roof was initially landed;
    64. all liquid was pumped from the tank to the extent practicable;
    64. start and completion of controlled degassing, and total volumetric flow;
    64. all standing liquid was removed from the tank or any transfers of low VOC vapor pressure liquid to or from the tank including volumes and vapor pressures to reduce tank liquid VOC TVP to less than 0.05 psia at 95°F;
    64. if there is liquid in the tank with a VOC TVP greater than 0.02 psia at 95°F, start and completion of uncontrolled degassing and total volumetric flow;
    64. filling commenced, liquid filling the tank, and the volume necessary to float the roof; and
64. tank roof off supporting legs, floating on liquid.



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65. Fixed-roof storage tanks are subject to the requirements of Special Condition Nos. 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 No. 64.B(1) through 64.B(4). Records shall be maintained per Special Condition No. 64.F(3)(c) through 64.F(3)(e), and 98.N(8).
  
66. The following requirements apply to vacuum and air mover truck operations to support planned MSS at this site:
  66. Vacuum pumps and blowers shall not be operated on trucks containing or vacuuming liquids with VOC TVP greater than 0.50 psi at 95°F unless the vacuum/blower exhaust is routed to a control device or a controlled recovery system.
  66. If the vacuum truck exhaust is directed to a control device, VOC exhaust concentration shall be recorded upon commencing each transfer, at the end of each transfer, and at least every hour during each transfer, measured using an instrument meets the requirements of Special Condition No. 63. If colorimetric gas detector tubes are used only one tube is required per sampling event.
  66. If the vacuum truck exhaust is not controlled, the following requirements apply.
    66. Equip fill line intake with a duckbill or equivalent attachment if the hose end cannot be submerged in the liquid being collected.
    66. Prior to initial use, identify any liquid in the truck. The document that the VOC TVP is less than 0.50 psi. Prior to each liquid transfer, identify the liquid to be transferred and document that the VOC TVP is less than 0.50 psi.
    66. 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.
  66. 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 vacuum truck volume and the physical properties of the liquid vacuumed with the greatest potential emissions. Rolling 12-month vacuum truck emissions shall also be determined on a monthly basis.
  66. If the VOC TVP 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 paragraphs A through D of this condition do not apply.
  
67. The following requirements apply to frac or temporary, tanks and vessels used in support of planned MSS activities.
  67. Except for labels, logos, etc. not to exceed 15 percent of the tank/vessel total surface area, the exterior surfaces of these tanks/vessels that are exposed to the sun shall be white or aluminum effective May 1, 2013. This requirement does not apply to tanks/vessels that only vent to the atmosphere when being filled.
  67. These tanks/vessels must be covered and equipped with fill pipes that discharge within six inches of the tank/vessel bottom.
  67. 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 the atmosphere.

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67. 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 a tank identification number, dates put into and removed from service, the control method used, tank capacity and volume of liquid stored in gallons, name of the material stored, VOC molecular weight, and VOC TVP 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.
67. If the tank/vessel is used to store liquid with VOC TVP 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.
68. Planned MSS activities represented in the permit application at facilities in Attachment P 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.
69. All permanent facilities must comply with all operating requirements, limits, and representations in this permit 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.
69. Combustion units, with the exception of flares, at this site, are exempt from NO<sub>x</sub> and CO operating requirements identified in special conditions in this permit during planned start-up and shutdown if the following criteria are satisfied.
  69. The maximum allowable emission rates in the permit authorizing the facility are not exceeded, with the exception of the DHT-3 Charge Heater (EPN: 43DHT3CHTR) and DCU Heaters 1 and 2 (EPNs: 30CKRHTR1 and 30CKRHTR2) as specified in Special Condition No. 73 of this permit.
  69. For EPN: 60COGENSTK, the start-up period does not exceed 12 hours in duration, and the firing rate does not exceed 60 percent of the baseload.
  69. For all other combustion sources, the start-up period does not exceed 8 hours in duration, except as allowed in paragraph (4), 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.
  69. Heaters may be fired at rates not to exceed 20 percent of the design firing rate for up to 24 hours during startup.
  69. Control devices are started and operating properly when venting a waste gas stream.
  69. A record is maintained indicating that requirements A through C are satisfied for the startup and shutdown.
69. The limits identified below apply to the operations of the specified facilities during startup and shutdown.
  69. FCCU
    69. The hourly average sulfur dioxide and carbon monoxide concentrations during start-up shall not exceed 500 and 2000 ppmvd corrected to 0 percent oxygen, respectively. These emissions are authorized by this permit (EPN: 55RGNFLUGS).
    69. All other operations and air emissions from the wet gas scrubber shall be compliant with the requirements of this permit.

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69. SRU
  69. SRUs shall only be idled when necessary for planned maintenance or in cases of low sulfur load at the refinery, to maintain sufficient load on the operating units to ensure proper operation.
  69. The SRU must be turned down as much as possible prior to being shut down or idled.
  69. SRU incinerators shall oxidize at least 99.9 percent of the hydrogen sulfide directed to them to sulfur dioxide during the SRU startup and shutdown.
69. Benzene tank flare. The internal floating roof shall not be landed upon its legs during benzene tank flare maintenance.
69. VDU-1 heater (EPN: 01VACTH301). The heater may be shut down for planned MSS and the Merox unit vented to atmosphere for no more than 720 hours in any rolling 12-month period
69. A record shall be maintained indicating that the start and end times each of the activities identified above occur and documentation that the requirements for each have been satisfied. All emission monitoring devices required by the permit authorizing the facility must be maintained in operation when air emissions occur during start-up and shutdown.
70. Temporary control devices required by this permit for emissions from planned MSS activities are limited to those types identified in this condition. Control devices shall be operated with no visible emissions except periods not to exceed a total of five minutes during any two consecutive hours. Each device used must meet all the requirements identified for that type of control device.

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

70. Carbon Adsorption System (CAS).
  70. The CAS shall consist of two carbon canisters in series, each with adequate carbon supply for the emission control operation.
  70. The CAS shall be sampled downstream on the first can and the concentration recorded at least once every hour of CAS run time to determine the breakthrough of the VOC. The sampling frequency may be extended using either of the following methods:
    70. 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.
    70. The carbon sampling frequency may be extended to longer periods based on previous experience with carbon control of an 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 a breakthrough is monitored on the initial sample of the upstream can when the polishing can is put in place, a permit deviation shall be recorded.
  70. The method of VOC sampling and analysis shall be by detector meeting the requirements of Special Condition No. 63.
  70. Breakthrough is defined as the highest measured VOC concentration at or exceeding 100 ppmv above background. When the condition of the breakthrough of VOC from the initial saturation canister occurs, the waste gas flow shall be stopped or switched to the second canister and a fresh canister shall be placed as the new final polishing canister prior to the next scheduled sample. Sufficient new activated carbon canisters

shall be available to replace spent carbon canisters such that replacements can be done in the above specified time frame.

70. Records of CAS monitoring shall include the following:
  70. Sample time and date.
  70. Monitoring results (ppmv).
  70. Canister replacement log.
70. Single canister systems are allowed if the time the carbon canister is in service is limited to no more than 30 percent of the minimum potential saturation time. The permit holder shall maintain records for these systems, including the calculations performed to determine the saturation time. The time limit on carbon canister service shall be recorded and the expiration date attached to the carbon can.
70. Thermal Oxidizer.
  70. The thermal oxidizer firebox exit temperature shall be maintained at not less than 1400°F and waste gas flows shall be limited to assure at least a 0.5 second residence time in the firebox while waste gas is being fed into the oxidizer.
  70. The thermal oxidizer exhaust temperature shall be continuously monitored and recorded when waste gas is directed to the oxidizer. The temperature measurements shall be made at intervals of six minutes or less and recorded at that frequency. Temperature measurements recorded in continuous strip charts may be used to meet the requirements of this section. 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 Fahrenheit.
  70. As an alternative to paragraph B(1) of this Special Condition, the thermal oxidizer may be tested to confirm a minimum of 99 wt. percent destruction efficiency within the past 12-months. The results of the test will be used to determine the minimum operating temperature and residence time. Stack VOC concentrations and flow rates shall be measured in accordance with applicable the United States Environmental Protection Agency (EPA) Reference Methods. A copy of the test report shall be maintained with the thermal oxidizer and a summary of the testing results shall be included with the emission calculations.
  70. As an alternative to B(1)-B(2) of this Special Condition, the thermal oxidizer may be equipped with a continuous VOC monitor (inlet and outlet). In order to demonstrate compliance with this requirement, inlet VOC and outlet VOC concentrations shall be measured and inlet and outlet, VOC mass rates shall be calculated on an hourly basis to confirm a minimum 99 weight percent destruction efficiency or an exhaust concentration not greater than 20 ppmv.
70. Internal Combustion Engine.
  70. The internal combustion engine shall have a VOC destruction efficiency of at least 99 percent.
  70. The engine must have been stack tested with butane or propane to confirm the required destruction efficiency within the period specified in part (3) below. VOC shall be measured in accordance with the applicable EPA Reference Method during the stack test and the exhaust flow rate may be determined from the measured fuel flow rate and measured oxygen concentration. A copy of the stack test report shall be maintained with the engine. There shall also be documentation of acceptable VOC emissions following each occurrence of engine maintenance 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

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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 No. 63 are also acceptable for this documentation.

70. The engine shall be operated and monitored as specified below.
  70. If the engine is operated with an oxygen sensor-based air-to-fuel ratio (AFR) controller, documentation for each AFR controller that the manufacturer's or supplier's recommended maintenance has been performed, including replacement of the oxygen sensor as necessary for oxygen sensor-based controllers shall be maintained with the engine. The oxygen sensor shall be replaced at least quarterly in the absence of a specific written recommendation. The engine must have been stack tested within the past 12-months in accordance with part (2) of this condition. The test period may be extended to 24 months if the engine exhaust is sampled once an hour when waste gas is directed to the engine using a detector meeting the requirements of Special Condition No. 63. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the engine. The concentrations shall be recorded and the MSS activity shall be stopped as soon as possible if the VOC concentration exceeds 100 ppmv above background.
  70. If an oxygen sensor-based AFR controller is not used, the engine exhaust to the atmosphere shall be monitored continuously and the VOC concentration recorded at least once every 15 minutes when waste gas is directed to the engine. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the engine. The method of VOC sampling and analysis shall be by detector meeting the requirements of Special Condition No. 63. An alarm shall be installed such that an operator is alerted when outlet VOC concentration exceeds 100 ppmv above background. The MSS activity shall be stopped as soon as possible if the VOC concentration exceeds 100 ppmv above background for more than one minute. The date and time of all alarms and the actions taken shall be recorded. The engine must have been stack tested within the past 24 months in accordance with part (2) of this condition.
70. A liquid scrubbing system may be used upstream of carbon adsorption meeting the requirement of Paragraph A of this Special Condition. Single carbon adsorption can or a liquid scrubbing system may be used as the sole control device if the requirements below are satisfied.
  70. The exhaust to the atmosphere shall be monitored continuously and the VOC concentration recorded at least once every 15 minutes when waste gas is directed to the scrubber.
  70. The method of VOC sampling and analysis shall be by detector meeting the requirements of Special Condition No. 63.A.
  70. 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.
70. A closed-loop refrigerated vapor recovery system
  70. 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

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- 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 ensure structural integrity (such as roof vents on a floating roof tank).
70. 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 meets the requirements of Special Condition No. 63.
  70. 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.
  70. Temporary flare systems
    70. The heating value and velocity requirements in 40 CFR § 60.18 shall be satisfied during operations authorized by this permit.
    70. The flare shall be operated with a flame present at all times and/or have a constant pilot flame. The pilot flame shall be continuously monitored by a thermocouple or an infrared monitor. The time, date, and duration of any loss of the pilot flame shall be recorded. Each monitoring device shall be accurate and shall be calibrated at a frequency in accordance with, the manufacturer's specifications.
    70. Flares systems shall have a continuous flow monitor that provides a record of the vent stream flow to the flare. Flares shall be monitored to maintain waste gas above the minimum heating value as required in 40 CFR 60.18. Measurement, good engineering practice, or process knowledge shall be used to monitor the waste gas stream for compliance with the minimum heating value and the details associated with the method used recorded.
  71. Emissions shall be estimated using good engineering practices 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 Attachment N and O activities rather than documenting all the information required by Special Condition No. 98.
  72. Planned maintenance activities must be conducted in a manner consistent with good practice for minimizing emissions, including the use of air pollution control equipment, practices, and processes. All reasonable and practical efforts to comply with the MSS conditions in this permit must be used when conducting the planned maintenance activity until the commission determines that the efforts are unreasonable or impractical, or that the activity is an unplanned maintenance activity.
  73. During periods of planned MSS, emissions from DCU Heaters 1 and 2 shall not exceed the rates specified on the MAERT (EPNs: 30CKRHTR1 and 30CKRHTR2, respectively).
  74. Heat exchangers that are associated with the condensate splitter and involved in the cooling water cycle shall be of welded construction and inspected during all planned shutdowns but no later than a five-year cycle.

## Wastewater Collection/Treatment System

75. The maximum wastewater influent flow rate to the North Corrugated Plate Interceptor (CPI) and four South CPIs, as measured at Pumps 67P-412A/B discharge, shall not exceed a total of 4.4 million gallons per day on a daily average basis, where the daily average is defined as the arithmetic average of all daily flows measured in a calendar month. The flow rate shall be monitored and recorded at least daily by electronic or other means.

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76. Each aeration tank shall be operated as an enhanced biodegradation unit as defined in 40 CFR § 61.348(b)(2)(B). All parameters shall be monitored and recorded daily using the methods and procedures in 40 CFR Part 136 as applicable. However, surrogate data may be used in the determinations of the values above on weekends or holidays in lieu of the actual parameters which would be otherwise measured. Chemical oxygen demand measured in the wastewater may be used to estimate biochemical oxygen demand (BOD) provided adequate documentation is available and kept on-site to justify the rationale.
77. Process drains, catch basins, manholes, junction boxes, and any other collection system components managing VOC containing process wastewater shall be equipped with either closed vent systems that route all organic vapor to control devices, or equipped with water seals or equivalent control to prevent the organic vapors emitting to the atmosphere except for sources identified as uncontrolled sources in the Attachment R. Water seals shall be checked by visual or physical inspection initially and thereafter quarterly for indications of low water levels or other conditions that would reduce the effectiveness of water seal controls. Alternate control methods may be used after written approval from the Air Permit Division of the TCEQ. Stormwater that is mixed with any process water under normal operating conditions is treated as process water.
78. For units subject to 40 CFR 61, Subpart FF, the handling of VOC containing process wastewater, including conveyance, storage, and treatment, from the point of wastewater generation to the enhanced biodegradation unit shall be either equipped with water seals, conservation vents, be vapor-tight, and/or vented to a system for vapor recovery or destruction.
79. The emissions from the closed vent systems for the components listed in Attachment S shall be routed to the refinery fuel gas recovery system or the flare(s).
80. Reserved
81. Emission sources identified in Attachment T for control of H<sub>2</sub>S shall vent through a minimum of at least two activated carbon canisters that are connected in series at all times.
  81. The carbon adsorption system (CAS) shall be sampled and recorded monthly to determine the breakthrough of H<sub>2</sub>S. The sampling point shall be at the outlet of the first canister, but before the inlet to the second or final polishing canister.
  81. Breakthrough shall be defined as a measured H<sub>2</sub>S concentration of 10 ppmv. When the condition of the breakthrough of H<sub>2</sub>S from the first saturation canister occurs, the waste gas flow shall be switched to the alternate canister system or the canisters shall be replaced within 24 hours.
  81. The holder of this permit may request a change in the frequency of breakthrough sampling after completing at least one year of sampling as specified above. The request shall include a copy of the CAS monitoring records specified in Special Condition No. 98.L and shall be submitted to the TCEQ 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 the TCEQ.
82. The emissions from the sources listed in Attachment T shall be vented through carbon adsorption systems (CAS), each consisting of at least two activated carbon canisters that are connected in series. The CAS shall be monitored in accordance with the following requirements: **(12/14)**
  82. The CAS shall be sampled and recorded at intervals identified in Attachment T or no greater than 20 percent of the design carbon replacement interval, whichever is greater, to detect the breakthrough of VOC. The sampling point shall be at the outlet of the initial saturation canister but before the inlet to the second or final polishing canister. Sampling shall be done during operating conditions reflecting routine emission venting to the CAS. For the purposes of this condition, the breakthrough is defined in Attachment T.

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82. The method of VOC sampling and analysis shall be either by flame ionization detector (FID) or photo ionization detector (PID). An alternative method may be used after approval by the TCEQ Regional Director.

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 50 ppmv  $\pm$  10 percent.

83. The permit holder shall monitor and record the concentration of the air contaminants listed in Attachment U: Air Contaminant Loading and Emission Limits contained in the wastewater entering the enhanced Biodegradation Unit (EPNs: 67AERTKA, 67AERTKB, 67AERTKC, and 67AERTKD) on a monthly basis. Quarterly monitoring may be approved after a written request to the Air Permits Division of the TCEQ if sufficient sampling data shows that the wastewater treatment facility receives predictable concentrations of air contaminants in the wastewater.
83. Wastewater samples shall be collected from the pipeline coming into the aeration tanks. A sampling and analysis plan, including (but not limited to) sampling locations, sampling procedures, and test methods, shall be submitted to the TCEQ Air Permits Division, Chemical Section, within 90 days of issuance of this permit amendment, August 11, 2010. Upon approval of the plan, the permit holder shall commence sampling within 60 days of the approval.
83. The permit holder shall analyze for all compounds listed in Attachment U. In addition to the compounds in Attachment U, all compounds ascertained by the EPA SW 8260B and 8270B shall be evaluated. For any tentatively identified compound that can be confirmed as present and that would have a calculated speciated air contaminant mass emission rate of 0.04 pound per hour (lb/hr) or more, compliance with the permit conditions shall be demonstrated within 90 days from the date of the first detection in accordance with the requirements in Special Condition No. 84 and/or No. 85. The influent wastewater flow rates shall be measured and recorded when a sample required by this condition is collected.
83. The permit holder shall calculate the short-term loading rate in terms of lbs/hr and annual loading rate in terms of tons per year (TPY) for each air contaminant entering the aeration tanks as listed in Attachment U. The short-term loading calculation for each air contaminant shall be based on the concentrations and flow rates measured in the sampling events. The annual loading rate calculation for each air contaminant shall be based on annual average contaminant concentration and annual average flow rate in a rolling 12-month period. If the loading rates of an air contaminant exceed the limits represented in Attachment U, the measured concentrations of each speciated air contaminant shall be converted to an equivalent mass emission rate based upon the flow rates during the sample collection period using the calculation methods and assumptions in the permit supporting documents. The calculated speciated air contaminant mass emission rates from the aeration tanks in each sampling event shall not exceed the maximum emission rates provided in Attachment U. Total VOC mass emission rates shall be calculated as the sum of the individual speciated VOC mass emission rates. The calculated speciated annual air contaminant emission rates shall be the arithmetic average of all calculated emission rates in a calendar 12-month period. The calculated annual speciated air contaminant mass emission rates shall not exceed the annual rates provided in Attachment U.
84. Any modifications or changes in operation resulting in emission increases of the compounds represented in the permit application dated May 4, 2010, shall be approved through the use of the procedures below, 30 TAC Chapter 106, or 30 TAC Chapter 116.
84. Short-term (lbs/hr) and annual (TPY) emissions shall be calculated in accordance with the methods in the permit application. The calculated emission rate shall not exceed the maximum allowable emission rate in the MAERT for any emission point.
84. If the maximum emission rate for the compound is less than 0.04 lb/hr and the Effect Screening Level (ESL) is greater than 2  $\mu$ g/m<sup>3</sup>, or if the compound vapor pressure is less



than 0.002 psi at 68°F and the maximum emission rate is less than 0.04 lb/hr, then no further review is required.

84. The maximum off-property, ground-level concentrations (GLC) for each compound shall be determined using the method below. The maximum off-property GLC shall not exceed two times the ESL listed for the compound in the ESL list dated October 1, 2003. The term "generic" refers to emission rate calculations and modeling performed for the permit application dated June 18, 2004.

The following equation presents the ratio testing procedure for a given compound "I" from a given emission source "j":

$$GLC_{max}(i,j) = \frac{X_{G,max}(j)*E(i,j)}{E_G(j)}$$

where:

$GLC_{max}(i,j)$  = maximum one hour GLC in  $\mu\text{g}/\text{m}^3$  of chemical compound "I" due to emissions from source, "j"

$X_{G,max}(j)$  = maximum one hour generic GLC due to emission from source "j"

$E(i,j)$  = actual emissions in lb/hr for chemical compound "I" from source "j"

$E_G(j)$  = generic emission rates in lb/hr used for source "j"

The maximum predicted GLC of compound "I" is determined by summing the contributions from all emission sources on the site:

$$GLC_{max}(I) = \sum_j GLC_{max}(i,j)$$

where:

$GLC_{max}(i)$  = maximum possible GLC in  $\mu\text{g}/\text{m}^3$  of chemical compound i

$\sum_j GLC_{max}(i,j)$  = sum of maximum one-hour GLC of chemical i from all J sources

This value shall be verified to be less than two times the ESL. If it is not less than two times the ESL, a permit amendment shall be submitted. If the maximum predicted GLC for the compound is greater than the ESL, the concentration at the nearest residence shall be determined using the method above. The GLC at the nearest residence shall not exceed the ESL.

85. Except as provided for in Special Condition No. 84 and below, the compounds emitted from sources authorized in the permit are limited to those identified in the Attachment U. New compounds may be allowed through the use of the procedure below, 30 TAC Chapter 106, or 30 TAC Chapter 116.
85. Short-term (lb/hr) and annual (TPY) emissions and calculations shall be completed for each air contaminant; emission rates shall be calculated in accordance with the methods documented in the permit application dated May 4, 2010. The calculated emission rates shall not exceed the maximum allowable emission rate at any emission point.
85. The ESL for the material shall be obtained from the current TCEQ ESL list or by written request to the TCEQ Toxicology Division.

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85. The total emissions of any compound from all emission points in this permit must satisfy one of the following conditions:
85. If the maximum emission rate for the compound is less than 0.04 lb/hr and the ESL is greater than  $2 \mu\text{g}/\text{m}^3$ , or if the compound vapor pressure is less than 0.002 psi at 68°F and the maximum emission rate is less than 0.04 lb/hr, then no further review is required; or
85.  $(\text{ER}/\text{ESL})_N \leq (\text{ER}/\text{ESL})_E$
- $(\text{ER}/\text{ESL})_N$  = maximum hourly emission rate of a new compound(s) divided by its ESL
- $(\text{ER}/\text{ESL})_E$  = the highest ratio of any previously authorized compounds hourly emission rate divided by its ESL

## Monitoring

86. Unless otherwise specified in the conditions of this permit, monitoring data shall be reduced to hourly averages and recorded at least once every day, using a minimum of four equally-spaced data points from each one-hour period. Loss of valid data due to periods of monitor breaks down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) the emission units' operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded.
87. The following monitoring requirements apply to the North Flare (EPN: 41NORTHFLR), Middle Flare (EPN: 53MIDFLARE), South Flare (EPN: 53SOUTHFLR), and the East Flare (EPN: 30EASTFLR):
87. The pilot flame shall be continuously monitored by a thermocouple or an infrared monitor. Each monitoring device shall be accurate and shall be calibrated at a frequency in accordance with the manufacturer's specifications.
87. The flares shall be operated with a continuous flow monitor and composition analyzer that provides a record of the vent stream flow and composition to the flare. The flow monitor sensor and analyzer sample points shall be installed in the vent stream as near as possible to the flared inlet such that the total vent stream to the flare is measured and analyzed. Readings shall be taken in accordance with Special Condition No. 98. During periods of sweet fuel gas only,  $\text{H}_2\text{S}$  concentration may be monitored at the fuel gas mix drum.
- The monitors shall be calibrated on an annual basis to meet the following accuracy specifications: the flow monitor shall be  $\pm 5.0$  percent, temperature monitor shall be  $\pm 2.0$  percent at absolute temperature, and pressure monitor shall be  $\pm 5.0$  mm Hg.
- Calibration of the analyzer shall follow the procedures and requirements of Section 10.0 of 40 CFR Part 60, Appendix B, Performance Specification 9, as amended through October 17, 2000, (65 FR 61744), except that the multi-point calibration procedure in Section 10.1 of Performance Specification 9 shall be performed at least once every calendar quarter instead of once every month, and the mid-level calibration check procedure in Section 10.2 of Performance Specification 9 shall be performed at least once every calendar week instead of once every 24 hours. The calibration gases used for calibration procedures shall be in accordance with Section 7.1 of Performance Specification 9. The net heating value of the gas combusted in the flare shall be calculated according to the equation given in 40 CFR § 60.18(f)(3) as amended through October 17, 2000, (65 FR 61744).
- The monitors and analyzers shall operate as required by this section at least 95 percent of the time when the flare is operational, averaged over a rolling 12-month period. Flared gas net heating value and actual exit velocity shall be determined in accordance with 40 CFR

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§ 60.18(f)(4) and hourly mass emission rates shall be determined and recorded in accordance with Special Condition 98.

87. For the plant flare capture system, either conduct a once a month visual, audible, and/or olfactory inspection of the capture system to verify there are no leaking components in the capture system; or verify the capture system is leak-free by inspecting in accordance with 40 CFR Part 60, Appendix A, Test Method 21 once a year. Leaks shall be indicated by an instrument reading greater than or equal to 500 ppmv above background.
87. The control device shall not have a bypass, or if there is a bypass for the control device, comply with either of the following requirements:
  87. Install a flow indicator that records and verifies zero flow at least once every fifteen minutes immediately downstream of each valve that if opened would allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere; or
  87. Once a month, inspect the valves, verifying the position of the valves and the condition of the car seals that prevent flow out the bypass.

These requirements do not apply to high point vent and low point drain valves. A deviation shall be reported if the monitoring or inspections indicate bypass of the control device when required to be in service per this permit.
87. If any of the above inspections are not satisfactory, the permit holder shall promptly take necessary corrective action. Records shall be maintained documenting the performance and results of the inspections required above.
88. The permittee shall comply with the following fuel monitoring requirements:
  88. The holder of this permit shall comply with the turbine fuel sulfur monitoring requirements of 40 CFR § 60.334(b), as modified by any custom monitoring schedule granted by the EPA. Any custom schedule approved by the EPA pursuant to 40 CFR § 60.334(b) will be recognized as enforceable conditions and conditions of this permit, provided that the holder of this permit demonstrates that the conditions of such custom schedule will be adequate to assure continuous compliance with Special Condition No. 12.
  88. Pursuant to 40 CFR § 60.105(a)(3), the refinery fuel gas to be fired in the gas turbine and duct burner shall be continuously monitored for H<sub>2</sub>S content. The refinery fuel gas may be monitored at another location at the site if the monitoring meets the applicable portions of 40 CFR Part 60, Subpart J (Standards of Performance for Petroleum Refineries).

## Stack Sampling

89. The permit holder shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the emission points identified in Attachment V to demonstrate compliance with the MAERT. 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 the EPA Reference Methods. **(PSD)**

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

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89. The appropriate TCEQ Regional Office shall be notified not less than 45 days prior to sampling to schedule a pretest meeting. The notice shall include:
  89. Proposed date for the pretest meeting.
  89. Date sampling will occur.
  89. Name of the firm conducting sampling.
  89. Type of sampling equipment to be used.
  89. Method or procedure to be used in sampling.
  89. Description of any proposed deviation from the sampling procedures specified in this permit or TCEQ/EPA sampling procedures.
  89. Procedure/parameters to be used to determine worst case emissions consistent with operating conditions identified in Attachment V.

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for the test reports. A written proposed description of any deviation from sampling procedures specified in permit conditions or the TCEQ or the U.S. Environmental Protection Agency (EPA) sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Regional Director must approve any deviation from specified sampling procedures.

89. Air contaminants from the EPNs in Attachment V are to be tested for each source using the methods identified in Attachment V.

For the FCCU wet gas scrubber stack designated as EPN 55RGNFLUGS, sampling for PM will provide both EPA and TCEQ test method results. A sampling of the FCCU regenerated flue gas stream shall comply with the conditions of 40 CFR § 60.11(b) for opacity. Test methods to be used to determine compliance shall be those described in NSPS Subpart J, 40 CFR § 60.106 in effect at the time of the issuance of the permit and as specified in Special Condition 19.

Results from the stack sampling of EPN: 55RGNFLUGS shall be used to demonstrate compliance with the requirements of Special Condition Nos. 15, 16, 17, 19, and MAERT. If the sampling results do not demonstrate compliance with each of the requirements in Special Condition Nos. 15, 16, 17, and 19 then this EPN is not in compliance. This EPN shall be sampled again for each requirement(s) not met in Special Condition Nos. 15, 16, 17, and 19 within 60 days, but not less than 180 days to demonstrate compliance.

89. Sampling shall occur within the time frame identified for each source in Attachment V and at such other times as may be required by the TCEQ Executive Director. Requests for additional time to perform sampling shall be submitted to the appropriate TCEQ Regional Office. Additional time to comply with the applicable requirements of Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60) and 40 CFR Part 61 requires the EPA approval, and requests shall be submitted to the TCEQ Regional Director. Monitored data should be provided in the sampling report. Permit conditions and parameter limits may be waived during stack testing performed under this condition if the proposed condition/parameter range is identified in the test notice specified in Paragraph A and accepted by the TCEQ Regional Office. Permit allowable emissions and emission control requirements are not waived and still apply during stack test periods.
89. The facility being sampled shall operate at maximum operating conditions during stack emission testing as described below and in Attachment V. These conditions/parameters and any other primary operating parameters that affect the emission rate shall be monitored and recorded during the stack test as identified in Attachment V. Additional parameters may be identified and monitored, if the facility has the specified parameter indication available. These parameters shall be determined at the pretest meeting and shall be stated in the sampling

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report. Permit conditions and parameter limits may be waived during stack testing performed under this condition if the proposed condition/parameter range is identified in the test notice specified in paragraph A and accepted by the TCEQ Regional Office. Permit allowable emissions and emission control requirements are not waived and still apply during stack testing periods.

Marine Terminal Vapor Combustor 1 Stack (EPN: 45DOCKTO1) and Marine Terminal Vapor Combustor 2 Stack (EPN: 45DOCKTO2) shall be tested during the loading of three different controlled products: naphtha, benzene, and heavy reformate. If refinery operations do not allow these compounds to be used, other compounds may be selected during the pre-test meeting.

Tank 926 Flare (EPN: 22TK926FLR) shall be tested: (1) at times when the thermal oxidizer is only combusting benzene emissions from standing losses from the tank such as when lean mixtures of benzene are sent to the thermal oxidizer such as after a benzene tank is refilled after it has been emptied, and (2) at times when the benzene storage tank is being loaded or unloaded.

Tanks 928, 929, and 930 Flare (EPN: 50BZTNKFLR) shall be tested: (1) at times when the is only combusting benzene emissions from one tank (either Tank 929 or Tank 930) as it is receiving benzene product from the production unit and while combusting standing losses from the remaining tanks (Tank 928 and either Tank 929 or Tank 930) and (2) at times when the benzene storage tanks are being loaded or unloaded.

The SRU 4 Incinerator (EPN: 25SRUINCIN) and SRU 5 Incinerator (EPN: 36SRUINCIN) shall operate at the represented maximum operating capacity during stack emission testing.

The VDU-2 Heater (EPN: 06VDU2CHTR), DCU Heater 1 (EPN: 30CKRHTR1), DCU Heater 2 (EPN: 30CKRHTR2), DHT-3 Charge Heater (EPN: 43DHT3CHTR), and KNHT Charge Heater (EPN: 31KNHTHTR) shall operate at maximum firing rate during stack emission testing.

The plant may operate at various production rates, in addition to the maximum production rates, during stack emission testing to establish acceptable primary operating parameters at reduced production rates. These various production rates and associated monitored parameters will form the basis for the FCCU wet gas scrubber stack (EPN: 55RGNFLUGS) operating parameters described in Special Condition Nos. 15, 16, and 17. Production rate and liquid to gas ratio shall be monitored and recorded during the stack sampling.

During subsequent operations, if the maximum operating rate identified is greater than that recorded during the test period for the specified emission point, stack sampling shall be performed at the new operating conditions within 120 days. However, if the stack test emission rates are less than 80 percent of the MAERT limits for the specified emission point, the maximum operating rate identified may be increased up to 10 percent of that recorded during the test period, without retesting. This sampling may be waived by the TCEQ Air Section Manager for the region.

89. Copies of the final sampling report and the performance specification test report, as appropriate, shall be forwarded to the offices below within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions entitled Chapter 14, Contents of Sampling Reports of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:
  89. One copy to the TCEQ Beaumont Regional Office.
  89. One copy to the EPA Region 6 Office, Dallas.
  89. One copy to each local air pollution control program, if applicable.

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89. Sampling ports and platform(s) shall be incorporated into the design of facilities/EPNs according to the specifications set forth in the attachment entitled "Chapter 2, Guidelines For Stack Sampling Facilities" of the Texas Commission on Environmental Quality (TCEQ) Sampling Procedures Manual. Alternate sampling facility designs must be submitted for approval to the TCEQ Regional Director. This condition does not apply to existing facilities/EPNs prior to TCEQ amendment application, PI-1 dated January 7, 2022.
89. Compliance tests were completed on February 2nd and 3rd of 2005 for EPN 45DOCKTO1 and March 4 -5 and March 7, 2004 for EPN 45DOCKTO2.
89. Stack sampling for the FCCU regenerator (EPN: 55RGNFLUGS) shall be repeated every five years after the initial sampling in conformity with subparagraphs A, B and of this Special Condition. The permit holder may choose to conduct stack sampling at any time to establish the operating limits described in Special Condition Nos. 15, 16, and 17. If stack testing is conducted voluntarily outside of the required five year testing, it will be conducted in conformity with B and D of this condition.
89. Initial HCN stack sampling for the FCCU regenerator (EPN: 55RGNFLUGS) was performed in May 2017. This is not included in the repeated five year testing specified in H of this condition.
89. Stack sampling for H<sub>2</sub>SO<sub>4</sub> from the FCCU wet gas scrubber (EPN: 55RGNFLUGS) shall be performed within 180 days of modification of the FCCU wet gas scrubber according to TCEQ permit amendment application dated January 7, 2022, Project No. 337398. Testing may also be performed prior to the modification to satisfy this condition.

## SRU 4 and SRU 5 Incinerator Monitoring

90. Reserved
91. The SRU 4 Incinerator (EPN: 25RUINCIN) and SRU 5 Incinerator (EPN: 36RUINCIN) shall meet the following monitoring and recordkeeping requirements:
  91. The SRU 4 Incinerator (EPN: 25RUINCIN) and SRU 5 Incinerator (EPN: 36RUINCIN) firebox chamber temperature and oxygen concentration shall be continuously monitored and recorded. The temperature measurement device shall reduce the temperature readings to an averaging period of 6 minutes or less and record it at that frequency. The temperature monitor shall be installed, calibrated at least annually, and maintained according to the manufacturer's specifications. The device shall have an accuracy of the greater of  $\pm 2$  percent of the temperature being measured expressed in degrees Fahrenheit.
  91. The SRUs 4 and 5 Incinerators' (EPNs: 25SRUINCIN and 36SRUINCIN) exhaust stack flow rate shall be continuously monitored and recorded. The flow shall be recorded at least every 15 minutes and the hourly average flow rate shall be recorded. Each flow monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, or at least annually, whichever is more frequent and shall be accurate to within 2 percent of span or 5 percent of the lesser of the design value or the flow measured during the most recent stack test.
  91. Quality-assured (or valid) data must be generated when the SRUs 4 and 5 Incinerators (EPNs: 25SRUINCIN and 36SRUINCIN) are operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the SRUs 4 and 5 Incinerators (EPNs: 25SRUINCIN and 36SRUINCIN) operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded.

### Continuous Emissions Monitoring Systems (CEMS)

93. The permit holder shall install, calibrate, and maintain a continuous emission monitoring system (CEMS) to measure and record concentrations of indicated compounds as listed in Attachment C.

93. The CEMS in Attachment C shall meet the design and performance specifications, pass the field tests, and meet the installation requirements and the data analysis and reporting requirements specified in the applicable Performance Specification Nos. 1 through 9, 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 in Austin for requirements to be met.

93. For sources subject to the quality assurance requirements of 40 CFR Part 60, Appendix F, the following applies: The holder of this permit shall assure that the CEMS meets the applicable quality-assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1. Relative accuracy exceedances, as specified in 40 CFR Part 60, Appendix F, § 5.2.3 and any CEMS downtime shall be reported to the appropriate TCEQ Regional Director, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Director.

93. For sources not subject to the quality assurance requirements of 40 CFR Part 60, Appendix F, the following applies: The system shall be zeroed and spanned daily, and corrective action is taken when the 24-hour span drift exceeds two times the amounts specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B, or as specified by the TCEQ if not specified in Appendix B. Zero and span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days.

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

All CGA exceedances of  $\pm 15$  percent accuracy are out of control and any CEMS downtime shall be reported to the appropriate TCEQ Regional Director, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Director.

Title 40 CFR Part 60, Appendix F applies only to those sources for which an NSPS subpart specifically requires both a continuous monitoring system and that the continuous monitoring system be used to demonstrate compliance with emission limits on a continuous basis.

93. The H<sub>2</sub>S monitoring system shall comply with the fuel sulfur monitoring requirements of 40 CFR § 60.105.

93. Data shall be monitored and recorded in accordance with Special Condition No. 98. The technique used to convert ppmv to mass emission rates lb/MMBtu shall be from 40 CFR 60, Appendix A, Method 19.

93. The monitoring data for the FCCU Regenerator Stack (EPN: 55RGNFLUGS) 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. The individual average concentrations for the FCCU Regenerator Stack shall be recorded in units of parts per million

by volume dry and averaged over the specified averaging time to determine compliance with the concentration limits of Special Condition No. 15.

The measured hourly average concentration from the CEMS shall be multiplied by the flue gas flow rate identified in the permit application, PI-1 dated January 7, 2022 or the flow rate measured during the latest stack test performed in accordance with Special Condition No. 90 to determine the hourly emission rate.

- 93. All monitoring data and quality-assurance data shall be maintained by the source for a period of two years and shall be made available to the TCEQ Executive Director or designated representative upon request. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit.
- 93. The appropriate TCEQ Regional Office shall be notified at least 30 days prior to any required RATAs in order to provide them the opportunity to observe the testing.
- 93. Quality-assured (or valid) data must be generated when the facilities covered by this condition are operating except during the performance of a daily zero and span checks. Loss of valid data due to periods of monitor breaks down, out of control operation (producing inaccurate data), repair, maintenance, or calibration, may be exempted provided it does not exceed 5 percent of the time (in minutes) that each facility was operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded. Options to increase system reliability to an acceptable value, including a redundant CEMS, may be required by the TCEQ Regional Manager.
- 93. The permit holder shall install, calibrate, maintain, and operate all CEMS, required under the per EPA Consent Decree, Case 1:07-cv-00248-MAC, including but not limited to the CEMS required under Consent Decree paragraphs 12,14,18 and 25, in accordance with 40 CFR §§ 60.11, 60.13, and Part 60 Appendices A, B, and F.
- 93. In lieu of the requirements of 40 CFR Part 60, Appendix F §§ 5.1.1, 5.1.3, and 5.1.4, a Relative Accuracy Audit (RAA) or a Relative Accuracy Test Audit (RATA) shall be conducted at least once every three years for the sources listed in the table below. A Cylinder Gas Audit (CGA) shall be conducted each calendar quarter during which a RAA or RATA is not performed.

EPN	Common Name	Pollutant Monitored
01ACU1H 101	ACU-1 Charge Heater H-101	NO <sub>x</sub> , CO, O <sub>2</sub>
01ACU1H 201 A	ACU-1 Charge Heater H-202A	NO <sub>x</sub> , CO, O <sub>2</sub>
01ACU1H 202 B	ACU-1 Charge Heater H-202B	NO <sub>x</sub> , CO, O <sub>2</sub>
01VACH3 01	Vacuum Charge Heater H-301	NO <sub>x</sub> , CO, O <sub>2</sub>
02ACU2H 201	ACU No. 2 Heater H-201	NO <sub>x</sub> , CO, O <sub>2</sub>
13UNIBH3	Unibon Heater H-301	NO <sub>x</sub> , CO, O <sub>2</sub>



01		
17NHTHT RS	Reformer Charge Heater H-1-6	NO <sub>x</sub> , CO, O <sub>2</sub>
40CSPLT H-1	Condensate Splitter Heater H-1	NO <sub>x</sub> , CO, O <sub>2</sub>
61STACK BLR	H- 300 (61ST301BLR) and H-350 (61ST351BLR) (Common Stack)	NO <sub>x</sub> , CO, O <sub>2</sub>

**EPA Consent Decree**

94. As required by EPA Consent Decree, Reference Case No. 90-5-2-1-08283/3, the “Final” refinery-wide weighted-average NO<sub>x</sub> emissions from all existing Covered Heaters and Boilers shall be no greater than 0.040 lbs. NO<sub>x</sub>/MMBtu. Covered Heaters and Boilers are listed in Appendix A of the referenced Consent Decree.
95. The total shall demonstrate compliance with the “Final” refinery-wide weighted-average NO<sub>x</sub> emission limit in Special Condition 94, for all Existing Covered Heaters and Boilers by meeting the following inequality:

Where:

$ELR_i$  = The relevant NO<sub>x</sub> emission limit for Existing Covered Heater or Boiler “i” in-lbs. NO<sub>x</sub> per Million BTU (HHV).

$HIR_i$  = Heat input capacity of Existing covered Heater or Boiler “i” as reported in the latest annual updated to the initial inventory in Appendix A of the referenced EPA Consent Decree; and

$n$  = Total number of Existing Covered Heaters or Boilers.

**FCCU Regenerator Hydrogen Cyanide Emissions**

96. Emissions of Hydrogen Cyanide (HCN) from the FCCU Regenerator (EPN: 55RGNFLUGS) shall not exceed 1.06 lb HCN per 1,000 pounds of coke burn-off.
96. The FCCU regenerator shall not exceed a coke burn rate of 64,580 lb/hr, unless a higher rate is established during stack testing. The maximum one-hour and average coke burn-off rate (pounds per hour) and hours of operation shall be recorded daily and maintained on-site. Coke burn-off rate shall be determined using the methods as specified in 63.1564(b)(4)(i) of 40 CFR Part 63, Subpart UUU. These records shall be maintained for a minimum of five years and made available to representatives of the TCEQ or local program upon request.
96. Continuous process monitoring parameters used to determine the coke burn rate for the FCCU located before the wet gas scrubber shall be validated weekly. The validation includes an inspection of the sample condition system, an inspection of the standard cylinders, and a manual calibration drift of the continuous process monitoring parameters.
96. Flow meters used to determine coke burn shall be installed, calibrated, or have a calibration check at least annually, and maintained according to manufacturer’s specifications. Quality

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

96. The permit holder shall maintain an emissions record which includes calculated emissions of HCN from the FCCU during the previous calendar month and the past consecutive 12-month period.

## Delayed Coking Unit

97. The following operational restrictions apply to the delayed coking units (EPN: 30CKRTRKLD) .
  97. Prior to opening a drum to the atmosphere, the drum shall be routed to a closed blowdown system that recovers and directs the gas flows to the coker fractionator or to the fuel gas system.
  97. The permit holder shall install, operate, calibrate, and maintain a pressure monitor capable of determining the coke drum vessel pressure for each coke drum. The monitor shall be calibrated at a frequency in accordance with the manufacturer's specifications or at least annually, whichever is more frequent, and shall be accurate to within  $\pm 0.5$  psig
  97. The coker shall not be opened to the atmosphere until the drum is depressurized to a blowdown pressure of 2.0 psig or less based on a 5-minute average.
  97. No more than one coke drum from the coker may be opened to the atmosphere to depressurize, drain, and remove coke per hour.
  97. No more than 1095 drum cycles from the coker (i.e., drum depressurizations to atmosphere and drum openings) may occur per year on a rolling twelve-month average.
  97. The permit holder shall maintain a record of the number of cycles for the coker for the previous calendar month and the past consecutive 12-month period. Records of the coke drum pressure prior to depressurizing to the atmosphere for each event shall be maintained to verify compliance with this condition.

## Recordkeeping

98. In addition to any records specified in other conditions of this permit, the following information shall be maintained at the site for a period of five years and shall be made available on request to representatives of the TCEQ or the EPA or any local air pollution control program having jurisdiction:
  98. Refinery Fuel Gas
    98. Records of the Sulfur content in the refinery fuel gas system shall be maintained as per Special Condition Nos. 6 & 7.
    98. Calibration records of the continuous H<sub>2</sub>S monitoring system shall be maintained as per Special Condition No. 8.
  98. Flare
    98. Records of data gathered in accordance with Special Condition No. 51.
    98. Records sufficient to demonstrate compliance with the Flared gas net heating value and actual exit velocity required in Special Condition No. 51. The values shall be recorded at least once every 15 minutes.

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- 98. Records of the time, date, and duration of any loss of pilot flame shall be recorded in accordance with Special Condition No. 51 B.
- 98. Heaters/Boilers
  - 98. Records of average hourly NO<sub>x</sub> and CO emissions in lb/MMBtu or ppm to demonstrate compliance with the emission limits in Attachment B.
  - 98. Records of fuel gas usage for the heater/boiler shall be recorded monthly and as required by Special Condition No. 10.
  - 98. Average hourly firing rates to demonstrate compliance with the limits in Attachment A.
- 98. Cogeneration Unit:
  - 98. Records required by 40 CFR § 60.7, records of all testing performed under the initial determination of compliance, and NO<sub>x</sub> lb/MMBtu limitation demonstrated on a 30-day rolling average corrected as specified in 40 CFR Part 60, Appendix A, Method 19. The 30-day rolling average will be based on the fuel usage rate and the high heat value of the fuel.
  - 98. The results of all fuel sampling conducted pursuant to Special Condition No. 8.
  - 98. Written records of the occurrence and duration of any malfunction(s) which may cause emissions in excess of the permitted allowables and the actions taken to correct the malfunction(s).
- 98. FCCU:
  - 98. Records of the quarterly inspections which identify the dates of inspections, all leaks detected, and the date of repair shall be maintained as per Special Condition No. 18.
  - 98. Records of hourly FCCU flue gas vent stack concentrations as required by Special Condition No. 15.
  - 98. Records of the flow rates and pressures of the FCCU regenerator scrubber liquid as required by Special Condition No. 16.
  - 98. Records of pressure drop across the wet gas scrubber and the scrubber liquid to gas ratio in accordance with Condition No. 16.
  - 98. Records daily of the average coke burn-off rate, maximum one-hour coke burn-off rate, and hours of operation of the FCCU Regenerator in accordance with Special Condition No. 96.
- 98. SRUs:
  - 98. Records of the daily total sulfur recovered in accordance with Special Condition No. 21.
  - 98. Records of exhaust stack flow rate in accordance with Special Condition No. 27.
  - 98. Records of Sulfur recovery efficiency compliance calculations.
  - 98. Records of the Incinerator firebox chamber temperature in accordance with Special Condition No. 25.
  - 98. Operational status of SRU-1, SRU-3, the tail gas incinerator, and the SCOT at all times
  - 98. Periods of downtime for SRU-1, SRU-3, the tail gas thermal oxidizer, and the SCOT including the number of hours, date and time, and cause.
  - 98. Records shall be maintained indicating the truck or railcar loaded, loading start and stop date and time, and the volume or weight of the sulfur loaded in accordance with Special Condition No. 30.B.
- 98. Sour Water And Sour Water Strippers:

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- 98. Records of sour water purge rates.
- 98. Records of all alarms and manual interface checks (sight glass or physical gauging checks) shall be maintained.
- 98. Records of sour water stripper feed tank levels and alarms in accordance with Special Condition No. 33.
- 98. Records of the amine charge surge drum levels and alarms in accordance with Special Condition No. 35.
- 98. Acid gas and sour water stripper gas flow rates, during SRU-1, SRU-3, tail gas thermal oxidizer, and SCOT downtimes. Records shall also be kept of any acid gas flaring during equipment downtimes.
- 98. Records of pump-out activity of the Skimmer Pump and Spare Skimmer Pump, designated 38P-108A and 38P-108B.
- 98. Cooling Tower
  - 98. Records of the cooling tower monitoring and sampling in accordance with Special Condition Nos. 37, 38 and 39.
- 98. Tanks
  - 98. For purposes of assuring compliance with VOC emission limitations, the holder of this permit shall maintain a monthly emissions record that describes calculated emissions of VOC from all storage tanks and loading operations. The record shall include tank or loading point identification number, control method used, tank or vessel capacity in gallons, name of the material stored or loaded, VOC molecular weight, VOC monthly average temperature in degrees Fahrenheit, VOC vapor pressure at the monthly average material temperature in psia, and VOC throughput for the previous month and year-to-date. Records of VOC monthly average temperature are not required to be kept for unheated tanks that receive liquids that are at or below ambient temperatures.
  - 98. For any tank equipped with a floating roof, records of the dates seals were inspected, seal integrity, and corrective actions are taken.
  - 98. Records of the seal gap inspections.
- 98. Loading (PSD)
  - 98. For purposes of assuring compliance with VOC emission limits, the holder of this permit shall maintain and update monthly loading records to demonstrate compliance with the hourly and annual throughputs for each compound designated in Special Conditions No. 45, 46, and 47. The records shall include the loading spot, control method used, monthly quantity loaded in gallons, name of material loaded, molecular weight, material monthly average temperature in degrees Fahrenheit, the material vapor pressure at the monthly average temperature in psia and material throughput for the previous month and year-to-date in gallons. Records of VOC temperature are not required to be kept for liquids loaded from unheated tanks which receive liquids at or below ambient temperatures. Emissions from controlled marine loading (EPN 45DOCKTO1, 45DOCKTO2, and 45DCKTOCAP) modified with TCEQ permit amendment application dated February 14, 2022, Project No. 339036 shall be calculated using the TCEQ publication titled "Technical Guidance Package for Chemical Sources - Loading Operations."
  - 98. Records of loading activities in accordance with Special Condition Nos. 45 through 48.
- 98. Marine Terminal Thermal Oxidizers
  - 98. Records of firebox exit temperatures for thermal oxidizers in accordance with Special Condition No. 49.

- 98. CAM
  - 98. Records of inspections in accordance with Special Condition No. 55.
- 98. Fugitives
  - 98. Records of all inspections, repairs, and replacements made due to leaks and of all leaks that cannot be repaired until the next scheduled shutdown in accordance with Special Condition Nos. 56 through 59.
  - 98. Records of required fugitive instrument monitoring and maintenance programs as required by Special Condition Nos. 56 through 59 records of physical inspections are not required unless a leak is detected. Records shall indicate appropriate dates, test methods, instrument readings, repair results, the justification for delay of repairs, and corrective actions taken for all components.
- 98. MSS
  - 98. Records of the processing unit at which emissions from the MSS activity occurred, including the emission point number and common name of the processing unit.
  - 98. Records of the blower circulation rate, the duration of uncontrolled ventilation, and the date and time all standing liquid was removed from the tank in accordance with Special Condition No. 64.C.
  - 98. Records of the type of planned MSS activity and the reason for the planned activity.
  - 98. Records of the common name and the facility identification number, if applicable, of the facilities at which the MSS activity and emissions occurred.
  - 98. The date on which the MSS activity occurred.
  - 98. Records of roof landings in accordance with Special Condition No. 64 F.
  - 98. Records of vacuum trucks operations in accordance with Special Condition Nos. 66.D and 66.E.
  - 98. The estimated quantity of each air contaminant, or a 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, or monitoring data recorded in accordance with Special Condition No. 67 of this permit, consistent with good engineering practice.
  - 98. All MSS emissions shall be summed monthly and the rolling 12-month emissions shall be updated on a monthly basis.
- 98. Wastewater Collection & Treatment System
  - 98. Daily average flow rates to the North CPI and South CPI as required in Special Condition No. 75 and measured at Pump 67P-412A/B.
  - 98. Daily records of MLSS, food-to-microorganism ratio, and residence time as required in Special Condition No. 76.
  - 98. Records of the CAS monitoring shall include (but are not limited to) the following:
    - 98. Sample time and date.
    - 98. Monitoring results (ppmv).
    - 98. Corrective action taken including the time and date of that action.
    - 98. Process operations occurring at the time of sampling.
  - 98. Wastewater characterization data as required in Special Condition No. 85 which includes the measured concentration of each speciated VOCs in the sample, influent flow rate during each sampling event, and calculated loading rates in accordance with

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Special Condition No. 85.C. If the loading rate exceeds the limits of the maximum loading rate or annual loading rate represented in Attachment U for any air contaminant, the records of the calculated speciated VOC short-term and annual emission rates shall be kept.

- 98. Records of the information below and the demonstrations in accordance with Special Condition Nos. 84 and 85, Steps A through C. The following documentation is required for each new compound detected:
  - 98. Chemical name(s), composition, and chemical abstract registry number if available.
  - 98. True vapor pressure at maximum hourly and annual average temperature.
  - 98. Molecular weight.
  - 98. Date new compound detected.
  - 98. Maximum concentration detected in the wastewater.
  - 98. Material Safety Data Sheet or equivalent.
  - 98. Records of sampling location, sampling procedures, sample chain of custody forms, test methods, sampling results, calculated emission rates, and a sample of calculations shall be maintained.
- 98. CEMS
  - 98. Records of all monitoring data and quality-assurance data as required by Special Condition No. 93. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit.
- 98. Condensate Splitter
  - 98. Production rates for the condensate splitter shall not exceed 6,314,500,000 lb/yr (based on a 12-month rolling average).
  - 98. Records of the annual average and one-hour maximum firing rates shall be maintained at the plant site.
  - 98. The average hourly NO<sub>x</sub> and CO emissions in lb/MMBtu of heat input for the Condensate Splitter Heater (40CSPLTH-1).
  - 98. The NO<sub>x</sub>, CO, and diluent gases, O<sub>2</sub> or carbon dioxide, CEMS emissions data to demonstrate compliance with the emission rates listed in the MAERT.
  - 98. Raw data files of all CEMS data including calibration checks and adjustments and maintenance performed on these systems.
- 98. Benzene Concentration
  - 98. Benzene content in gasoline and middle distillate shall be recorded monthly for material loaded at the Tank Truck Loading Rack. The records shall report benzene content by percent weight basis.
- 98. Asphalt Plant
  - 98. Records of daily production rate for each product at the asphalt plant.
- 98. General
  - 98. The following records shall be kept at the plant for the life of the permit. All records required in this permit shall be made available at the request of personnel from the TCEQ, the EPA, or any air pollution control agency with jurisdiction.
  - 98. A copy of this permit.
  - 98. Permit application and subsequent representations submitted.

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- 98. A complete copy of the testing report and records of the initial performance testing demonstrate initial compliance.
- 98. Stack sampling results or other testing that may be conducted on units authorized under this permit after the date of issuance of this permit.

**Reporting**

- 99. The holder of this permit shall submit to the TCEQ Beaumont Regional Office and the Air Enforcement Branch of EPA in Dallas semi-annual periodic reports as described in 40 CFR § 60.7. Such reports are required for each emission unit which is required to be continuously monitored pursuant to this permit. In addition to the information specified in 40 CFR § 60.7(c), each report shall contain the hours of operation of the equipment authorized by this permit and a report summary of the periods of noncomplying emissions for equipment authorized by this permit and subject to Special Condition No. 1.
- 100. For the purposes of reporting, noncomplying emissions are defined as follows:
  - 100. Noncomplying emissions of NO<sub>x</sub> and CO are each one-hour period of turbine operation, except during start-up or shutdown, during which the actual hourly CEMS data exceeds emission limitations stated on the maximum allowable emission rates table. Such periods of noncomplying emissions of NO<sub>x</sub> and CO shall be considered to be exceedances of the emission limitations of General Condition No. 8. In addition, such periods of noncomplying emissions of NO<sub>x</sub> shall be considered to be exceedances of emission limitations of Special Condition No. 11.
  - 100. Noncomplying emissions of SO<sub>2</sub> are defined as any sample of fuel which is found to contain sulfur in excess of the sulfur limitations of Special Condition No. 6 or which indicates an exceedance of the SO<sub>2</sub> emission limitation of General Condition No. 8, based upon 100 percent conversion of the sulfur in the fuel to SO<sub>2</sub>.
- 101. The holder of this permit shall comply with the reporting and recordkeeping requirements of 40 CFR § 60.7. Such reports are required for the condensate splitter (EPN: 40CSPLTH-1) which is required to be continuously monitored. Each report shall contain the hours of operation of the facility, a report summary of the periods of non-complying emissions, and CEMS downtimes by cause, in addition to the information specified in 40 CFR § 60.7. Non-complying NO<sub>x</sub>, CO, and SO<sub>2</sub> emissions are any period of continuous operation except during start-up or shutdown. For reporting purposes, non-complying emissions are defined as:
  - 101. Each one-hour period of operation, except during start-up or shutdown, during which the average emissions of NO<sub>x</sub>, CO, or SO<sub>2</sub> as measured and recorded by each CEMS, exceeds the emission limits of Special Condition No. 93 or the MAERT.
  - 101. Annual emissions shall be defined as a rolling 12-month period during which the 12-month cumulative emissions of NO<sub>x</sub>, CO, and SO<sub>2</sub>, as measured and recorded by each CEMS, exceed the emission limits of Special Condition No. 93 or the MAERT.

**Additional Authorizations**

- 102. The following facilities are authorized by permits by rule (PBR) under 30 TAC Chapter 106 and Standard Permit under 30 TAC Chapter 116.

Source	EPN(s)	Authorization/Registration
Temporary Boilers	TEMPBOIV1 TEMPBOIV2	118073

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	TEMPBOFUGS	
Package Boiler	PKGBOIL01 PKBFUG	154201
Annual notification summary of fugitive projects	28VHPFUG LAERCNQFUG LAERCNAFUG	168522
Tank Replacement	FSLRECAP 67TK651FUG	172132
Annual notification summary of fugitive projects	28VHPFUG LAERCNQFUG LAERCNAFUG	172400
Tank change of service	22TANK0502 67TANKS0504	173715
South flare tip replacement	FLARECAP	173485

Date: April 4, 2024



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Attachment A

<b>Heater Maximum Firing Rate</b>			
<b>Emission Point No.</b>	<b>Common Name</b>	<b>Number of Heaters</b>	<b>Maximum Firing Rate (MMBtu/hr)</b>
01ACU1202A	ACU No. 1 Heater 202A	1	187
01ACU1202B	ACU No. 1 Heater 202B	1	187
04BTXH-51	BTX Heater H-51	1	31.4
04BTXH-52	BTX Heater H-52	1	63
04BTXH-53	BTX Heater H-53	1	65
10DEMEXH-2	Demex Heater H-2	1	70
10DEMEXH-4	Demex Heater H-4	1	98
10GRUHTRB1	GRU Heater B-1	1	39
16ISOMHTR	Isomerization Heaters Nos. 1 & 2	2	70
17NHTHTRS	NHT Heaters Nos. 1 & 2	2	125.6
17REFHTRS	Reformer Heaters Nos. 1, 2, 3, 4, 5, & 6	6	450

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Attachment B

Heater Emission Limits for NO <sub>x</sub> and CO			
EPN	Common Name	Pollutant	Emission Limit
40CSPLTH-1	Condensate Splitter Heater H-1	NO <sub>x</sub>	0.05 lb/MMBtu (Annual)
			0.08 lb/MMBtu (Hourly)
		CO	0.011 lb/MMBtu (Hourly & Annual)
10DEMEXH-2	Demex Heater H-2	NO <sub>x</sub>	0.035 lb/MMBtu (Hourly)
		CO	100 ppmvd corrected to 3% O <sub>2</sub> (Hourly)
			50 ppmvd corrected to 3% O <sub>2</sub> (Annual)
10DEMEXH-4	Demex Heater H-4	NO <sub>x</sub>	0.035 lb/MMBtu (Hourly)
		CO	100 ppmvd corrected to 3% O <sub>2</sub> (Hourly)
			50 ppmvd corrected to 3% O <sub>2</sub> (Annual)
61STACKBLR	61ST301BLR & 61ST351BLR	NO <sub>x</sub>	43 ppmvd corrected to 3% O <sub>2</sub> (Hourly)
			30 ppmvd corrected to 3% O <sub>2</sub> (Annual)
		CO	100 ppmvd corrected to 3% O <sub>2</sub> (Hourly)
			50 ppmvd corrected to 3% O <sub>2</sub> (Annual)
06VDU2CHTR	VDU No. 2 Heater	NO <sub>x</sub>	0.03 lb/MMBtu (Hourly)
		CO	50 ppmvd corrected to 3% O <sub>2</sub> (Hourly)
31KNHTR	KNHT Heater	NO <sub>x</sub>	0.03 lb/MMBtu (Hourly)
		CO	50 ppmvd corrected to 3% O <sub>2</sub> (Hourly)
43DHT3CHTR	DHT-3 Heater	NO <sub>x</sub>	0.03 lb/MMBtu (Hourly)
		CO	50 ppmvd corrected to 3% O <sub>2</sub> (Hourly)
30CKRHTR1	DCU Heater No. 1	NO <sub>x</sub>	0.01 lb/MMBtu (Hourly)
		CO	50 ppmvd corrected to 3% O <sub>2</sub> (Hourly)
30CKRHTR2	DCU Heater No. 2	NO <sub>x</sub>	0.01 lb/MMBtu (Hourly)
		CO	50 ppmvd corrected to 3% O <sub>2</sub> (Hourly)
50TDPH-1	TDP Heater H-1	NO <sub>x</sub>	0.1 lb/MMBtu (Hourly & Annual)
51DHT1H-1	DHT No. 1 Heater H-1	NO <sub>x</sub>	0.035 lb/MMBtu (Hourly & Annual)
52DHT2H-2A/B	DHT No. 2 Heater H-2	NO <sub>x</sub>	0.035 lb/MMBtu (Hourly & Annual)
60COGENSTK	Cogen - Turbine and Boiler Stack	NO <sub>x</sub>	42 ppmvd corrected to 15% O <sub>2</sub> (Hourly) 0.12 lb/MMBtu (Hourly)
13UNIBH301	Unibon Heater H-301	NO <sub>x</sub>	0.3 lb/MMBtu

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Attachment C

<b>CEMS Pollutant Monitoring</b>		
<b>EPN</b>	<b>Common Name</b>	<b>Pollutant Continuously Monitored</b>
01ACU1H101	ACU-1 Charge Heater H-101	NO <sub>x</sub> , CO, and O <sub>2</sub>
01ACU1H201A	ACU-1 Charge Heater H-202A	NO <sub>x</sub> , CO, and O <sub>2</sub>
01ACU1H202B	ACU-1 Charge Heater H-202B	NO <sub>x</sub> , CO, and O <sub>2</sub>
01VACH301	Vacuum Charge Heater H-301	NO <sub>x</sub> , CO, and O <sub>2</sub>
02ACU2H201	ACU No. 2 Heater H-201	NO <sub>x</sub> , CO, and O <sub>2</sub>
13UNIBH301	Unibon Heater H-301	NO <sub>x</sub> , CO, and O <sub>2</sub>
15SRUINCIN	Sulfur Recovery Tail Gas Thermal Oxidizer	CO, SO <sub>2</sub> , and O <sub>2</sub>
17NHTHTRS	Reformer Charge Heater H-1-6	NO <sub>x</sub> , CO, and O <sub>2</sub>
25SRUINCIN	SRU 4 Incinerator	NO <sub>x</sub> , CO, SO <sub>2</sub> , and O <sub>2</sub>
40CSPLTH-1	Condensate Splitter Heater H-1	NO <sub>x</sub> , CO, SO <sub>2</sub> <sup>1</sup> , and O <sub>2</sub>
30CKRHTR1	DCU Heater No. 1	NO <sub>x</sub> , CO, and O <sub>2</sub>
30CKRHTR2	DCU Heater No. 2	NO <sub>x</sub> , CO, and O <sub>2</sub>
36SRUINCIN	SRU 5 Incinerator	NO <sub>x</sub> , CO, SO <sub>2</sub> , and O <sub>2</sub>
55RGNFLUGS	FCCU Regenerator Stack	NO <sub>x</sub> , CO, SO <sub>2</sub> , and O <sub>2</sub>
60COGENSTK	Cogeneration - Turbine and Boiler Stack	NO <sub>x</sub> , CO, and O <sub>2</sub>
61STACKBLR	61ST301BLR and 61ST351BLR (Common Stack)	NO <sub>x</sub> , CO, and diluent gases CO <sub>2</sub> or O <sub>2</sub>

<b>Common Name</b>	<b>Parameter Continuously Monitored</b>
FCCU regenerator wet gas venturi scrubber	Operating system parameters for the pressure drop and liquid flow rate (for alternate opacity monitoring purposes).
Refinery Fuel Gas System (V-106A)	H <sub>2</sub> S

1 - As an alternative to installing SO<sub>2</sub> CEMS on the Condensate Splitter Heater (40CSPLTH-1), the holder of this permit may verify compliance of SO<sub>2</sub> from the Condensate Splitter Heater by continuously monitoring and recording the concentration of hydrogen sulfide (H<sub>2</sub>S) in the fuel gas prior to combustion (as specified in 40 CFR § 60.105(a)(4)); however, H<sub>2</sub>S concentrations averaged over a one-hour time period will be used to show compliance).

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Attachment D

<b>FCCU Fuel Gas Vent</b>			
<b>Pollutant</b>	<b>Concentration at Averaging Period (ppmvd)</b>		
	<b>1-hour Avg.</b>	<b>7-day rolling</b>	<b>365-day rolling</b>
Carbon monoxide	500	-	100
Sulfur Dioxide	50	50	25
Nitrogen Oxides	70	60	30

Note:

1. 7-day rolling averages and 365-day rolling averages shall be determined at 0% oxygen.
2. The NO<sub>x</sub> emissions generated during periods of planned start-up, shutdown, or maintenance (MSS) are exempt from determining compliance with the 60 ppmvd limit on a 7-day rolling average.
3. The CO emissions generated during periods of planned SSM are exempt from determining compliance with the 500 parts per million by volume, dry (ppmvd) limit on a maximum one-hour period.
4. The SO<sub>2</sub> emissions generated during periods of planned MSS are exempt from determining compliance with the 50 ppmvd limit on a maximum or on a 7-day rolling average.

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Attachment E

SRUs 1, 3, 4 & 5		
EPN	Parameter	Limit
15SRUINCIN	Firebox Temperature	> 1100°F (6-Minute)
25SRUINCIN	Firebox Temperature and O <sub>2</sub>	> 1400°F (6-Minute) * and exhaust oxygen not less than 3 % O <sub>2</sub> *
	SO <sub>2</sub>	250 ppmvd at 0% O <sub>2</sub> (12 Hour Average)
36SRUINCIN	Firebox Temperature and O <sub>2</sub>	> 1400°F (6-Minute) * and exhaust oxygen not less than 3 % O <sub>2</sub> *
	SO <sub>2</sub>	250 ppmvd at 0% O <sub>2</sub> (12 Hour Average)

\* Or the operating parameters as demonstrated during the last satisfactory stack test.

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Attachment F

<b>Sour Water Stripper Surge System</b>	
<b>EPN</b>	<b>Tank Description</b>
38TANK1000	Tank 1000
38TANK1001	Tank 1001
37TANK1002	Tank 1002
22TANK0477	Tank 477
22TANK0479	Tank 479
22TANK0480	Tank 480
22TANK0481	Tank 481
22TANK0482	Tank 482
45TANK0474	Tank 474
67TANK0503	Tank 503
67TANK0504	Tank 504
67TANK0505	Tank 505
67TANK0905	Tank 905

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Attachment G

Cooling Towers	
Source	EPN
FPM Cooling Tower	67FPMCLTWR
Alkylation Unit Cooling Tower	08ALKCLTWR
Cogen Unit Cooling Tower	60COGENTCT
ACU No. 2 HD (Hudson) Cooling Tower	02HDCLGTWR
North Cooling Tower	67NORTHCT
DCP Cooling Tower	30DCPCT1
805 Cooling Tower	67805CLTWR

Date: April 4, 2024

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Attachment H

<b>Non-White/Aluminum Storage Tanks</b>	
<b>EPN</b>	<b>Tank Description</b>
22TANK0516	Tank 516
22TANK0517	Tank 517
22TANK0536	Tank 536
22TANK0537	Tank 537
22TANK0589	Tank 589
22TANK0924	Tank 924
22TANK0925	Tank 925

Date: April 4, 2024

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Attachment I

<b>Uncontrolled Exports (Loading) at Marine Terminal Docks 1, 2 &amp; 3</b>		
<b>Compound</b>	<b>Maximum loading rate of gallons per minute(gpm)</b>	<b>Annual amount loaded barrels per year (bbls/yr)</b>
Asphalt / Asphalt Blend stock	3,500	2,000,000
CBO	3,500	3,445,235
Distillate (Finished and Unfinished)	3,684	9,650,000
Fuel Oil / Gas Oil	4,900	16,818,208
Jet Fuel A	2,000	500,000
Light Cycle Oil	3,684	1,800,000
ULSD (Ship Loading)	8,000	13,400,000

Date: April 4, 2024

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Attachment J

<b>Controlled Exports (Loading) at Marine Terminal Docks 1 &amp; 3</b>		
<b>Compound</b>	<b>Maximum combined loading rate gallons per minute (gpm)</b>	<b>Annual amount loaded barrels per year (bbls/yr)</b>
Benzene	10,500	2,614,004
C4 Iso-Octane	10,500	3,500,000
Cat Naphtha	10,500	1,200,000
Gasoline	10,500	1,200,000
Heavy Raffinate	10,500	2,280,000
Heavy Reformate	10,500	1,800,000
Naphtha	10,500	9,125,000
Off-spec Pygas	10,500	200,000
PFO/PGO	10,500	600,000
Refinery Alkylate	10,500	2,500,000
Stabilized Pygas	10,500	1,825,000
Toluene	10,500	3,200,000
Xylene	10,500	2,265,898

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Attachment K

<b>Tank Truck Loading</b>		
<b>Material</b>	<b>Hourly (gal/hr)</b>	<b>Annual (bbl/yr)</b>
Gasoline/FAS150	67,200	4,000,000
Middle Distillate	7,500	4,000,000
Atosol 100	16,800	438,000
FAS150	16,800	460,000
Gasoline	16,800	4,000,000

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Attachment L

<b>Authorized LPG Materials</b>
Propane
Propylene (PPs)
High Purity Butane
Isobutane
Mixed Butanes
Butylenes (BBs)
Pentane

Date: April 4, 2024



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Attachment M

<b>Benzene Storage Tanks with Vapor Combustors</b>	
<b>Tanks (FIN)</b>	<b>Vapor Combustor (EPN)</b>
22TANK0808	22BZNTKFLR
22TANK0809	
22TANK0810	
22TANK0926	22TK926FLR
50TANK928	50BZTNKFLR
50TANK929	
50TANK930	

Date: April 4, 2024

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Attachment N

Inherently Low Emitting Activities					
Activity	Emissions				
	VOC	NO <sub>x</sub>	CO	PM	H <sub>2</sub> S/SO <sub>2</sub>
Meter proving	X	-	-	-	-
Inspection, maintenance, repair and replacement of filters, screens, baskets, and strainers	X	-	-	-	-
Inspection, maintenance, blowdown, repair, replacement, adjustment, testing and calibration of instrumentation/analyzer/analytical equipment	X	X	X	-	X
Inspection, maintenance, repair and replacement of carbon canisters	X	-	-	-	-
Catalyst activation/deactivation/charging/handling	X	-	-	X	-
Tank seal inspections	X	-	-	-	-
Water washing empty drums, totes and misc. small equipment	X	-	-	-	-
Adhesives application	X	-	-	-	-
Sample collection and purging	X	-	-	-	-
Soap and other liquid-based cleaners	X	-	-	-	-
Aerosol cans and other consumables	X	-	-	-	-
Inspection, maintenance, blowdown, repair and replacement of monitoring/measuring equipment (e.g., site glasses, rotameters, meter proving)	X	-	-	-	-
Management of sludge from pits, ponds, sumps and water conveyances	X	-	-	-	-
Cleaning (including strainers, lube oil systems)	X	-	-	-	-
Acid and caustic washing	X	-	-	-	X
Replacements, repairs and other inspections of floating roof tank seals and gaskets on any equipment	X	-	-	-	-
Inspection, maintenance, blowdown and repairs on water circulatory systems (cooling/boiler)	X	-	-	X	-
Hose disconnections	X	-	-	-	-

Date: April 4, 2024

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Attachment O

Routine Maintenance Activities

Planned maintenance, start-up, and shutdown activities performed with work orders where the isolated system volume is less than 30 cubic feet. These include activities such as:

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

Date: April 4, 2024

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Attachment P

<b>MSS Activity Summary</b>			
<b>Facilities</b>	<b>Description</b>	<b>Emissions Activity</b>	<b>EPN</b>
all process units	process unit shutdown, depressurize, purge/degas	vent to flare	MSS_FLR
all process units	process unit drain, purge/degas	vent to atmosphere	MSS_ATM
all process units	process unit start-up	vent to flare	MSS_FLR
Attachment O activities	depressurize, purge/degas for facility/component repair/replacement	vent to flare	41NORHTHFLR 53MIDFLARE53 SOUTHFLR
Attachment O activities	drain, purge/degas for and recovery from facility/component repair/replacement	vent to atmosphere	MSS_ATM
Attachment O activities	recovery from facility/component repair/replacement	vent to flare	41NORHTHFLR 53MIDFLARE 53SOUTHFLR
vacuum trucks	remove liquid from Attachment Q facilities for planned MSS	vent to atmosphere controlled and uncontrolled	MSS_ATM
frac tanks	store liquid from Attachment Q facilities for planned MSS	vent to atmosphere controlled and uncontrolled	MSS_ATM
all floating roof tanks	tank roof landing	operation with landed roof	MSS_TANK
all floating roof tanks	degas of a tank with landed roof	controlled degassing	MSS_TANK
all tanks	tank cleaning	cleaning activity and solvents	MSS_TANK
Attachment N	miscellaneous low emitting activities	Attachment A	MSS_ATM
benzene tank flare	benzene tank flare MSS	benzene tank emissions	MSS_TKFLR
FCCU	wet gas scrubber emissions during FCCU start-up	FCCU start-up	MSS_WGS

<b>MSS Activity Summary</b>			
Facilities	Description	Emissions Activity	EPN
SRU	SRU Incinerator Emissions during SRU MSS	idle SRU, pump swap, line sweep, and other planned MSS activities	MSS_INCIN
VDU-1 charge heater	heater MSS	Merox vent to atmosphere	MSS_ATM
all process units	preparation for a unit turnaround or facility/component repair/replacement	remove liquid	41NORHTHFLR
North and South CPIs	Inspect and clean bar screens, sludge cleanout	vent to atmosphere controlled and uncontrolled	MSS_ATM

Date: April 4, 2024

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Attachment Q

Facility List

This permit authorizes emissions from the following temporary facilities used to support planned maintenance, startup, and shutdown (MSS) activities at permanent site facilities: frac tanks, containers, vacuum trucks, facilities used for painting or abrasive blasting, portable control devices identified in Special Condition No. 75, and controlled recovery systems. Emissions from temporary facilities are authorized provided the temporary facility (a) does not remain on the plant site for more than 12 consecutive months, (b) is used solely to support planned MSS activities at the permanent site facilities listed in this Attachment, and (c) does not operate as a replacement for an existing authorized facility.

This permit authorizes MSS emissions from the permanent site facilities authorized by this permit.

Date: April 4, 2024

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Attachment R

<b>Uncontrolled Facility List</b>		
<b>Description</b>	<b>FIN</b>	<b>EPN</b>
811 Sump East of East End Complex	52LS811SMP	52LS811SMP
Old DI Unit Lift Station	67LS61P20	67LS61P20
Lift Station North of TK-560	67LSN560	67LSN560
Lift Station North of TK-595	67LSN595	67LSN595
Washout Slab Lift Station	67LSWSHOUT	67LSWSHOUT
Lift Station South of TK-602	67LSS602	67LSS602
Lift Station East of DAF	67LSEDAF	67LSEDAF
Lift Station Northeast of TK-660	67LSNE660	67LSNE660
Lift Station North of TK-905	67LSN905	67LSN905
Biological Unit Process Area Sump	67LSBIOTRT	67LSBIOTRT
Dock Spillage Collection Tank	45DOCK45V1	45DOCK45V1
Dock Spillage Collection Tank	45DOCK45V3	45DOCK45V3

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Attachment S

<b>Wastewater Systems Routed to a Closed Vent System</b>		
<b>Treatment Unit</b>	<b>Component Name</b>	<b>FIN</b>
Biological Pretreatment Unit	South CPI	67SCPI
	Rapid Mix Tank	67SRAPIDMIX
	South Skimmed Oil Tank	67SCPISOT
	Induced Gas Flotation (IGF) Unit	67IGF
	ISF Splitter Box	67ISFSPLBX
Benzene NESHAP Pretreatment Unit	API Separator	67NESHAPIA
	API Separator	67NESHAPIB
	Dissolved Nitrogen Flotation (DNF) Unit A	67NESHDNFA
	DNF Unit B	67NESHDNFB
	Rapid Mix Tanks	67NESHHRMT
	Recovered Oil Tank	67NESHROIL
	Floc/Splitter	67NESHFLSP
	DNF Effluent Tank	67NESHDNFE
Solids/Liquids System	Solid/Liquid Tank	67TANK0679
	Solid/Liquid Tank	67TANK0680
	Spent Caustic Tank	67TANK0681
Recovered Oil System	Blowdown Drum	67BLWDN201
	Blowdown Drum	67BLWDN202
	Blowdown Drum	67BLWDN203
Miscellaneous	Condensate Splitter Process Sewer Drum	40CSWSUMP
	Sats Gas Closed Process Drain Drum	09SATGASDM
	Sulfur Block Sour Water Drain Drum	39V703
	Greenfield Process Sewer Drum	43V519
	Amine Unit No. 2 Amine Drain Drum	42V303
	SCOT Solvent Drips Tank	25V603
	DHT-3 Amine Sewer Drum	43V518

Date: April 4, 2024



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Attachment T

<b>VOC and H<sub>2</sub>S Breakthrough Concentrations</b>				
<b>EPN</b>	<b>Component Name</b>	<b>Sampling Frequency (see notes)</b>	<b>Breakthrough Concentration (VOC ppm)</b>	<b>Breakthrough Concentration (H<sub>2</sub>S ppm)</b>
14FL106CC	Amine Unit Carbon Absorption System	Working Day	100 ppm	N/A
14V103CC	ARU 1 Amine Sump	Working Day	100 ppm	N/A
20TRKRCKCC	Truck Rack Sump	Working Day	100 ppm	N/A
25TK601CC	25TK-601 MDEA Tank	Working Day	100 ppm	N/A
40CSOWSCC	Condensate Splitter Oily Water Sump Carbon Canisters	Working Day	50 ppm	N/A
42TK301CC	ARU-2 Lean Amine Tank (TK-301)	Working Day	100 ppm	10 ppm
45V104CC	Dock 2 Spill Back Tank Carbon Canisters	Working Day	50 ppm	N/A
45V1CC	Dock 1 Spillback Collection Sump	Working Day	50 ppm	N/A
45V3CC	45V3 Collection Sump	Working Day	100 ppm	N/A
45V3ACC	Dock 3A Spillback Collection Sump	Working Day	50 ppm	N/A
45V3BCC	Dock 3B Spillback Collection Sump	Working Day	50 ppm	N/A
51DHT1ASCC	DHT No. 1 Amine Sump	Monthly	N/A	10 ppm
52DHT2ASCC	DHT No. 2 Amine Sump	Monthly	N/A	10 ppm
52DHT2OSCC	Lift Station East End of Unit 813	Working Day	100 ppm	N/A
52FLORPWCC	Florida Unit Process Water Sump Carbon Canisters	Working Day	50 ppm	N/A
54GHTCC	GHT Unit Sump	Working Day	50 ppm	N/A
55JETTRCC	Jet Treater Sump Carbon Canisters	Working Day	50 ppm	N/A
60CGNPWCC	Cogen Unit Process Water Sump Carbon Canisters	Working Day	50 ppm	N/A
60CGNSWCC	Cogen Unit Storm Water Sump Carbon Canisters	Working Day	50 ppm	N/A
67DCUOWSCC	DCU OWS Sump	Working Day	100 ppm	N/A
67DCUSWSCC	DCU Stormwater Sump	Working Day	100 ppm	N/A
67NBPCC	North Barrel Pump Sump	Working Day	50 ppm	N/A

	Carbon Canisters			
67NCPICC	North CPI Carbon Canisters	Working Day	50 ppm	N/A
67NSWCC	North Storm Water Sump Carbon Canisters	Working Day	50 ppm	N/A
67PHADJCC	pH Adjuster/Splitter Tank (TK-402) Carbon Canisters	Working Day	50 ppm	N/A
67SBOWSCC	Sulfur Block OWS	Working Day	50 ppm	N/A
67SBPCC	South Barrel Pump Sump Carbon Canisters	Working Day	50 ppm	N/A
67SBSWCC	Sulfur Block Stormwater	Working Day	50 ppm	N/A
67SCALCC	Contract ScalFuel Dewatering Carbon Canisters	Working Day	50 ppm	N/A
67SKIMCC	Sour Water Skimmer	Working Day	50 ppm	N/A
67SSWCC	South Storm Water Sump Carbon Canisters	Working Day	50 ppm	N/A
67TK660CC	IGF Float Tank (TK-660)	Working Day	100 ppm	N/A
67VDUOWSCC	VDU-2 Sump	Working Day	50 ppm	N/A
67WSHSLBCC	Wash Slab Sump	Working Day	100 ppm	N/A
75LABCC	Lab Sump Carbon Canisters	Working Day	50 ppm	N/A
08TANK0668	Tank 668 Carbon Canisters	Working Day	100 ppm	N/A
08TANK0923	Tank 923 Carbon Canisters	Working Day	100 ppm	N/A

Note: Working Day – The CAS shall be sampled every working day, not to exceed more than 4 continuous days, to determine the breakthrough of VOC.

Date: April 4, 2024

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Attachment U

<b>Air Contaminant Loading and Emission Limits (EPNs: 67AERTKA, 67AERTKB, 67AERTKC and 67AERTKD)</b>					
<b>Compound Name</b>	<b>CAS Number</b>	<b>Maximum Loading Rate (lb/hr)</b>	<b>Annual Loading Rate (tpy)</b>	<b>Hourly Emissions (lb/hr)</b>	<b>Annual Emissions (tpy)</b>
Benzene	71-43-2	23.02	93.47	3.17	7.64
Toluene	108-88-3	92.07	373.89	7.09	16.30
Ethyl Benzene	100-41-4	92.07	373.89	10.70	27.74
Xylene (all isomers)		69.05	290.42	1.00	1.00
1,2,4 Trimethylbenzene	25551-13-7	11.51	46.74	15.00	42.86
Naphthalene	91-20-3	34.52	140.21	3.34	8.19

Dated: April 4, 2024

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Attachment V

Stack Sampling					
Emission Point Name	EPN	Pollutant	Method Specified	Specific Operating Conditions	Completion Timing
DMO and Asphalt/Resin Phase Heaters	10DEMEXH-2	NO <sub>x</sub>	Not Specified	Operate at a maximum production rate	Within 60 days after the facility achieves maximum production.
	10DEMEXH-4	CO	Not Specified		
Crude Unit Heater H-101	01ACU1H101	NO <sub>x</sub>	Not Specified	Operate at maximum production rates. Fuel gas shall be tested for (but not limited to) total sulfur, hydrocarbons, and hydrogen	Within 60 days after the facility achieves maximum production.
		SO <sub>2</sub>	Not Specified		
		H <sub>2</sub> S	Not Specified		

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Within 60 days after the facility achieves maximum production.					
		NO <sub>x</sub>	Not Specified		
		O <sub>2</sub>	Not Specified		
		CO	Not Specified		
		Carbonyl sulfide	Not Specified		
		VOC	Not Specified		
		H <sub>2</sub> S	Not Specified		
		PM	Not Specified		
Cogeneration Unit	60COGENST K	PM	EPA Reference Method 5	<p>Sampling by means of one of the appropriate test methods specified in 40 CFR § 60.335(b) shall be conducted to determine initial compliance with the sulfur dioxide (SO<sub>2</sub>) maximum allowable emission rate and 40 CFR § 60.333.</p> <p>Air emissions from the turbine and duct burner to be tested for at full load include (but are not limited to) the following:</p> <ol style="list-style-type: none"> <li>1. NO<sub>x</sub>, CO, VOC, and SO<sub>2</sub> while firing natural gas only.</li> <li>2. NO<sub>x</sub>, CO, VOC, and SO<sub>2</sub> while firing the maximum available quantity of refinery gas.</li> <li>3. NO<sub>x</sub>, CO, VOC, SO<sub>2</sub>, and PM while firing LPG fuel</li> </ol> <p>For natural gas, refinery fuel gas (containing the maximum available hydrogen content at the time of testing), and LPG fuel firing; CO and NO<sub>x</sub> shall be sampled concurrently at four turbine loads, including the minimum point in the normal operating range and the peak load for the atmospheric conditions occurring during the test. The NO<sub>x</sub> concentrations for the turbine and duct burner</p>	Within 60 days after the facility achieves maximum production.
		SO <sub>2</sub>	Test methods specified in 40 CFR § 60.335(b)		

		CO	EPA Reference Method 10		
		NO <sub>x</sub>	EPA Reference Method 20		
		O <sub>2</sub>	EPA Reference Method 20		
		VOC	EPA Reference Method 25		
Condensate Splitter Heater	40CSPLTH-1	NO <sub>x</sub>	EPA Reference Method 20	Operate at maximum production and/or fill rate.	Within 60 days after startup.
		CO	EPA Reference Method 10		
		SO <sub>2</sub>	EPA Reference Method 8 or Reference Methods 6 or 6c		
		PM10	EPA Reference Methods 201A and 202 or Reference Method 5, modified to include back-half condensables for the concentration of particulate matter less than 10 microns in diameter		
Vapor Combustor	22BZNTKFLR	NO <sub>x</sub>	EPA Reference Method 20	Operate at maximum production and/or fill rate.	Within 60 days after startup.
		CO	EPA Reference Method 10		
		VOC	EPA Reference Method 25A, modified to exclude methane and ethane (to measure total carbon as propane)		
Boilers 61ST301BLR and 61ST351BLR	61STACKBLR	NO <sub>x</sub>	Not Specified	Operate at maximum production rates. Sampling by means of one of the test methods specified in 40 CFR §60.45(b) or any test method approved by EPA	Within 60 days after startup.

		Opacity	EPA Reference Method 9 for opacity		
		CO	EPA Reference Method 10		
		SO <sub>2</sub>	40 CFR §60.45(b) or any test method approved by EPA and/or the TCEQ Executive Director		
		O <sub>2</sub>	EPA Reference Method 3		
Marine Terminal Vapor Combustor 1 Stack	45DOCKTO1	VOC	Not Specified	Vapor Combustor shall be tested during the loading of three different controlled products: naphtha, benzene, and heavy reformate. If refinery operations do not allow these compounds to be used, other compounds may be selected during the pre-test meeting.  For the increase in production authorized by permit amendment application dated February 14, 2022, testing shall occur during loading of naphtha only.	Within 60 days after startup and within 180 days of the increase in production authorized by permit amendment application dated February 14, 2022.
		CO	Not Specified		
		NO <sub>x</sub>	Not Specified		
Marine Terminal Vapor Combustor 2 Stack	45DOCKTO2	VOC	Not Specified	Vapor Combustor shall be tested during the loading of three different controlled products: naphtha, benzene, and heavy reformate. If refinery operations do not allow these compounds to be used, other compounds may be selected during the pre-test meeting.  For the increase in production authorized by permit amendment application dated February 14, 2022, testing shall occur during loading of naphtha only.	Within 60 days after startup and within 180 days of the increase in production authorized by permit amendment application dated February 14, 2022.
		CO	Not Specified		

		NO <sub>x</sub>	Not Specified		
Tank 926 Flare	22TK926FLR	VOC	Not Specified	Testing should occur only: (1) at times when the vapor oxidizer is only combusting benzene emissions from standing losses from the tank such as when lean mixtures of benzene are sent to the vapor oxidizer such as after a benzene tank is refilled after it has been emptied, and (2) at times when the benzene storage tank is being loaded or unloaded.	Within 60 days after startup.
		CO	Not Specified		
		NO <sub>x</sub>	Not Specified		
Tanks 928, 929, and 930 Flare	50BZTNKFLR	VOC	Not Specified	Testing should occur only: (1) at times when the vapor oxidizer is only combusting benzene emissions from one tank (either Tank 929 or Tank 930) as it is receiving benzene product from the production unit and while combusting standing losses from the remaining tanks (Tank 928 and either Tank 929 or Tank 930) and (2) at times when the benzene storage tanks are being loaded or unloaded.	
		CO	Not Specified		
		NO <sub>x</sub>	Not Specified		
SRU 4 Incinerator	25SRUINCIN	CO	Not Specified	Operate at maximum operating capacity.	
		SO <sub>2</sub>	Not Specified		
		NO <sub>x</sub>	Not Specified		
		H <sub>2</sub> S	Not Specified		
SRU 5 Incinerator	36SRUINCIN	CO	Not Specified	Operate at maximum operating capacity.	
		SO <sub>2</sub>	Not Specified		
		NO <sub>x</sub>	Not Specified		
		H <sub>2</sub> S	Not Specified		
VDU-2 Heater	06VDU2CHTR	CO	Not Specified	Operate at maximum firing rate during stack emission testing.	
		NO <sub>x</sub>	Not Specified		
DCU Heater 1	30CKRHTR1	CO	Not Specified	Operate at maximum firing rate during stack emission testing.	
		NO <sub>x</sub>	Not Specified		
DCU Heater 2	30CKRHTR2	CO	Not Specified	Operate at maximum firing rate during stack emission testing.	
		NO <sub>x</sub>	Not Specified		

DHT-3 Charge Heater	43DHT3CHTR	CO	Not Specified	Operate at maximum firing rate during stack emission testing.	
		NO <sub>x</sub>	Not Specified		
KNHT Charge Heater	31KNHTHTR	CO	Not Specified	Operate at maximum firing rate during stack emission testing.	
		NO <sub>x</sub>	Not Specified		
DHT No. 1 Heater H-1	51DHT1H-1	NO <sub>x</sub>	Not Specified	Operate at a maximum production rate.	Within 60 days after the facility achieves maximum production.
		CO	Not Specified		
		VOC	Not Specified		
		PM <sub>10</sub>	Not Specified		
		SO <sub>2</sub>	Not Specified		
DHT No. 1 Heater H-3	51DHT1H-3	NO <sub>x</sub>	Not Specified	Operate at a maximum production rate.	Within 60 days after the facility achieves maximum production.
		CO	Not Specified		
		VOC	Not Specified		
		PM <sub>10</sub>	Not Specified		
		SO <sub>2</sub>	Not Specified		
DHT No. 2 Heater H-1	52DHT2H-1	NO <sub>x</sub>	Not Specified	Operate at a maximum production rate.	Within 60 days after the facility achieves maximum production.
		CO	Not Specified		
		VOC	Not Specified		
		PM <sub>10</sub>	Not Specified		
		SO <sub>2</sub>	Not Specified		
DHT No. 2 Heater H-2	52DHT2H-2	NO <sub>x</sub>	Not Specified	Operate at a maximum production rate.	Within 60 days after the facility achieves maximum production.
		CO	Not Specified		
		VOC	Not Specified		
		PM <sub>10</sub>	Not Specified		
		SO <sub>2</sub>	Not Specified		
FCCU Regenerator	55RGNFLUGS	CO	Methods specified in NSPS Subpart J	Operate at maximum production rates including maximum coke burn rate.	Within 60 days after the facility achieves maximum production. Every 5 years after the initial sampling.
		NO <sub>x</sub>			
		SO <sub>2</sub>			
		VOC			
		O <sub>2</sub>			
		NH <sub>3</sub>			

		PM	Methods specified in NSPS Subpart J. except when determining initial compliance with the permit allowable for PM, Method 5 or 5B shall be used as appropriate.	
		HCN	Methods specified in 40 CFR Part 63, NESHAP Subpart UUU	HCN sampling completed on May 2017 and not included in every 5 year testing.
		H <sub>2</sub> SO <sub>4</sub>	Method 8 as modified based on analytical and calculation procedures similar to those established in Method 24 of the Texas Air Control Board (TACB) Laboratory Methods Manual (sample collection system with additional isopropanol (IPA) impingers. Alternative methods may be specified, as appropriate.	H <sub>2</sub> SO <sub>4</sub> sampling shall be achieved within 180 days of modification of the FCCU wet gas scrubber according to issuance of TCEQ permit amendment application dated January 7, 2022, Project No. 337398. Sampling can be performed prior to the modification, if desired.

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Attachment W

LDAR Program Areas			
28VHP FINs (EPN: 28VHPFUG)			28LAER FINs
01ACU1FUGS	17FGRCSFUG	51DHT1FUGS	<b>(EPN: LAERCNQFUG)</b>
01ACU1WWFG	17NHTFUGS	51DHT1WWFG	06VDU2FUGS
01VACTFUGS	17NHTWWFUG	52DHT2FUGS	17LPGRCFUG
02ACU2FUGS	17REFFUGS	52DHT2WWFG	19PSAFUGS
02ACU2WWFG		52FLWWFUG	22BZNTKFUG
04BTXFUGS	20GASTRKFUG	55FCCWWFUG	22TKDCPFUG
04BTXTKFUG	20MOGASBLD	55JETTTFUG	30AMSTFUGS
04BTXWWFUG	22ASTNKFUG	60CGWWFUG	30CKRFUGS
04SULFFUGS	22CRTNKFUG	60COGENFUG	31KNHTFUGS
08ALKYFUGS	22GOTNKFUG	61BLR99FUG	34SRU4FUGS
08ALKYWWFG	22OSFTKFUG	61PBWWFUG	35SRU5FUGS
09SATLQFUG	22TKFMFUGS	67C200AFUG	39SWS3FUGS
09SLWWFUG	28LPGFUGS	67C200FUGS	42FGTFUGS
10DEMEXFUG	33SR2WWFUG	67C200WWFG	43DHT3FUGS
10DMXWWFUG	37SWS2FUGS	67NPWWFUG	47SWS4FUGS
10GRUFUGS	37SWS2WWFG	BIOPRTFUG	
10GRUWWFUG	38SWS1FUGS	BIOTRTFUG	<b>(EPN: LAERCNAFUG)</b>
13UNIBFUGS	38SWS1WWFG	NESHAPSFUG	40CSPLTFUG
13UNIWWFUG	40CSWWFUG	NPWSFUG	55FCCUFUGS
14ATUWWFUG	45DOCK1FUG	RECOILFUG	55OFFGSFUG
14SR1WWFUG	45DOCK2FUG	SOLIDLIQFUG	58GSHDSFUG
15SCOTFUGS	45DOCK3FUG	SPWSFUG	
16ISOMFUGS	50TDPFUGS	03ACU3FUGS	<b>28MID FINs (EPN: 28MIDFUG)</b>
16ISOMWWFG	50TDPWWFUG		14SRU1FUGS
			33SRU3FUGS

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Attachment X

Storage Tank Approved Product List

<b>EPN</b>	<b>Tank Description</b>	<b>Type</b>	<b>Service</b>
22TANK0475	Tank 475	EFR	Naphtha
22TANK0476	Tank 476	EFR	Naphtha
22TANK0525	Tank 525	EFR	Gasoline, Light Naphtha
22TANK0541	Tank 541	EFR	Gasoline, Light Naphtha
22TANK0910	Tank 910	EFR	Gasoline, Light Naphtha
22TANK0800	Tank 800	EFR	Crude Oil, condensate
22TANK0801	Tank 801	EFR	Crude Oil, condensate
22TANK0917	Tank 917	VFT	Diesel, unfinished diesel, jet fuels
22TANK0918	Tank 918	VFT	Diesel, unfinished diesel, jet fuels
22TANK0933	Tank 933	VFT	Diesel
22TANK0934	Tank 934	VFT	Diesel

Date: April 4, 2024

Emission Sources - Maximum Allowable Emission Rates

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This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
FLARECAP	North Flare Middle Flare South Flare East Flare	NO <sub>x</sub>	33.00	30.09
		CO	226.90	159.53
		SO <sub>2</sub>	10.67	9.93
		VOC	529.58	310.41
		H <sub>2</sub> S	0.13	0.12
<b>Heater / Boilers</b>				
01ACU1H101	ACU No. 1 Heater H-101	NO <sub>x</sub>	5.80	25.40
		CO	5.80	25.40
		SO <sub>2</sub>	3.83	6.82
		VOC	0.76	3.35
		PM	1.08	4.73
		PM <sub>10</sub>	1.08	4.73
		PM <sub>2.5</sub>	1.08	4.73
01ACU1202A	ACU No. 1 Heater 202A	NO <sub>x</sub>	11.22	49.14
		CO	13.25	32.60
		SO <sub>2</sub>	4.94	8.80
		VOC	1.01	1.28
		PM	1.39	6.10
		PM <sub>10</sub>	1.39	6.10
		PM <sub>2.5</sub>	1.39	6.10

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
01ACU1202B	ACU No. 1 Heater 202B	NO <sub>x</sub>	11.22	49.14
		CO	13.25	32.60
		SO <sub>2</sub>	4.94	8.80
		VOC	1.01	1.28
		PM	1.39	6.10
		PM <sub>10</sub>	1.39	6.10
		PM <sub>2.5</sub>	1.39	6.10
01VACTH301	VDU No. 1 Heater H-301	NO <sub>x</sub>	3.15	13.80
		CO	4.20	18.40
		SO <sub>2</sub>	4.58	12.85
		VOC	0.55	2.42
		PM	0.78	3.43
		PM <sub>10</sub>	0.78	3.43
		PM <sub>2.5</sub>	0.78	3.43
02ACU2H201	ACU No. 2 Heater H-201	NO <sub>x</sub>	6.66	16.95
		CO	8.88	22.60
		SO <sub>2</sub>	5.87	6.07
		VOC	0.77	1.58
		PM	1.37	2.82
		PM <sub>10</sub>	1.37	2.82
		PM <sub>2.5</sub>	1.37	2.82

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
04BTXH-51	BTX Heater H-51	NO <sub>x</sub>	1.90	8.20
		CO	1.90	8.40
		SO <sub>2</sub>	0.80	3.70
		VOC	0.15	0.66
		PM	0.40	1.90
		PM <sub>10</sub>	0.40	1.90
		PM <sub>2.5</sub>	0.40	1.90
04BTXH-52	BTX Heater H-52	NO <sub>x</sub>	3.80	16.60
		CO	3.80	16.80
		SO <sub>2</sub>	1.70	7.40
		VOC	0.30	1.33
		PM	0.90	3.80
		PM <sub>10</sub>	0.90	3.80
		PM <sub>2.5</sub>	0.90	3.80
04BTXH-53	BTX Heater H-53	NO <sub>x</sub>	3.90	17.10
		CO	4.00	17.40
		SO <sub>2</sub>	1.70	7.70
		VOC	0.31	1.37
		PM	0.90	3.90
		PM <sub>10</sub>	0.90	3.90
		PM <sub>2.5</sub>	0.90	3.90

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
06VDU2CHTR	VDU No. 2 Heater	NO <sub>x</sub>	2.97	11.71
		CO	6.89	13.64
		SO <sub>2</sub>	2.37	4.39
		VOC	0.52	2.06
		PM	1.27	5.00
		PM <sub>10</sub>	1.27	5.00
		PM <sub>2.5</sub>	1.27	5.00
10DEMEXH-2	Demex Heater H-2	NO <sub>x</sub>	2.45	10.73
		CO	4.87	10.71
		SO <sub>2</sub>	1.68	3.45
		VOC	0.38	1.65
		PM	0.52	2.28
		PM <sub>10</sub>	0.52	2.28
		PM <sub>2.5</sub>	0.52	2.28
10DEMEXH-4	Demex Heater H-4	NO <sub>x</sub>	3.43	15.02
		CO	6.82	15.00
		SO <sub>2</sub>	2.35	4.82
		VOC	0.53	2.31
		PM	0.73	3.20
		PM <sub>10</sub>	0.73	3.20
		PM <sub>2.5</sub>	0.73	3.20

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
13UNIBH301	Unibon Heater H-301	NO <sub>x</sub>	3.00	13.14
		CO	4.00	17.52
		SO <sub>2</sub>	2.64	4.70
		VOC	0.58	2.53
		PM	0.50	2.19
		PM <sub>10</sub>	0.50	2.19
		PM <sub>2.5</sub>	0.50	2.19
17NHTHTRS	NHT Heaters	NO <sub>x</sub>	3.77	16.50
		CO	4.40	19.25
		SO <sub>2</sub>	3.32	4.55
		VOC	0.68	3.00
		PM	0.94	4.14
		PM <sub>10</sub>	0.94	4.14
		PM <sub>2.5</sub>	0.94	4.14
17REFHTRS	Reformer Heaters	NO <sub>x</sub>	14.85	65.04
		CO	15.75	68.99
		SO <sub>2</sub>	11.90	16.28
		VOC	2.43	10.60
		PM	3.35	14.69
		PM <sub>10</sub>	3.35	14.69
		PM <sub>2.5</sub>	3.35	14.69

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
30CKRHTR1	DCU Heater No. 1 (13)	NO <sub>x</sub>	2.11	8.33
		NO <sub>x</sub> (MSS)	13.72	-
		CO	14.68	26.33
		SO <sub>2</sub>	5.06	8.49
		VOC	1.11	3.87
		PM	3.90	13.41
		PM (MSS)	1.57	-
		PM <sub>10</sub>	3.90	13.41
		PM <sub>10</sub> (MSS)	1.57	-
		PM <sub>2.5</sub>	3.90	13.41
		PM <sub>2.5</sub> (MSS)	1.57	-
30CKRHTR2	DCU Heater No. 2 (13)	NO <sub>x</sub>	2.11	8.33
		NO <sub>x</sub> (MSS)	13.72	-
		CO	14.68	26.33
		SO <sub>2</sub>	5.06	8.49
		VOC	1.11	3.87
		PM	1.57	5.48
		PM <sub>10</sub>	1.57	5.48
		PM <sub>2.5</sub>	1.57	5.48
31KNHTR	KNHT Heater	NO <sub>x</sub>	1.26	1.38
		CO	2.92	1.61
		SO <sub>2</sub>	1.01	0.52
		VOC	0.22	0.24
		PM	0.31	0.34
		PM <sub>10</sub>	0.31	0.34
		PM <sub>2.5</sub>	0.31	0.34

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
40CSPLTH-1	Condensate Splitter Heater H-1	NO <sub>x</sub>	18.40	46.22
		CO	2.36	10.17
		SO <sub>2</sub>	6.08	7.22
		VOC	0.58	2.50
		PM	4.02	16.67
		PM <sub>10</sub>	4.02	16.67
		PM <sub>2.5</sub>	4.02	16.67
43DHT3CHTR	DHT-3 Heater (13)	NO <sub>x</sub>	2.25	7.23
		CO	5.22	8.42
		CO (MSS)	3.50	-
		SO <sub>2</sub>	1.80	2.71
		VOC	0.40	1.27
		PM	0.56	1.79
		PM <sub>10</sub>	0.56	1.79
		PM <sub>2.5</sub>	0.56	1.79
50TDPH-1	TDP Heater H-1	NO <sub>x</sub>	3.90	10.95
		CO	2.76	7.81
		SO <sub>2</sub>	1.03	1.18
		VOC	0.21	0.59
		PM	0.29	0.82
		PM <sub>10</sub>	0.29	0.82
		PM <sub>2.5</sub>	0.29	0.82



Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
51DHT1H-1	DHT No. 1 Heater H-1	NO <sub>x</sub>	2.52	8.14
		CO	4.46	14.41
		SO <sub>2</sub>	1.67	2.18
		VOC	0.33	1.07
		PM	1.07	3.45
		PM <sub>10</sub>	1.07	3.45
		PM <sub>2.5</sub>	1.07	3.45
51DHT1H-3	DHT No. 1 Heater H-3	NO <sub>x</sub>	1.60	5.59
		CO	3.23	11.23
		SO <sub>2</sub>	1.20	1.72
		VOC	0.24	0.84
		PM	0.58	2.04
		PM <sub>10</sub>	0.58	2.04
		PM <sub>2.5</sub>	0.58	2.04
52DHT2H-1	DHT No. 2 Heater H-1	NO <sub>x</sub>	2.03	7.12
		CO	4.11	14.41
		SO <sub>2</sub>	1.53	2.18
		VOC	0.31	1.07
		PM	0.43	1.52
		PM <sub>10</sub>	0.43	1.52
		PM <sub>2.5</sub>	0.43	1.52

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
52DHT2H-2	DHT No. 2 Heater H-2	NO <sub>x</sub>	2.30	8.07
		CO	4.66	16.33
		SO <sub>2</sub>	1.74	2.48
		VOC	0.35	1.21
		PM	0.84	2.95
		PM <sub>10</sub>	0.84	2.95
		PM <sub>2.5</sub>	0.84	2.95
61STACKBLR	Boilers 61ST301BLR 61ST351BLR (249 MMBtu/hr each)	NO <sub>x</sub>	24.90	63.46
		CO	35.54	64.72
		SO <sub>2</sub>	14.24	14.28
		VOC	2.74	9.98
		PM	3.80	13.84
		PM <sub>10</sub>	3.80	13.84
		PM <sub>2.5</sub>	3.80	13.84
<b>Cogen</b>				
60COGENSTK	Cogen Unit	NO <sub>x</sub>	145.01	472.91
		CO	77.26	336.62
		SO <sub>2</sub>	21.74	77.00
		VOC	2.33	7.08
		PM	5.65	19.91
		PM <sub>10</sub>	5.65	19.91
		PM <sub>2.5</sub>	5.65	19.91

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
<b>FCCU</b>				
55RGNFLUGS	FCCU Regenerator (13)	NO <sub>x</sub>	82.42	195.21
		CO	143.69	180.34
		SO <sub>2</sub>	81.91	114.82
		SO <sub>2</sub> (MSS)	674.30	-
		VOC	8.45	27.09
		PM	52.96	186.66
		PM <sub>10</sub>	52.96	186.66
		PM <sub>2.5</sub>	52.96	186.66
		NH <sub>3</sub>	3.92	15.50
		HCN	68.36	295.98
55FCCUHOP	Catalyst Transport	PM	0.02	0.10
		PM <sub>10</sub>	0.02	0.10
		PM <sub>2.5</sub>	0.02	0.10
<b>CCR Reformer</b>				
17REFREGEN	Catalyst Regeneration	CO	6.60	28.91
		VOC	0.06	0.28
		HCl	0.07	0.25
		Cl <sub>2</sub>	0.02	0.04

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
<b>Sulfur Blocks</b>				
15SRUINCIN	SRU No. 1 & 3 Tail Gas TO	NO <sub>x</sub>	4.50	13.14
		CO	40.37	123.06
		SO <sub>2</sub>	37.80	66.20
		VOC	2.00	7.60
		PM	1.08	3.15
		PM <sub>10</sub>	1.08	3.15
		PM <sub>2.5</sub>	1.08	3.15
		H <sub>2</sub> S	1.06	1.85
25SRUINCIN	SRU No. 4 Incinerator	NO <sub>x</sub>	6.40	14.59
		CO	39.53	36.85
		SO <sub>2</sub>	55.31	136.66
		VOC	0.43	0.98
		PM	2.50	5.71
		PM <sub>10</sub>	2.50	5.71
		PM <sub>2.5</sub>	2.50	5.71
		H <sub>2</sub> S	0.03	0.07
36SRUINCIN	SRU No. 5 Incinerator	NO <sub>x</sub>	6.40	14.59
		CO	39.53	36.85
		SO <sub>2</sub>	55.31	136.66
		VOC	0.43	0.98
		PM	2.50	5.71
		PM <sub>10</sub>	2.50	5.71
		PM <sub>2.5</sub>	2.50	5.71
		H <sub>2</sub> S	0.03	0.07

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
<b>Cooling Towers</b>				
02HDCLGTWR	ACU No. 2 HD (Hudson) Cooling Tower	VOC	0.63	2.76
		PM	1.38	6.03
		PM <sub>10</sub>	0.41	1.81
		PM <sub>2.5</sub>	<0.01	0.01
08ALKCLTWR	Alkylation Unit Cooling Tower	VOC	0.38	1.66
		PM	0.23	0.99
		PM <sub>10</sub>	0.07	0.30
		PM <sub>2.5</sub>	<0.01	<0.01
30DCPCT1	DCP Cooling Tower	VOC	2.31	10.12
		PM	0.50	2.19
		PM <sub>10</sub>	0.34	1.47
		PM <sub>2.5</sub>	0.01	0.01
60COGENCT	Cogen Unit Cooling Tower	VOC	0.08	0.37
		PM	0.25	1.10
		PM <sub>10</sub>	0.07	0.33
		PM <sub>2.5</sub>	<0.01	<0.01
67FPMCLTWR	FPM Cooling Tower	VOC	2.10	9.20
		PM	1.25	5.48
		PM <sub>10</sub>	0.37	1.64
		PM <sub>2.5</sub>	0.01	0.04
67NORTHCT	North Cooling Tower	VOC	0.54	2.36
		PM	0.16	0.70
		PM <sub>10</sub>	0.05	0.21
		PM <sub>2.5</sub>	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
67805CLTWR	805 Cooling Tower	VOC	0.70	3.05
		PM	1.04	4.55
		PM <sub>10</sub>	0.60	2.64
		PM <sub>2.5</sub>	<0.01	0.01
<b>Fixed Roof Storage Tanks</b>				
20TANK2000	VOC Storage Tank No. 2000	VOC	1.32	-
20TANK2003	VOC Storage Tank No. 2003	VOC	1.47	-
22TANK0316	VOC Storage Tank No. 0316	VOC	1.32	-
22TANK0317	VOC Storage Tank No. 0317	VOC	1.32	-
22TANK0441	VOC Storage Tank No. 0441	VOC	47.53	-
22TANK0516	VOC Storage Tank No. 0516	VOC	0.74	-
22TANK0522	VOC Storage Tank No. 0522	VOC	2.27	-
		H <sub>2</sub> S	0.10	-
22TANK0524	VOC Storage Tank No. 0524	VOC	18.75	-
22TANK0536	VOC Storage Tank No. 0536	VOC	0.59	-
22TANK0537	VOC Storage Tank No. 0537	VOC	1.04	-
		H <sub>2</sub> S	0.03	-
22TANK0538	VOC Storage Tank No. 0538	VOC	195.35	-
22TANK0545	VOC Storage Tank No. 0545	VOC	1.93	-
22TANK0558	VOC Storage Tank No. 0558	VOC	0.59	-
22TANK0559	VOC Storage Tank No. 0559	VOC	1.12	-
22TANK0560	VOC Storage Tank No. 0560	VOC	0.56	-
22TANK0561	VOC Storage Tank No. 0561	VOC	0.56	-
22TANK0586	VOC Storage Tank No. 0586	VOC	7.71	-
22TANK0587	VOC Storage Tank No. 0587	VOC	75.53	-
22TANK0589	VOC Storage Tank No. 0589	VOC	0.68	-
22TANK0902	VOC Storage Tank No. 0902	VOC	75.53	-

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
22TANK0917	VOC Storage Tank No. 0917	VOC	29.71	-
22TANK0918	VOC Storage Tank No. 0918	VOC	29.71	-
22TANK0924	VOC Storage Tank No. 0924	VOC	0.18	-
22TANK0925	VOC Storage Tank No. 0925	VOC	0.44	-
22TANK0933	VOC Storage Tank No. 0933	VOC	20.80	-
22TANK0934	VOC Storage Tank No. 0934	VOC	20.80	-
22TANK0948	VOC Storage Tank No. 0948	VOC	0.70	-
67TANK0636	Solids/Liquids Wastewater Tank No. 0636	VOC	34.34	-
67TK660CC	IGF Float Tank No. 0660	VOC	0.04	-
FXRTCAP	Fixed Roof Tank (8) Annual Cap	VOC	-	64.12
		H <sub>2</sub> S	-	0.09
<b>Crude Oil Storage Tanks</b>				
22TANK0452	VOC Storage Tank No. 0452	VOC	2.17	-
		H <sub>2</sub> S	0.07	-
22TANK0453	VOC Storage Tank No. 0453	VOC	2.19	-
		H <sub>2</sub> S	0.07	-
22TANK0454	VOC Storage Tank No. 0454	VOC	2.19	-
		H <sub>2</sub> S	0.07	-
22TANK0455	VOC Storage Tank No. 0455	VOC	2.17	-
		H <sub>2</sub> S	0.07	-
22TANK0477	VOC Storage Tank No. 0477	VOC	1.94	-
		H <sub>2</sub> S	0.07	-
22TANK0478	VOC Storage Tank No. 0478	VOC	1.97	-
		H <sub>2</sub> S	0.07	-
22TANK0480	VOC Storage Tank No. 0480	VOC	1.76	-
		H <sub>2</sub> S	0.06	-

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
22TANK0481	VOC Storage Tank No. 0481	VOC	1.61	-
		H <sub>2</sub> S	0.05	-
22TANK0482	VOC Storage Tank No. 0482	VOC	1.43	-
		H <sub>2</sub> S	0.05	-
CRUDETCAP	Crude Tank Cap (9)	VOC	-	46.57
		H <sub>2</sub> S	-	1.85
<b>External Floating Roof Storage Tanks</b>				
20TANK2001	Gasoline Storage Tank	VOC	0.40	-
20TANK2002	Gasoline Storage Tank	VOC	0.39	-
22TANK0475	VOC Storage Tank No. 0475	VOC	3.12	-
22TANK0476	VOC Storage Tank No. 0476	VOC	3.12	-
22TANK0479	VOC Storage Tank No. 0479	VOC	2.78	-
22TANK0502	VOC Storage Tank No. 0502	VOC	0.43	-
22TANK0503	Water Draw Collection Tank No. 0503	VOC	0.42	-
22TANK0506	VOC Storage Tank No. 0506	VOC	0.56	-
22TANK0525	VOC Storage Tank No. 0525	VOC	3.37	-
22TANK0530	VOC Storage Tank No. 0530	VOC	0.81	-
22TANK0532	VOC Storage Tank No. 0532	VOC	1.62	-
22TANK0540	Water Draw Collection Tank No. 0540	VOC	0.09	-
22TANK0541	VOC Storage Tank No. 0541	VOC	2.98	-
22TANK0562	VOC Storage Tank No. 0562	VOC	1.14	-
22TANK0563	VOC Storage Tank No. 0563	VOC	1.52	-
22TANK0574	VOC Storage Tank No. 0574	VOC	1.09	-
22TANK0800	VOC Storage Tank No. 0800	VOC	3.18	-
22TANK0801	VOC Storage Tank No. 0801	VOC	3.18	-
22TANK0802	VOC Storage Tank No. 0802	VOC	2.32	-



Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
22TANK0805	VOC Storage Tank No. 0805	VOC	1.02	-
22TANK0906	VOC Storage Tank No. 0906	VOC	0.52	-
22TANK0907	VOC Storage Tank No. 0907	VOC	0.50	-
22TANK0909	VOC Storage Tank No. 0909	VOC	0.68	-
22TANK0910	VOC Storage Tank No. 0910	VOC	3.09	-
22TANK0938	VOC Storage Tank No. 0938	VOC	1.19	-
22TANK0939	VOC Storage Tank No. 0939	VOC	1.43	-
37TANK1002	VOC Storage Tank No. 1002	VOC	0.20	-
		H <sub>2</sub> S	0.07	-
		NH <sub>3</sub>	0.04	-
		HCN	0.04	-
38TANK1000	VOC Storage Tank No. 1000	VOC	0.21	-
		H <sub>2</sub> S	0.01	-
		NH <sub>3</sub>	0.01	-
		HCN	0.01	-
38TANK1001	VOC Storage Tank No. 1001	VOC	0.32	-
		H <sub>2</sub> S	0.21	-
		NH <sub>3</sub>	0.11	-
		HCN	0.11	-
45TANK0474	Dock Wastewater Tank No. 0474	VOC	0.81	-
67TANK500A	Storm Water Storage Tank No. 500A	VOC	2.89	-
67TANK500B	Storm Water Storage Tank No. 500B	VOC	2.89	-
67TANK500C	Storm Water Storage Tank No. 500C	VOC	2.88	-
67TANK0504	Recovered Oil Tank No. 0504	VOC	0.49	-
22TANK0960	VOC Storage Tank No. 960	VOC	1.76	-

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
67TANK0505	NESHAP Wastewater Tank No. 0505	VOC	0.46	-
EFRTCAP	External Floating Roof (9) Tank Annual Cap	VOC	-	96.91
		H <sub>2</sub> S	-	0.66
		NH <sub>3</sub>	-	0.29
		HCN	-	0.16
<b>Internal Floating Roof Tanks</b>				
04TANK0941	VOC Storage Tank No. 0941	VOC	0.10	-
04TANK0946	VOC Storage Tank No. 0946	VOC	0.39	-
22TANK0517	VOC Storage Tank No. 0517	VOC	0.49	-
22TANK0526	VOC Storage Tank No. 0526	VOC	0.82	-
22TANK0531	VOC Storage Tank No. 0531	VOC	1.23	-
22TANK0572	VOC Storage Tank No. 0572	VOC	0.37	-
22TANK0588	VOC Storage Tank No. 0588	VOC	0.52	-
22TANK0591	VOC Storage Tank No. 0591	VOC	1.09	-
22TANK0597	VOC Storage Tank No. 0597	VOC	0.24	-
22TANK0598	VOC Storage Tank No. 0598	VOC	0.24	-
22TANK0599	VOC Storage Tank No. 0599	VOC	0.17	-
22TANK0650	VOC Storage Tank No. 0650	VOC	0.33	-
22TANK0651	VOC Storage Tank No. 0651	VOC	0.33	-
22TANK0807	VOC Storage Tank No. 0807	VOC	2.17	-
22TANK0811	VOC Storage Tank No. 0811	VOC	0.61	-
22TANK0812	VOC Storage Tank No. 0812	VOC	0.38	-
22TANK0813	VOC Storage Tank No. 0813	VOC	0.38	-
22TANK0814	VOC Storage Tank No. 0814	VOC	0.50	-
22TANK0815	VOC Storage Tank No. 0815	VOC	0.65	-
22TANK0913	VOC Storage Tank No. 0913	VOC	0.41	-
22TANK0921	VOC Storage Tank No. 0921	VOC	2.41	-

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
22TANK0922	VOC Storage Tank No. 0922	VOC	2.41	-
22TANK0940	VOC Storage Tank No. 0940	VOC	0.72	-
67TANK0595	Recovered Oil Tank No. 0595	VOC	0.41	-
67TANK0596	Recovered Oil Tank No. 0596	VOC	0.38	-
67TANK0905	NESHAP Wastewater Tank No. 0905	VOC	0.38	-
67TANK0927	North Storm Water Tank	VOC	0.12	-
IFRTCAP	Internal Floating Roof (10) Tank Annual Cap	VOC	-	26.23
08TANK0668	Spent Sulfuric Acid Tank No. 668	VOC	0.17	0.07
08TANK0923	Spent Sulfuric Acid Tank No. 923	VOC	0.17	0.31
<b>Enclosed Benzene Flares</b>				
22BZNTKFLR	Storage Tank Nos. 808, 809, 810 Flare	NO <sub>x</sub>	0.30	1.22
		CO	0.86	3.71
		VOC	0.04	0.06
22TK926FLR	Storage Tank No. 926 Flare	NO <sub>x</sub>	0.38	1.66
		CO	0.69	2.74
		VOC	0.01	0.02
50BZTNKFLR	Storage Tank Nos. 928, 929, 930 Flare	NO <sub>x</sub>	1.19	5.22
		CO	1.67	7.32
		VOC	0.06	0.04
<b>Loading</b>				
14SRU1LOAD	SRU No. 1 Truck Loading Rack	H <sub>2</sub> S	0.01	0.01
18RAILLOAD	Rail Car Loading Rack	VOC	0.27	0.11
18TRKLOAD	Tank Truck Loading Rack	VOC	0.15	0.68

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
28LPGHOSE	LPG Loading Rack Hose	VOC	0.07	0.29
		H <sub>2</sub> S	0.01	0.01
30CKRTRKLD	Coke Handling	VOC	55.00	30.11
		SO <sub>2</sub>	0.02	0.01
		PM	1.76	0.96
		PM <sub>10</sub>	1.76	0.96
		PM <sub>2.5</sub>	1.76	0.96
		H <sub>2</sub> S	3.63	1.99
33SRU3LOAD	SRU No. 3 Truck Loading Rack	H <sub>2</sub> S	0.01	0.01
20GASSORB	Truck Loading Rack	VOC	0.24	0.22
45DOCK1LDG	Dock 1 Loading Losses	VOC	29.54	-
45DOCK2LDG	Dock 2 Loading Losses	VOC	29.54	-
45DOCK3LDG	Dock 3 Loading Losses	VOC	29.54	-
45DCKLDCAP	Dock Loading Annual (7) Cap	VOC	-	14.99
45DOCKTO1	Marine Terminal Vapor Combustor 1	NO <sub>x</sub>	10.10	-
		CO	15.44	-
		SO <sub>2</sub>	0.18	-
		VOC	5.82	-
45DOCKTO2	Marine Terminal Vapor Combustor 2	NO <sub>x</sub>	19.53	-
		CO	29.88	-
		SO <sub>2</sub>	0.18	-
		VOC	11.63	-
45DCKTOCAP	45DOCKTOCAP (6) 45DOCKTO1 45DOCKTO2	NO <sub>x</sub>	-	10.61
		CO	-	33.24
		SO <sub>2</sub>	-	0.32
		VOC	-	6.63

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
<b>Carbon Adsorption Systems</b>				
14FL106CC	Amine Unit Carbon Absorption System	VOC	0.01	0.02
14V103CC	ARU1 Amine Sump	VOC	0.02	0.04
20TRKRCKCC	Truck Rack Sump	VOC	0.14	0.04
25TK601CC	25TK-601 MDEA Tank	VOC	0.02	0.04
38V107	Skimmed Oil Vessel No. 38V-107	VOC	0.01	0.01
40CSOWSCC	Condensate Splitter Oily Water Sump Carbon Canisters	VOC	0.01	0.01
42TK301CC	ARU-2 Lean Amine Tank (TK-301)	VOC	0.02	0.04
		H <sub>2</sub> S	0.01	0.01
45V104CC	Dock 2 Spill Back Tank Carbon Canisters	VOC	0.01	0.01
45V1CC	Dock 1 Spillback Collection Sump	VOC	0.01	0.01
45V3ACC	Dock 3A Spillback Collection Sump	VOC	0.01	0.01
45V3BCC	Dock 3B Spillback Collection Sump	VOC	0.01	0.01
51DHT1ASCC	DHT No. 1 Amine Sump	VOC	0.01	0.01
52DHT2ASCC	DHT No. 2 Amine Sump	VOC	0.01	0.01
52DHT2OSCC	Lift Station East End of Unit 813	VOC	0.08	0.19
52FLORPWCC	Florida Unit Process Water Sump Carbon Canisters	VOC	0.01	0.04
54GHTCC	GHT Unit Sump	VOC	0.01	0.02
55JETTRCC	Jet Treater Sump Carbon Canisters	VOC	0.01	0.01
60CGNPWCC	Cogen Unit Process Water Sump Carbon Canisters	VOC	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
60CGNSWCC	Cogen Unit Storm Water Sump Carbon Canisters	VOC	0.02	0.05
67DCUOWSCC	DCU OWS Sump	VOC	0.04	0.05
67DCUSWSCC	DCU Stormwater Sump	VOC	0.11	0.46
67NBPCC	North Barrel Pump Sump Carbon Canisters	VOC	0.01	0.01
67NCPICC	North CPI Carbon Canisters	VOC	0.03	0.12
67NSWCC	North Storm Water Sump Carbon Canisters	VOC	0.10	0.14
67PHADJCC	pH Adjuster/Splitter Tank (TK-402) Carbon Canisters	VOC	0.01	0.01
67SBOWSCC	Sulfur Block OWS	VOC	0.02	0.05
67SBPCC	South Barrel Pump Sump Carbon Canisters	VOC	0.01	0.01
67SBSWCC	Sulfur Block Stormwater	VOC	1.05	4.60
67SCALCC	Contract ScalFuel Dewatering Carbon Canisters	VOC	0.01	0.01
67SKIMCC	Sour Water Skimmer	VOC	0.01	0.03
67SSWCC	South Storm Water Sump Carbon Canisters	VOC	0.05	0.14
67VDUOWSCC	VDU-2 Sump	VOC	0.02	0.09
67WSHSLBCC	Wash Slab Sump	VOC	0.01	0.01
75LABCC	Lab Sump Carbon Canisters	VOC	0.01	0.01
<b>Wastewater</b>				
08LSWALKY	Lift Station West End of Alky	VOC	0.16	0.42
20LSTRKRCK	Truck Rack Drain Sump and Lift Station	VOC	0.09	0.06
45DOCK45V1	Dock Spill Back Collection Sump	VOC	0.08	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
45DOCK45V2	Dock Spill Back Collection Sump	VOC	0.08	0.01
45DOCK45V3	Dock Spill Back Collection Sump	VOC	0.08	0.01
52LS811SMP	811 Sump East of East End Complex	VOC	0.22	0.66
67AERTKA	Aeration Tank (TK-403A)	VOC	13.11	-
67AERTKB	Aeration Tank (TK-403B)	VOC	13.11	-
67AERTKC	Aeration Tank (TK-403C)	VOC	13.11	-
67AERTKD	Aeration Tank (TK-403D)	VOC	13.11	-
67AERTKCAP	Aeration Tanks Cap (11) (TK-403A thru D)	VOC	-	88.05
67BSMNT	Bar Screen Maintenance	VOC	0.07	0.01
67CLAR405A	Clarifier	VOC	0.12	0.24
67CLAR405B	Clarifier	VOC	0.12	0.24
67CLAR405C	Clarifier	VOC	0.12	0.24
67CLAREFTK	Clarifier Effluent Tank	VOC	0.41	0.99
67CLARFLTK	Clarifier Float/Scum Tank	VOC	0.01	0.01
67EQTK401A	Wastewater Equalization Tank No. 401A	VOC	0.01	0.01
67EQTK401B	Wastewater Equalization Tank No. 401B	VOC	0.01	0.01
67EQTK401C	Wastewater Equalization Tank No. 401C	VOC	0.01	0.01
67FLSPTK	Flocculator/Splitter Tank (TK-404)	VOC	0.01	0.01
67LS61P20	Old DI Unit Lift Station	VOC	0.10	0.30
67LSBIOTRT	Biological Unit Process Area Sump	VOC	0.05	0.14
67LSEDAF	Lift Station East of DAF	VOC	0.15	0.14
67LSN560	Lift Station North of TK-560	VOC	0.15	0.02

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
67LSN595	Lift Station North of TK-595	VOC	0.08	0.01
67LSN905	Lift Station North of TK-905	VOC	0.15	0.13
67LSNE660	Lift Station Northeast of TK-660	VOC	0.14	0.11
67LSS602	Lift Station South of TK-602	VOC	0.08	0.02
67LSWSHOUT	Washout Slab Lift Station	VOC	0.22	0.82
67NCPIMNT	North Corrugated Plate Interceptor (CPI) Maintenance	VOC	0.01	0.01
67SCALBIO	Contract Biosludge Dewatering	VOC	0.01	0.01
67SCPIMNT	South Corrugated Plate Interceptor (CPI) Maintenance	VOC	0.01	0.01
<b>Fugitives</b>				
LAERCNQFUG	LAER CNQ LDAR Program Fugitives (5)	VOC	13.82	59.84
		H <sub>2</sub> S	0.77	3.34
		NH <sub>3</sub>	0.13	0.43
LAERCNAFUG	LAER CNA LDAR Program Fugitives (5)	VOC	18.72	82.00
		H <sub>2</sub> S	0.07	0.28
		PM	0.41	1.80
		PM <sub>10</sub>	0.41	1.80
		PM <sub>2.5</sub>	0.41	1.80
28MIDFUG	28MID LDAR Program Fugitives (5)	VOC	0.08	0.35
		H <sub>2</sub> S	0.12	0.54
28VHPFUG	28VHP LDAR Program Fugitives (5)	VOC	108.90	476.48
		H <sub>2</sub> S	0.91	3.52
		NH <sub>3</sub>	0.07	0.11



Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
<b>Maintenance, Startup and Shutdown</b>				
MSS_ATM	MSS Atmospheric Bubble	NO <sub>x</sub>	0.19	0.03
		CO	0.19	0.03
		SO <sub>2</sub>	0.19	0.03
		VOC	724.17	24.75
		PM	0.25	0.01
		PM <sub>10</sub>	0.25	0.01
		PM <sub>2.5</sub>	0.25	0.01
		H <sub>2</sub> S	5.18	0.08
		S <sub>2</sub>	1.26	0.17
MSS_INCIN	SRU Incinerator Emissions during SRU MSS	NO <sub>x</sub>	4.78	6.56
		CO	92.19	51.95
		SO <sub>2</sub>	519.44	50.64
		VOC	2.13	2.92
		PM	1.15	1.58
		PM <sub>10</sub>	1.15	1.58
		PM <sub>2.5</sub>	1.15	1.58
		H <sub>2</sub> S	1.13	1.55
MSS_FLR	MSS T/A Flaring (12)	NO <sub>x</sub>	178.70	11.17
		CO	1,044.00	59.23
		SO <sub>2</sub>	14,941.00	116.00
		VOC	1,293.00	64.53
		H <sub>2</sub> S	161.90	1.53

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
MSS_TANK	Tank MSS	NO <sub>x</sub>	3.83	1.66
		CO	5.07	9.19
		SO <sub>2</sub>	0.37	0.34
		VOC	815.08	43.57
		PM	0.60	0.04
		PM <sub>10</sub>	0.60	0.04
		PM <sub>2.5</sub>	0.60	0.04
MSS_TKFLR	Benzene Tank Emissions During Flare MSS	VOC	3.50	0.41
<b>Permit by rule (PBR) sources incorporated by reference. Sources remain authorized by the PBR(s) as listed below:</b>				
<b>Registration No. 35330</b>				
22TANK0484	Tank 484	VOC	565.21	1.24
<b>Registration No. 55631</b>				
10GRUHTRB1	GRU Heater B-1	NO <sub>x</sub>	3.90	13.14
		CO	4.50	15.14
		SO <sub>2</sub>	1.15	1.57
		VOC	0.22	0.71
		PM	0.30	0.98
		PM <sub>10</sub>	0.30	0.98
<b>SE 11273</b>				
16ISOMHTR	ISOM Heater	NO <sub>x</sub>	8.40	36.82
		CO	3.27	14.31
		SO <sub>2</sub>	2.50	10.99
		VOC	0.26	1.14
		PM	0.47	2.05
		PM <sub>10</sub>	0.47	2.05

(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.

Emission Sources - Maximum Allowable Emission Rates

- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - NO<sub>x</sub> - total oxides of nitrogen
  - 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>
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - CO - carbon monoxide
  - H<sub>2</sub>S - hydrogen sulfide
  - NH<sub>3</sub> - ammonia
  - HCl - hydrogen chloride
  - HCN - hydrogen cyanide
  - Cl<sub>2</sub> - chlorine
  - S<sub>2</sub> - disulfide
  - MSS - maintenance, startup, and shutdown
- (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) Annual emission rates shown with 45DCKTOCAP are the summed emission caps for 45DOCKTO1 and 45DOCKTO2.
- (7) Annual emission rates shown with 45DCKLDCAP are the summed emission cap for 45DOCK1DLOG, 45DOCK2LDG and 45DOCK3LDG.
- (8) Annual VOC emission rate shown with FXRTCAP are the summed emission cap for all fixed roof tanks.
- (9) Annual VOC emission rate shown with EFRTCAP are the summed emission cap for all external floating roof tanks.
- (10) Annual VOC emission rate shown with IFRTCAP are the summed emission cap for all internal floating roof tanks.
- (11) Annual VOC emission rate shown with 67AERTKCAP are the summed emission cap for all Aeration Tanks (TK-403A, B, C & D).
- (12) The EPN MSS\_FLR incorporates turnaround emissions from North Flare, Middle Flare, South Flare East Flare, and temporary flare systems.
- (13) Planned maintenance emissions for all pollutants are authorized even if not specifically identified as MSS. Annual emission rates includes normal operations and MSS.

Date: July 24, 2024