

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Valero Refining-Texas, L.P.

AUTHORIZING THE OPERATION OF
Texas City Refinery
Petroleum Refining

LOCATED AT
Galveston County, Texas
Latitude 29° 22' 10" Longitude 94° 54' 40"
Regulated Entity Number: RN100238385

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: 01253 Issuance Date: December 8, 2014

For the Commission

Table of Contents

| Section | Page |
|------------------------------------------------------------------------------------------------------|-------------|
| General Terms and Conditions | 1 |
| Special Terms and Conditions | 1 |
| Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting | 1 |
| Additional Monitoring Requirements | 15 |
| New Source Review Authorization Requirements | 16 |
| Compliance Requirements..... | 17 |
| Risk Management Plan | 19 |
| Protection of Stratospheric Ozone | 19 |
| Permit Location..... | 20 |
| Permit Shield (30 TAC § 122.148) | 20 |
| Attachments | 21 |
| Applicable Requirements Summary | 22 |
| Additional Monitoring Requirements | 669 |
| Permit Shield..... | 758 |
| New Source Review Authorization References..... | 787 |
| Appendix A | 805 |
| Acronym List | 806 |
| Appendix B | 807 |

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, 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, 113.300, 113.340, 113.780, 113.1090, or 113.1130, respectively, which incorporates the 40 CFR Part 63 Subpart by reference.
- F. For the purpose of generating emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 1 (Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
 - (i) Title 30 TAC § 101.302 (relating to General Provisions)
 - (ii) Title 30 TAC § 101.303 (relating to Emission Reduction Credit Generation Certification)
 - (iii) Title 30 TAC § 101.304 (relating to Mobile Emission Reduction Credit Generation and Certification)
 - (iv) Title 30 TAC § 101.309 (relating to Emission Credit Banking and Trading)
 - (v) The terms and conditions by which the emission limits are established to generate the reduction credit are applicable requirements of this permit
- G. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 3 (Mass Emission Cap and Trade Program) Requirements:
 - (i) Title 30 TAC § 101.352 (relating to General Provisions)
 - (ii) Title 30 TAC § 101.353 (relating to Allocation of Allowances)
 - (iii) Title 30 TAC § 101.354 (relating to Allowance Deductions)
 - (iv) Title 30 TAC § 101.356 (relating to Allowance Banking and Trading)

- (v) Title 30 TAC § 101.358 (relating to Emission Monitoring and Compliance Demonstration)
 - (vi) Title 30 TAC § 101.359 (relating to Reporting)
 - (vii) Title 30 TAC § 101.360 (relating to Level of Activity Certification)
 - (viii) The terms and conditions by which the emission limits are established to meet or exceed the cap are applicable requirements of this permit
- H. 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
- I. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 6 (Highly Reactive Volatile Organic Compound Emissions Cap and Trade Program) requirements:
- (i) Title 30 TAC § 101.392 (relating to Exemptions)
 - (ii) Title 30 TAC § 101.401 (relating to Level of Activity Certification)
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. 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_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
 - (1) An observation of visible emissions from a 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

- B. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:
- (i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)
 - (ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)
 - (iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
 - (1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.
 - (2) Records of all observations shall be maintained.
 - (3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
 - (4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)
 - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.
- C. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- D. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).
- E. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
 - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
 - (ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)
 - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

- F. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:
 - (i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)
 - (ii) Title 30 TAC § 111.221 (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(e)(1).

- 5. For industrial wastewater specified in 30 TAC Chapter 115, Subchapter B, the permit holder shall comply with the following requirements for wastewater drains, junction boxes, lift stations and weirs:
 - A. Title 30 TAC § 115.142 (relating to Control Requirements)
 - B. Title 30 TAC § 115.142(1)(A) - (D) (relating to Control Requirements)
 - C. Title 30 TAC § 115.142(1)(E) and (F) (relating to Control Requirements)
 - D. Title 30 TAC § 115.145 (relating to Approved Test Methods)
 - E. Title 30 TAC § 115.146 (relating to Recordkeeping Requirements)
 - F. Title 30 TAC § 115.147(2) (relating to Exemptions), for streams with an annual VOC loading of 10 megagrams (11.03 tons) or less
 - G. Title 30 TAC § 115.147(7), (7)(A) and (B) (relating to Exemptions)
 - H. Title 30 TAC § 115.148 (relating to Determination of Wastewater Characteristics)

- 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 requirements of 30 TAC Chapter 115, Subchapter F, Division 3, Degassing of Storage Tanks, Transport Vessels and Marine Vessels:
 - A. For degassing of stationary VOC storage tanks, the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 115.541(a) - (c) (relating to Emission Specifications)
- (ii) Title 30 TAC § 115.541(f) (relating to Emission Specifications), for floating roof storage tanks
- (iii) Title 30 TAC § 115.542(a) and (a)(1), (a)(2), (a)(3) or (a)(4) (relating to Control Requirements). Where the requirements of 30 TAC Chapter 115, Subchapter F contain multiple compliance options, the permit holder shall keep records of when each compliance option was used.
- (iv) Title 30 TAC § 115.542(b) - (d), (relating to Control Requirements)
- (v) Title 30 TAC § 115.543 (relating to Alternate Control Requirements)
- (vi) Title 30 TAC § 115.544(a)(1) and (a)(2) (relating to Inspection, Monitoring, and Testing Requirements), for inspections
- (vii) Title 30 TAC § 115.544(b) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring
- (viii) Title 30 TAC § 115.544(b)(1) and (b)(2) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring of control devices
- (ix) Title 30 TAC § 115.544(b)(2)(A) - (J) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring (as appropriate to the control device)
- (x) Title 30 TAC § 115.544(b)(3), (b)(4) and (b)(6) (relating to Inspection, Monitoring, and Testing Requirements), for VOC concentration or lower explosive limit threshold monitoring
- (xi) Title 30 TAC § 115.544(c), and (c)(1) - (c)(3) (relating to Inspection, Monitoring, and Testing Requirements), for testing of control devices used to comply with 30 TAC § 115.542(a)(1)
- (xii) Title 30 TAC § 115.545(1) - (7), (9) - (11) and (13) (relating to Approved Test Methods)
- (xiii) Title 30 TAC § 115.546(a), (a)(1) and (a)(3) (relating to Recordkeeping and Notification Requirements), for recordkeeping
- (xiv) Title 30 TAC § 115.546(a)(2) and (a)(2)(A) - (J) (relating to Recordkeeping and Notification Requirements), for recordkeeping (as appropriate to the control device)

- (xv) Title 30 TAC § 115.546(a)(4) (relating to Recordkeeping and Notification Requirements), for recordkeeping of testing of control devices used to comply with 30 TAC § 115.542(a)(1)
 - (xvi) Title 30 TAC § 115.546(b) (relating to Recordkeeping and Notification Requirements), for notification
 - (xvii) Title 30 TAC § 115.547(4) (relating to Exemptions)
8. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
- A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
 - B. Title 40 CFR § 60.8 (relating to Performance Tests)
 - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
 - D. Title 40 CFR § 60.12 (relating to Circumvention)
 - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
 - F. Title 40 CFR § 60.14 (relating to Modification)
 - G. Title 40 CFR § 60.15 (relating to Reconstruction)
 - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
9. 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 § 60.698(a), and (b)(1) (relating to Reporting Requirements), as applicable to Individual Drain Systems
 - L. Title 40 CFR § 60.698(c) (relating to Reporting Requirements), for water seal breaches in Drain Systems
 - M. Title 40 CFR § 60.698(e) (relating to Reporting Requirements), as applicable to Individual Drain Systems
10. 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)
11. 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.

12. For the operations pertaining to the loading and unloading of marine tank vessels specified in 40 CFR Part 63, Subpart Y, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.300 incorporated by reference):
 - A. Title 40 CFR § 63.560(c) (relating to Designation of Affected Source), for applicability of the General Provisions of Subpart A
 - B. Title 40 CFR § 63.563(a)(4) (relating to Compliance and Performance Testing), for vapor tightness requirements of the marine vessels
 - C. Title 40 CFR § 63.564(a)(1) and (d) (relating to Monitoring Requirements)
 - D. Title 40 CFR § 63.565(a) (relating to Test Methods and Procedures), for performance testing requirements
 - E. Title 40 CFR § 63.565(c) (relating to Test Methods and Procedures), for vapor tightness requirements of the marine vessels
 - F. Title 40 CFR § 63.566 (relating to Construction and Reconstruction)
 - G. Title 40 CFR § 63.567(a) - (b) and (h) - (i) (relating to Reporting and Recordkeeping Requirements)
13. 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(l)(3) - (4) (relating to Applicability and Designation of Affected Source), for units and equipment added to an existing source
 - B. Title 40 CFR § 63.640(m)(1) - (2) (relating to Applicability and Designation of Affected Source), for units and emission points changing from Group 2 to Group 1 status
 - C. Title 40 CFR § 63.642(c) (relating to General Standards), for applicability of the General Provisions of Subpart A
 - D. Title 40 CFR § 63.642(e) (relating to General Standards), for recordkeeping
 - E. Title 40 CFR § 63.642(f) (relating to General Standards), for reporting
14. For the Off-Site Waste and Recovery Operations specified in 40 CFR Part 63, Subpart DD, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.350 incorporated by reference):
 - A. Requirements specified with reference to 40 CFR Part 63, Subpart A:

- (i) Title 40 CFR § 63.680(f) for applicability of the General Provisions of Subpart A
 - (ii) Title 40 CFR § 63.696(a) (relating to Recordkeeping Requirements)
 - (iii) Title 40 CFR § 63.697(a) (relating to Reporting Requirements)
15. For the Off-Site Waste and Recovery Operations specified in 40 CFR Part 63, Subpart DD, at sites where the total annual quantity of HAP in the off-site material received is less than 1 megagram per year, the permit holder shall comply with the requirements of 40 CFR § 63.680(d)(1) - (3) (Title 30 TAC Chapter 113, Subchapter C, § 113.350 incorporated by reference).
16. For containers using controls specified in 40 CFR Part 63, Subpart PP, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.470 incorporated by reference):
- A. Title 40 CFR § 63.922(b)(1) - (3), (c), (d), (d)(1) - (5), (e), and (f), (f)(1) - (4) (relating to Standards - Container Level 1 Controls)
 - B. Title 40 CFR § 63.923(b)(1) - (3), (c), (d), (d)(1) - (5), (e), and (f), (f)(1) - (4) (relating to Standards - Container Level 2 Controls)
 - C. Title 40 CFR § 63.925(a)(1) - (8), and (b)(1) - (3) (relating to Test Methods and Procedures)
 - D. Title 40 CFR § 63.926(a)(1) - (3) (relating to Inspection and Monitoring Requirements)
17. 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).
18. For the transfer of site remediation materials subject to 40 CFR Part 63, Subpart GGGGG off-site to another facility, the permit holder shall comply with the following requirements (Title 30 TAC, Subchapter C, § 113.1160 incorporated by reference):
- A. Title 40 CFR § 63.7936(a), for the transfer of site remediation materials
 - B. Title 40 CFR § 63.7936(b)(1), for transfer to a landfill or land disposal unit
 - C. Title 40 CFR § 63.7936(b)(2), for transfer to a facility subject to 40 CFR Part 63, Subpart DD
 - D. Title 40 CFR § 63.7936(b)(3), (b)(3)(i) - (iv), for transfer to a facility managing the site remediation material according to the requirements of 40 CFR Part 63, Subpart GGGGG

19. For containers managing remediation materials subject to 40 CFR Part 63, Subpart GGGGG, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.1160 incorporated by reference):
- A. Title 40 CFR § 63.922(b)(1) - (3), (c), (d), (d)(1) - (5), (e), and (f), (f)(1) - (4) (relating to Standards - Container Level 1 Controls)
 - B. Title 40 CFR § 63.923(b)(1) - (3), (c), (d), (d)(1) - (5), (e), and (f), (f)(1) - (4) (relating to Standards - Container Level 2 Controls)
 - C. Title 40 CFR § 63.925(a)(1) - (8), and (b)(1) - (3) (relating to Test Methods and Procedures)
 - D. Title 40 CFR § 63.926(a)(1) - (3) (relating to Inspection and Monitoring Requirements)
 - E. Title 40 CFR § 63.7901(b) and (b)(1), for initial demonstration of compliance
 - F. Title 40 CFR § 63.7901(b)(2), for initial demonstration of compliance
 - G. Title 40 CFR § 63.7901(c), (c)(1), and (c)(2), for initial demonstration of compliance
 - H. Title 40 CFR § 63.7901(d), and (d)(1) - (4), for initial demonstration of compliance
 - I. Title 40 CFR § 63.7903(b) and (b)(1), for continuous demonstration of compliance
 - J. Title 40 CFR § 63.7903(b)(2), (b)(2)(i), (b)(2)(ii), for continuous demonstration of compliance
 - K. Title 40 CFR § 63.7903(c)(4), (c)(4)(i), and (c)(4)(ii), for continuous demonstration of compliance
 - L. Title 40 CFR § 63.7903(d)(5), (d)(5)(i), and (d)(5)(ii), for continuous demonstration of compliance
 - M. Title 40 CFR § 63.7952(c), for recordkeeping
20. 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

21. Unless otherwise specified, the permit holder shall comply with the compliance assurance monitoring requirements as specified in the attached “CAM Summary” upon issuance of the permit. In addition, the permit holder shall comply with the following:
 - A. The permit holder shall comply with the terms and conditions contained in 30 TAC § 122.147 (General Terms and Conditions for Compliance Assurance Monitoring).
 - B. The permit holder shall report, consistent with the averaging time identified in the “CAM Summary,” deviations as defined by the deviation limit in the “CAM Summary.” Any monitoring data below a minimum limit or above a maximum limit, that is collected in accordance with the requirements specified in 40 CFR § 64.7(c), shall be reported as a deviation. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).
 - C. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “CAM Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c).
 - D. The permit holder shall operate the monitoring, identified in the attached “CAM Summary,” in accordance with the provisions of 40 CFR § 64.7.
 - E. The permit holder shall comply with either of the following requirements for any 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 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.
- 22. The permit holder shall comply with the periodic monitoring requirements as specified in the attached “Periodic Monitoring Summary” upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “Periodic Monitoring Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

- 23. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
 - A. Are incorporated by reference into this permit as applicable requirements
 - B. Shall be located with this operating permit
 - C. Are not eligible for a permit shield
- 24. 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.
- 25. 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).

26. 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. Applicable requirements of 30 TAC § 116.617 for Pollution Control Projects based on the information contained in the registration application.
 - D. Boiler Standard Permit

Compliance Requirements

27. 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.
28. 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 Houston-Galveston-Brazoria Nonattainment area, 30 TAC § 117.9020:
 - (1) Title 30 TAC § 117.9020(2)(A), (C), and (D)
 - B. The permit holder shall comply with the Initial Control Plan unit listing requirement in 30 TAC § 117.350(c) and (c)(1).

- C. The permit holder shall comply with the requirements of 30 TAC § 117.354 for Final Control Plan Procedures for Attainment Demonstration Emission Specifications and 30 TAC § 117.356 for Revision of Final Control Plan.
29. Use of Emission Credits to comply with applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:
 - (i) Title 30 TAC Chapter 115
 - (ii) Title 30 TAC Chapter 117
 - (iii) Offsets for Title 30 TAC Chapter 116
 - B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:
 - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)(2)
 - (ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1
 - (iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)(2)
 - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122
 - (v) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)
30. 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

31. 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

32. 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.

Permit Location

33. 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)

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

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Unit Summary 23

Applicable Requirements Summary 87

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

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|----------------------------------------------|-------------------------|
| 16-1101 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| 16-1151 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| 16-1171 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| 16-1203 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| 16-1223 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| A-122 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| A-158 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| A-49 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| A-58 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| B-18 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 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 |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| B-18 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| B-18 | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| B-18 | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | 60DB-1 | 40 CFR Part 60, Subpart Db | No changing attributes. |
| B-18 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| B-26 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| B-26 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| B-26 | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| B-26 | BOILERS/STEAM GENERATORS/STEAM | N/A | 60DB-1 | 40 CFR Part 60, Subpart Db | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| | GENERATING UNITS | | | | |
| B-26 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| B-27 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| B-27 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| B-27 | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| B-27 | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | 60DB-1 | 40 CFR Part 60, Subpart Db | No changing attributes. |
| B-27 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| B-32 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 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 |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| B-32 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| B-32 | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| B-32 | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | 60DB-1 | 40 CFR Part 60, Subpart Db | No changing attributes. |
| B-32 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60JA-1 | 40 CFR Part 60, Subpart Ja | No changing attributes. |
| B-33 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| B-33 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| B-33 | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| B-33 | BOILERS/STEAM GENERATORS/STEAM | N/A | 60DB-1 | 40 CFR Part 60, Subpart Db | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| | GENERATING UNITS | | | | |
| B-33 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60JA-1 | 40 CFR Part 60, Subpart Ja | No changing attributes. |
| B-34 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| B-34 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| B-34 | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| B-34 | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | 60DB-1 | 40 CFR Part 60, Subpart Db | No changing attributes. |
| B-34 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60JA-1 | 40 CFR Part 60, Subpart Ja | No changing attributes. |
| B-34 | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | 63DDDDD-1 | 40 CFR Part 63, Subpart DDDDD | No changing attributes. |
| C-137 | FUGITIVE EMISSION | N/A | 60GGG-1 | 40 CFR Part 60, Subpart | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|------------------------------------------|--------------------------|---------------|----------------------------------------------|-------------------------|
| | UNITS | | | GGG | |
| C-141 | FUGITIVE EMISSION UNITS | N/A | 60GGG-1 | 40 CFR Part 60, Subpart GGG | No changing attributes. |
| C-142 | FUGITIVE EMISSION UNITS | N/A | 60GGG-1 | 40 CFR Part 60, Subpart GGG | No changing attributes. |
| CANISTERS | CLOSED VENT SYSTEM AND CONTROL DEVICE | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| CANISTERS | CLOSED VENT SYSTEM AND CONTROL DEVICE | N/A | 61FF-1 | 40 CFR Part 61, Subpart FF | No changing attributes. |
| CT-1 | INDUSTRIAL PROCESS COOLING TOWERS | N/A | R5760-1 | 30 TAC Chapter 115, HRVOC Cooling Towers | No changing attributes. |
| CT-1 | INDUSTRIAL PROCESS COOLING TOWERS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| CT-10 | INDUSTRIAL PROCESS COOLING TOWERS | N/A | R5760-1 | 30 TAC Chapter 115, HRVOC Cooling Towers | No changing attributes. |
| CT-10 | INDUSTRIAL PROCESS COOLING TOWERS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| CT-3 | INDUSTRIAL PROCESS COOLING TOWERS | N/A | R5760-1 | 30 TAC Chapter 115, HRVOC Cooling Towers | No changing attributes. |
| CT-3 | INDUSTRIAL PROCESS COOLING TOWERS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| CT-4 | INDUSTRIAL PROCESS COOLING TOWERS | N/A | R5760-1 | 30 TAC Chapter 115, HRVOC Cooling Towers | No changing attributes. |
| CT-4 | INDUSTRIAL PROCESS | N/A | 63CC-1 | 40 CFR Part 63, Subpart | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|------------------------------------------------|--------------------------|---------------|-------------------------------------------------------|-------------------------|
| | COOLING TOWERS | | | CC | |
| CT-5 | INDUSTRIAL PROCESS COOLING TOWERS | N/A | R5760-1 | 30 TAC Chapter 115, HRVOC Cooling Towers | No changing attributes. |
| CT-5 | INDUSTRIAL PROCESS COOLING TOWERS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| CT-6 | INDUSTRIAL PROCESS COOLING TOWERS | N/A | R5760-1 | 30 TAC Chapter 115, HRVOC Cooling Towers | No changing attributes. |
| CT-8 | INDUSTRIAL PROCESS COOLING TOWERS | N/A | R5760-1 | 30 TAC Chapter 115, HRVOC Cooling Towers | No changing attributes. |
| CT-9 | INDUSTRIAL PROCESS COOLING TOWERS | N/A | R5760-1 | 30 TAC Chapter 115, HRVOC Cooling Towers | No changing attributes. |
| CT-9 | INDUSTRIAL PROCESS COOLING TOWERS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| CUBFUG | FUGITIVE EMISSION UNITS | N/A | R5780-3 - 9 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| CUBFUG | FUGITIVE EMISSION UNITS | N/A | R5352-6 - 14 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| CUBFUG | FUGITIVE EMISSION UNITS | N/A | 60GGG-3 - 9 | 40 CFR Part 60, Subpart GGG | No changing attributes. |
| CUBFUG | FUGITIVE EMISSION UNITS | N/A | 63CC-3 - 10 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| CUBSCRUB | EMISSION POINTS/STATIONARY VENTS/PROCESS | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| | VENTS | | | | |
| CUBSCRUB | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| D-1026 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| D-1026 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| D-1120 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| D-1120 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| D-1176 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| D-1176 | EMISSION POINTS/STATIONARY | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| | VENTS/PROCESS VENTS | | | | |
| D-1176 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| D-1180 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| D-1180 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| D-1180 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| D-1181 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| D-1181 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| D-1181 | EMISSION | N/A | 63CC-1 | 40 CFR Part 63, Subpart | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| | POINTS/STATIONARY VENTS/PROCESS VENTS | | | CC | |
| D-1184 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| D-1184 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| D-1184 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| D-1185 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| D-1185 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| D-1185 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| D-1188 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| D-1188 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| D-1188 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| D-1193 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| D-1193 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| D-1193 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| D-13-1280 | VOLATILE ORGANIC COMPOUND WATER SEPARATORS | N/A | R5131-1 | 30 TAC Chapter 115, Water Separation | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|--------------------------------------------------|--------------------------|---------------|----------------------------------------------|-------------------------|
| D-13-1281 | VOLATILE ORGANIC COMPOUND WATER SEPARATORS | N/A | R5131-1 | 30 TAC Chapter 115, Water Separation | No changing attributes. |
| D-15-1208 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| D-292 | VOLATILE ORGANIC COMPOUND WATER SEPARATORS | N/A | R5131-1 | 30 TAC Chapter 115, Water Separation | No changing attributes. |
| D-30 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| D-486 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| D-51 | VOLATILE ORGANIC COMPOUND WATER SEPARATORS | N/A | R5131-1 | 30 TAC Chapter 115, Water Separation | No changing attributes. |
| D-606 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| D-624 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| D-667 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| D-768 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| D-809 | VOLATILE ORGANIC COMPOUND WATER | N/A | R5131-1 | 30 TAC Chapter 115, Water Separation | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|----------------------------------------------|-------------------------|
| | SEPARATORS | | | | |
| D-810 | VOLATILE ORGANIC COMPOUND WATER SEPARATORS | N/A | R5131-1 | 30 TAC Chapter 115, Water Separation | No changing attributes. |
| D-861 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| D-912 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| D-961 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| D-961 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| D-973 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| D-973 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| D-974 | EMISSION POINTS/STATIONARY VENTS/PROCESS | N/A | R1111-1 | 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 |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|----------------------------------------------|-------------------------|
| | VENTS | | | | |
| D-974 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| D-975 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| D-975 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| D-976 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| D-976 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| D-978 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| D-980 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| D-CHEM1 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| D-CHEM2 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| DE-24 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| DE-24 | SRIC ENGINES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| DE-24 | SRIC ENGINES | N/A | 63ZZZZ-1 | 40 CFR Part 63, Subpart ZZZZ | No changing attributes. |
| DE-27 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| DE-27 | SRIC ENGINES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| DE-31 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| DE-31 | SRIC ENGINES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| DE-31 | SRIC ENGINES | N/A | 63ZZZZ-1 | 40 CFR Part 63, Subpart ZZZZ | No changing attributes. |
| DE-7 | EMISSION POINTS/STATIONARY | N/A | R1111-1 | 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 |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| | VENTS/PROCESS VENTS | | | | |
| DE-7 | SRIC ENGINES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| DE-8 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| DE-8 | SRIC ENGINES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| DE-ADMIN | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| DE-ADMIN | SRIC ENGINES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| DE-ADMIN | SRIC ENGINES | N/A | 63ZZZZ-1 | 40 CFR Part 63, Subpart ZZZZ | No changing attributes. |
| DE-AIR1 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| DE-AIR1 | SRIC ENGINES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| DE-AIR1 | SRIC ENGINES | N/A | 60IIII-1 | 40 CFR Part 60, Subpart IIII | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| DE-AIR1 | SRIC ENGINES | N/A | 63ZZZZ-1 | 40 CFR Part 63, Subpart ZZZZ | No changing attributes. |
| DE-AIR2 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| DE-AIR2 | SRIC ENGINES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| DE-AIR2 | SRIC ENGINES | N/A | 60III-1 | 40 CFR Part 60, Subpart III | No changing attributes. |
| DE-AIR2 | SRIC ENGINES | N/A | 63ZZZZ-1 | 40 CFR Part 63, Subpart ZZZZ | No changing attributes. |
| DE-GUARD | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| DE-GUARD | SRIC ENGINES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| DE-GUARD | SRIC ENGINES | N/A | 63ZZZZ-1 | 40 CFR Part 63, Subpart ZZZZ | No changing attributes. |
| DE-SERVICE | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| DE-SERVICE | SRIC ENGINES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| DE-SERVICE | SRIC ENGINES | N/A | 60III-1 | 40 CFR Part 60, Subpart III | No changing attributes. |
| DE-SERVICE | SRIC ENGINES | N/A | 63ZZZZ-1 | 40 CFR Part 63, Subpart ZZZZ | No changing attributes. |
| DE-T-095 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| DE-T-095 | SRIC ENGINES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| DE-T-095 | SRIC ENGINES | N/A | 60III-1 | 40 CFR Part 60, Subpart III | No changing attributes. |
| DE-T-095 | SRIC ENGINES | N/A | 63ZZZZ-1 | 40 CFR Part 63, Subpart ZZZZ | No changing attributes. |
| DOCK-16 | LOADING/UNLOADING OPERATIONS | N/A | R5211-1 | 30 TAC Chapter 115, Loading and Unloading of VOC | True Vapor Pressure = True vapor pressure less than 0.5 psia., Transfer Type = Loading and unloading. |
| DOCK-16 | LOADING/UNLOADING OPERATIONS | N/A | R5211-2 | 30 TAC Chapter 115, Loading and Unloading of VOC | True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia., Transfer Type = Only unloading. |
| DOCK-16 | LOADING/UNLOADING OPERATIONS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| DOCK-20 | LOADING/UNLOADING OPERATIONS | N/A | R5211-1 | 30 TAC Chapter 115, Loading and Unloading of | True Vapor Pressure = True vapor pressure less than 0.5 psia. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------|--------------------------|---------------|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | VOC | |
| DOCK-20 | LOADING/UNLOADING OPERATIONS | N/A | R5211-2 | 30 TAC Chapter 115, Loading and Unloading of VOC | True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia., Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals., Chapter 115 Control Device Type = Vapor control system with a vapor combustor., Uncontrolled VOC Emissions = Uncontrolled VOC emissions are less than 100 tpy., VOC Flash Point = Flash point less than 150° F., Control Options = Vapor control system that maintains a control efficiency of at least 90%, Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor- tight connections that close automatically when disconnected., Marine Terminal Exemptions = The marine terminal is claiming one or more of the exemptions in 30 TAC § 115.217(a)(5)(B). |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------|--------------------------|---------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DOCK-20 | LOADING/UNLOADING OPERATIONS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| DOCK-20 | LOADING/UNLOADING OPERATIONS | N/A | 63Y-1 | 40 CFR Part 63, Subpart Y | No changing attributes. |
| DOCK-22 | LOADING/UNLOADING OPERATIONS | N/A | R5211-1 | 30 TAC Chapter 115, Loading and Unloading of VOC | True Vapor Pressure = True vapor pressure less than 0.5 psia. |
| DOCK-22 | LOADING/UNLOADING OPERATIONS | N/A | R5211-2 | 30 TAC Chapter 115, Loading and Unloading of VOC | True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia., Daily Throughput = Daily throughput not determined since 30 TAC § 115.217(a)(2)(B), (b)(3)(B), (a)(2)(A), and (b)(3)(A) exemptions do not apply to marine terminals or gasoline terminals., Chapter 115 Control Device Type = Vapor control system with a vapor combustor., Uncontrolled VOC Emissions = Uncontrolled VOC emissions are less than 100 tpy., VOC Flash Point = Flash point less than 150° F., Control Options = Vapor control system that maintains a control efficiency of at least 90%., Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor- tight connections that close |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|------------------------------|--------------------------|---------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | automatically when disconnected., Marine Terminal Exemptions = The marine terminal is claiming one or more of the exemptions in 30 TAC § 115.217(a)(5)(B). |
| DOCK-22 | LOADING/UNLOADING OPERATIONS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| DOCK-22 | LOADING/UNLOADING OPERATIONS | N/A | 63Y-1 | 40 CFR Part 63, Subpart Y | No changing attributes. |
| DOCK-40 | LOADING/UNLOADING OPERATIONS | N/A | R5211-2 | 30 TAC Chapter 115, Loading and Unloading of VOC | No changing attributes. |
| DOCK-41 | LOADING/UNLOADING OPERATIONS | N/A | R5211-2 | 30 TAC Chapter 115, Loading and Unloading of VOC | No changing attributes. |
| DOCK-56 | LOADING/UNLOADING OPERATIONS | N/A | R5211-1 | 30 TAC Chapter 115, Loading and Unloading of VOC | True Vapor Pressure = True vapor pressure less than 0.5 psia., Transfer Type = Loading and unloading. |
| DOCK-56 | LOADING/UNLOADING OPERATIONS | N/A | R5211-2 | 30 TAC Chapter 115, Loading and Unloading of VOC | True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia., Transfer Type = Only unloading. |
| DOCK-56 | LOADING/UNLOADING OPERATIONS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| DOCK-57 | LOADING/UNLOADING | N/A | R5211-1 | 30 TAC Chapter 115, | True Vapor Pressure = True |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|------------------------------|--------------------------|---------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| | OPERATIONS | | | Loading and Unloading of VOC | vapor pressure less than 0.5 psia., Transfer Type = Loading and unloading. |
| DOCK-57 | LOADING/UNLOADING OPERATIONS | N/A | R5211-2 | 30 TAC Chapter 115, Loading and Unloading of VOC | True Vapor Pressure = True vapor pressure greater than or equal to 0.5 psia., Transfer Type = Only unloading. |
| DOCK-57 | LOADING/UNLOADING OPERATIONS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| D-SERVICE | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| F-01 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-01 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 14 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-01 | FUGITIVE EMISSION UNITS | N/A | 63CC-2 - 12 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| F-02 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-02 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 15 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-02 | FUGITIVE EMISSION UNITS | N/A | 60GGG-2 - 12 | 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 |
|-------------------------------|----------------------------|--------------------------|---------------|-------------------------------------------------------|-------------------------|
| F-02 | FUGITIVE EMISSION UNITS | N/A | 63CC-2 - 12 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| F-07 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-07 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 15 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-07 | FUGITIVE EMISSION UNITS | N/A | 63CC-2 - 11 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| F-10 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-10 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 14 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-10 | FUGITIVE EMISSION UNITS | N/A | 63CC-2 - 11 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| F-11 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-11 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 14 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-11 | FUGITIVE EMISSION UNITS | N/A | 63CC-2 - 11 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| F-15 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|----------------------------|--------------------------|---------------|-------------------------------------------------------|-------------------------|
| | | | | Emissions | |
| F-15 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 15 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-15 | FUGITIVE EMISSION UNITS | N/A | 63CC-2 - 12 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| F-17 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-17 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 15 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-17 | FUGITIVE EMISSION UNITS | N/A | 63CC-1 - 11 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| F-27 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-27 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 15 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-27 | FUGITIVE EMISSION UNITS | N/A | 63CC-2 - 12 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| F-28 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-28 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 14 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-29 | FUGITIVE EMISSION | N/A | R5780-1 - 10 | 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 |
|-------------------------------|-------------------------|--------------------------|---------------|----------------------------------------------------|-------------------------|
| | UNITS | | | HRVOC Fugitive Emissions | |
| F-29 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 14 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-29 | FUGITIVE EMISSION UNITS | N/A | 63CC-2 - 12 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| F-31 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-31 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 14 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-31 | FUGITIVE EMISSION UNITS | N/A | 63CC-1 - 11 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| F-33 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-33 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 14 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-33 | FUGITIVE EMISSION UNITS | N/A | 63CC-2 - 11 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| F-35 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-35 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 14 | 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 |
|-------------------------------|----------------------------|--------------------------|---------------|-------------------------------------------------------|-------------------------|
| F-36 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-36 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 14 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-36 | FUGITIVE EMISSION UNITS | N/A | 60GGG-1 - 11 | 40 CFR Part 60, Subpart GGG | No changing attributes. |
| F-36 | FUGITIVE EMISSION UNITS | N/A | 63CC-1 - 11 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| F-40 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-40 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 15 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-40 | FUGITIVE EMISSION UNITS | N/A | 60GGG-1 - 11 | 40 CFR Part 60, Subpart GGG | No changing attributes. |
| F-40 | FUGITIVE EMISSION UNITS | N/A | 63CC-1 - 11 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| F-41 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-41 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 14 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-41 | FUGITIVE EMISSION UNITS | N/A | 63CC-2 - 12 | 40 CFR Part 63, Subpart CC | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|--------------------------------|--------------------------|---------------|-------------------------------------------------------|-------------------------|
| F-45 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-45 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 15 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-45 | FUGITIVE EMISSION UNITS | N/A | 63CC-2 - 12 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| F-47 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-47 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 14 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-48 | SOLVENT DEGREASING MACHINES | N/A | R5412-1 | 30 TAC Chapter 115, Degreasing Processes | No changing attributes. |
| F-52 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-52 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 14 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-52 | FUGITIVE EMISSION UNITS | N/A | 60GGG-1 - 12 | 40 CFR Part 60, Subpart GGG | No changing attributes. |
| F-52 | FUGITIVE EMISSION UNITS | N/A | 63CC-1 - 11 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| F-54 | EMISSION POINTS/STATIONARY | N/A | R1111-1 | 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 |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|-------------------------------------------------------|-------------------------|
| | VENTS/PROCESS VENTS | | | | |
| F-55 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| F-56 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| F-57 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-57 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 14 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-57 | FUGITIVE EMISSION UNITS | N/A | 60GGG-2 - 12 | 40 CFR Part 60, Subpart GGG | No changing attributes. |
| F-57 | FUGITIVE EMISSION UNITS | N/A | 63CC-2 - 12 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| F-61 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-61 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 14 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-61 | FUGITIVE EMISSION UNITS | N/A | 60GGG-1 - 12 | 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 |
|-------------------------------|---------------------------------|--------------------------|---------------|--------------------------------------------------------|-------------------------|
| F-61 | FUGITIVE EMISSION UNITS | N/A | 63CC-1 - 12 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| F-62 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-62 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 14 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-62 | FUGITIVE EMISSION UNITS | N/A | 60GGG-2 - 12 | 40 CFR Part 60, Subpart GGG | No changing attributes. |
| F-62 | FUGITIVE EMISSION UNITS | N/A | 63CC-2 - 12 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| F-63 | LOADING/UNLOADING OPERATIONS | N/A | R5211-1 | 30 TAC Chapter 115, Loading and Unloading of VOC | No changing attributes. |
| F-65 | SOLVENT DEGREASING MACHINES | N/A | R5412-1 | 30 TAC Chapter 115, Degreasing Processes | No changing attributes. |
| F-66 | SOLVENT DEGREASING MACHINES | N/A | R5412-1 | 30 TAC Chapter 115, Degreasing Processes | No changing attributes. |
| F-67 | FUGITIVE EMISSION UNITS | N/A | R5780-1 - 10 | 30 TAC Chapter 115, HRVOC Fugitive Emissions | No changing attributes. |
| F-67 | FUGITIVE EMISSION UNITS | N/A | R5352-1 - 15 | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | No changing attributes. |
| F-67 | FUGITIVE EMISSION UNITS | N/A | 60GGG-3 - 11 | 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 |
|-------------------------------|-------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| F-67 | FUGITIVE EMISSION UNITS | N/A | 63CC-2 - 11 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| FL-1 | FLARES | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| FL-1 | FLARES | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| FL-1 | FLARES | N/A | 60A-1 | 40 CFR Part 60, Subpart A | No changing attributes. |
| FL-1 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60JA-1 | 40 CFR Part 60, Subpart Ja | No changing attributes. |
| FL-1 | CLOSED VENT SYSTEM AND CONTROL DEVICE | N/A | 61FF-1 | 40 CFR Part 61, Subpart FF | No changing attributes. |
| FL-1 | FLARES | N/A | 63A-1 | 40 CFR Part 63, Subpart A | No changing attributes. |
| FL-2 | FLARES | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| FL-2 | FLARES | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| FL-2 | FLARES | N/A | 60A-1 | 40 CFR Part 60, Subpart A | No changing attributes. |
| FL-2 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS | N/A | 60JA-1 | 40 CFR Part 60, Subpart Ja | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|-------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| | SRU | | | | |
| FL-2 | CLOSED VENT SYSTEM AND CONTROL DEVICE | N/A | 61FF-1 | 40 CFR Part 61, Subpart FF | No changing attributes. |
| FL-2 | FLARES | N/A | 63A-1 | 40 CFR Part 63, Subpart A | No changing attributes. |
| FL-3 | FLARES | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| FL-3 | FLARES | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| FL-3 | FLARES | N/A | 60A-1 | 40 CFR Part 60, Subpart A | No changing attributes. |
| FL-3 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60JA-1 | 40 CFR Part 60, Subpart Ja | No changing attributes. |
| FL-3 | CLOSED VENT SYSTEM AND CONTROL DEVICE | N/A | 61FF-1 | 40 CFR Part 61, Subpart FF | No changing attributes. |
| FL-3 | FLARES | N/A | 63A-1 | 40 CFR Part 63, Subpart A | No changing attributes. |
| FL-4 | FLARES | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| FL-4 | FLARES | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| FL-4 | FLARES | N/A | 60A-1 | 40 CFR Part 60, Subpart A | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|--------------------------------------------------|-------------------------|
| FL-4 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60JA-1 | 40 CFR Part 60, Subpart Ja | No changing attributes. |
| FL-4 | CLOSED VENT SYSTEM AND CONTROL DEVICE | N/A | 61FF-1 | 40 CFR Part 61, Subpart FF | No changing attributes. |
| FL-4 | FLARES | N/A | 63A-1 | 40 CFR Part 63, Subpart A | No changing attributes. |
| FL-5 | FLARES | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| FL-5 | FLARES | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| FL-5 | FLARES | N/A | 60A-1 | 40 CFR Part 60, Subpart A | No changing attributes. |
| FL-5 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60JA-1 | 40 CFR Part 60, Subpart Ja | No changing attributes. |
| FL-5 | CLOSED VENT SYSTEM AND CONTROL DEVICE | N/A | 61FF-1 | 40 CFR Part 61, Subpart FF | No changing attributes. |
| FL-5 | FLARES | N/A | 63A-1 | 40 CFR Part 63, Subpart A | No changing attributes. |
| G-001 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1151-1 | 30 TAC Chapter 111, Nonagricultural Processes | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|----------------------------------------------|-------------------------|
| G-001 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| G-001 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| G-001 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| G-001 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| G-001 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60JA-1 | 40 CFR Part 60, Subpart Ja | No changing attributes. |
| G-001 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 63UUU-1 | 40 CFR Part 63, Subpart UUU | No changing attributes. |
| G-1040 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| G-1040 | VOLATILE ORGANIC | N/A | 60QQQ-1 | 40 CFR Part 60, Subpart | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|------------------------------------------------|--------------------------|---------------|-------------------------------------------|-------------------------|
| | COMPOUND WATER SEPARATORS | | | QQQ | |
| G-1040 | VOLATILE ORGANIC COMPOUND WATER SEPARATORS | N/A | 61FF-1 | 40 CFR Part 61, Subpart FF | No changing attributes. |
| G-1041 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| G-1041 | VOLATILE ORGANIC COMPOUND WATER SEPARATORS | N/A | 60QQQ-1 | 40 CFR Part 60, Subpart QQQ | No changing attributes. |
| G-1041 | VOLATILE ORGANIC COMPOUND WATER SEPARATORS | N/A | 61FF-1 | 40 CFR Part 61, Subpart FF | No changing attributes. |
| G-18-1403 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| G-18-1403 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| G-18-1403 | CLOSED VENT SYSTEM AND CONTROL DEVICE | N/A | 61FF-1 | 40 CFR Part 61, Subpart FF | No changing attributes. |
| G-2063 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 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 |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| G-2063 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| G-2063 | CLOSED VENT SYSTEM AND CONTROL DEVICE | N/A | 60QQQ-1 | 40 CFR Part 60, Subpart QQQ | No changing attributes. |
| G-2063 | CLOSED VENT SYSTEM AND CONTROL DEVICE | N/A | 61FF-1 | 40 CFR Part 61, Subpart FF | No changing attributes. |
| GSRU | GAS SWEETENING/SULFUR RECOVERY UNITS | N/A | REG2-1 | 30 TAC Chapter 112, Sulfur Compounds | No changing attributes. |
| GSRU | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60JA-1 | 40 CFR Part 60, Subpart Ja | No changing attributes. |
| GSRU | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 63UUU-1 | 40 CFR Part 63, Subpart UUU | No changing attributes. |
| H-13-1401 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| H-13-1401 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| H-13-1401 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-13-1401 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-13-1421 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| H-13-1421 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| H-13-1421 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-13-1421 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-13-1451 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| H-13-1451 | EMISSION POINTS/STATIONARY VENTS/PROCESS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| | VENTS | | | | |
| H-13-1451 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-13-1451 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-13-1480 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| H-13-1480 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| H-13-1480 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-13-1480 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-15 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-15 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 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 |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| H-16 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-16 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-16&17 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| H-16&17 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| H-17 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-17 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-18 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-18 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-19 | PROCESS | N/A | R7ICI-1 | 30 TAC Chapter 117, | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|-------------------------------------------------------|--------------------------|---------------|-------------------------------------|-------------------------|
| | HEATERS/FURNACES | | | Subchapter B | |
| H-19 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-20 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-20 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-21 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-21 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-22 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-22 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-23 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-23 | FCCU CAT | N/A | 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 |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| | REGEN/FUEL GAS COMBUSTION/CLAUS SRU | | | | |
| H-27 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| H-27 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| H-27 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-27 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-28 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| H-28 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| H-28 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| H-28 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-29 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| H-29 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| H-29 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-29 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-31 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-31 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-31&32 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 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 |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| | VENTS | | | | |
| H-31&32 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| H-32 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-32 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-34 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| H-34 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| H-34 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-34 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-35 | EMISSION POINTS/STATIONARY | N/A | R1111-1 | 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 |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| | VENTS/PROCESS VENTS | | | | |
| H-35 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| H-35 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-35 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-44 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| H-44 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| H-44 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-44 | BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS | N/A | 60DB-1 | 40 CFR Part 60, Subpart Db | No changing attributes. |
| H-44 | FCCU CAT REGEN/FUEL GAS | N/A | 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 |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| | COMBUSTION/CLAUS SRU | | | | |
| H-45 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| H-45 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| H-45 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-45 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-46 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| H-46 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| H-46 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-46 | FCCU CAT | N/A | 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 |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| | REGEN/FUEL GAS COMBUSTION/CLAUS SRU | | | | |
| H-50 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| H-50 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| H-50 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-50 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-57 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| H-57 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| H-57 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| H-57 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-58 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| H-58 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| H-58 | PROCESS HEATERS/FURNACES | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| H-58 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-60 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| H-60 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| H-60 | PROCESS | N/A | R7ICI-1 | 30 TAC Chapter 117, | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|----------------------------------------------------------|-------------------------|
| | HEATERS/FURNACES | | | Subchapter B | |
| H-60 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60J-1 | 40 CFR Part 60, Subpart J | No changing attributes. |
| H-REF2 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| H-REF2 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| J-108 | VACUUM PRODUCING SYSTEMS | N/A | R5311-1 | 30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref | No changing attributes. |
| J-109 | VACUUM PRODUCING SYSTEMS | N/A | R5311-1 | 30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref | No changing attributes. |
| J-110 | VACUUM PRODUCING SYSTEMS | N/A | R5311-1 | 30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref | No changing attributes. |
| J-111 | VACUUM PRODUCING SYSTEMS | N/A | R5311-1 | 30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref | No changing attributes. |
| J-112 | VACUUM PRODUCING SYSTEMS | N/A | R5311-1 | 30 TAC Chapter 115, Unit Turn & Vac System-Pet | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|--------------------------------------------------------|-------------------------|
| | | | | Ref | |
| LND-UNLOAD | LOADING/UNLOADING OPERATIONS | N/A | R5211-1 | 30 TAC Chapter 115, Loading and Unloading of VOC | No changing attributes. |
| MVDU-01 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| MVDU-01 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| MVDU-01 | INCINERATOR | N/A | R7ICI-1 | 30 TAC Chapter 117, Subchapter B | No changing attributes. |
| R5VNT H-20 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| R5VNT H-20 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 63UUU-1 | 40 CFR Part 63, Subpart UUU | No changing attributes. |
| R5VNT H-21 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| R5VNT TGI-G | EMISSION | N/A | R5121-1 | 30 TAC Chapter 115, Vent | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|---------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| | POINTS/STATIONARY VENTS/PROCESS VENTS | | | Gas Controls | |
| R5VNT TGI-S | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |
| SPSRU | GAS SWEETENING/SULFUR RECOVERY UNITS | N/A | REG2-1 | 30 TAC Chapter 112, Sulfur Compounds | No changing attributes. |
| SPSRU | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 60JA-1 | 40 CFR Part 60, Subpart Ja | No changing attributes. |
| SPSRU | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 63UUU-1 | 40 CFR Part 63, Subpart UUU | No changing attributes. |
| T-069 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-069 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-069 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-070 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|--------------------------|--------------------------|---------------|----------------------------------------------|-------------------------|
| T-070 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-070 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-078 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-078 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-078 | STORAGE TANKS/VESSELS | N/A | 60QQQ-1 | 40 CFR Part 60, Subpart QQQ | No changing attributes. |
| T-088 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-088 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-092 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-092 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-092 | STORAGE TANKS/VESSELS | N/A | 60QQQ-1 | 40 CFR Part 60, Subpart QQQ | No changing attributes. |
| T-094 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-095 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|--------------------------|--------------------------|---------------|----------------------------------------------|-------------------------|
| T-095 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-095 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-095 | STORAGE TANKS/VESSELS | N/A | 60QQQ-1 | 40 CFR Part 60, Subpart QQQ | No changing attributes. |
| T-095 | STORAGE TANKS/VESSELS | N/A | 61FF-1 | 40 CFR Part 61, Subpart FF | No changing attributes. |
| T-095 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-096 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-096 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-096 | STORAGE TANKS/VESSELS | N/A | 60QQQ-1 | 40 CFR Part 60, Subpart QQQ | No changing attributes. |
| T-100 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| T-100 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-100 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-100 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|--------------------------|--------------------------|---------------|----------------------------------------------|-------------------------|
| T-101 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| T-101 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-101 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-101 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-15-1902 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-15-1902 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-15-1904 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-15-1904 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-16-1902 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| T-16-1902 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-16-1902 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-16-1902 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|--------------------------|--------------------------|---------------|----------------------------------------------|-------------------------|
| T-16-1922 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| T-16-1922 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-16-1922 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-16-1922 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-303 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-303 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-307 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-307 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-316 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-316 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-320 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| T-320 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|--------------------------|--------------------------|---------------|----------------------------------------------|-------------------------|
| T-320 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-320 | STORAGE TANKS/VESSELS | N/A | 61FF-1 | 40 CFR Part 61, Subpart FF | No changing attributes. |
| T-320 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-321 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| T-321 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-321 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-321 | STORAGE TANKS/VESSELS | N/A | 61FF-1 | 40 CFR Part 61, Subpart FF | No changing attributes. |
| T-321 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-330 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-330 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-335 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| T-335 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|---------------------------------------|--------------------------|----------------------------------|----------------------|----------------------------------------|---------------------------|
| T-335 | STORAGE TANKS/VESSELS | N/A | 60KA-1 | 40 CFR Part 60, Subpart Ka | No changing attributes. |
| T-335 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-336 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-337 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-424 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-424 | STORAGE TANKS/VESSELS | N/A | 60K-1 | 40 CFR Part 60, Subpart K | No changing attributes. |
| T-424 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-428 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-428 | STORAGE TANKS/VESSELS | N/A | 60K-1 | 40 CFR Part 60, Subpart K | No changing attributes. |
| T-428 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-436 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-436 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|--------------------------|--------------------------|---------------|----------------------------------------|-------------------------|
| T-444 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-444 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-445 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-445 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-446 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-446 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-451 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-451 | STORAGE TANKS/VESSELS | N/A | 60K-1 | 40 CFR Part 60, Subpart K | No changing attributes. |
| T-451 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-477 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-477 | STORAGE TANKS/VESSELS | N/A | 60KA-1 | 40 CFR Part 60, Subpart Ka | No changing attributes. |
| T-477 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|--------------------------|--------------------------|---------------|----------------------------------------|-------------------------|
| T-478 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-478 | STORAGE TANKS/VESSELS | N/A | 60KA-1 | 40 CFR Part 60, Subpart Ka | No changing attributes. |
| T-478 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-479 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-482 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-486 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-486 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-489 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-489 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-489 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-490 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-490 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|--------------------------|--------------------------|---------------|----------------------------------------|-------------------------|
| T-490 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-491 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-491 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-491 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-499 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-499 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-519 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-520 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-546 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-546 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-546 | STORAGE TANKS/VESSELS | N/A | 61FF-1 | 40 CFR Part 61, Subpart FF | No changing attributes. |
| T-546 | STORAGE TANKS/VESSELS | N/A | 63CC-2 | 40 CFR Part 63, Subpart CC | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|--------------------------|--------------------------|---------------|----------------------------------------|-------------------------|
| T-558 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-558 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-559 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-559 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-561 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-561 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-563 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-563 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-563 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-565 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-565 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-565 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|--------------------------------------------------|--------------------------|---------------|----------------------------------------------|-------------------------|
| T-568 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-568 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-568 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-569 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-569 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-569 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-570 | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| T-570 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-570 | STORAGE TANKS/VESSELS | N/A | 60QQQ-1 | 40 CFR Part 60, Subpart QQQ | No changing attributes. |
| T-570 | VOLATILE ORGANIC COMPOUND WATER SEPARATORS | N/A | 60QQQ-1 | 40 CFR Part 60, Subpart QQQ | No changing attributes. |
| T-570 | VOLATILE ORGANIC COMPOUND WATER SEPARATORS | N/A | 61FF-1 | 40 CFR Part 61, Subpart FF | No changing attributes. |
| T-572 | STORAGE | N/A | R5112-1 | 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 | | | Storage of VOCs | |
| T-572 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-577 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-577 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-581 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-581 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-581 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-582 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-582 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-583 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-583 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-594 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-594 | STORAGE | N/A | 60KB-1 | 40 CFR Part 60, Subpart | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|--------------------------|--------------------------|---------------|----------------------------------------|-------------------------|
| | TANKS/VESSELS | | | Kb | |
| T-594 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-608 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-608 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-608 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-609 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-609 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-609 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-639 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-640 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-641 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-642 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-643 | STORAGE | N/A | R5112-1 | 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 | | | Storage of VOCs | |
| T-643 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-643 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| T-647 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-650 | STORAGE TANKS/VESSELS | N/A | R5112-1 | 30 TAC Chapter 115, Storage of VOCs | No changing attributes. |
| T-650 | STORAGE TANKS/VESSELS | N/A | 60KB-1 | 40 CFR Part 60, Subpart Kb | No changing attributes. |
| T-650 | STORAGE TANKS/VESSELS | N/A | 63CC-1 | 40 CFR Part 63, Subpart CC | No changing attributes. |
| VC-50 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R1111-1 | 30 TAC Chapter 111, Visible Emissions | No changing attributes. |
| VC-50 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5720-1 | 30 TAC Chapter 115, HRVOC Vent Gas | No changing attributes. |
| VC-50 | EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS | N/A | R5121-1 | 30 TAC Chapter 115, Vent Gas Controls | No changing attributes. |

Unit Summary

| Unit/Group/ Process ID No. | Unit Type | Group/Inclusive Units | SOP Index No. | Regulation | Requirement Driver |
|-------------------------------|-------------------------------------------------------|--------------------------|---------------|----------------------------------------------|-------------------------|
| VC-50 | FCCU CAT REGEN/FUEL GAS COMBUSTION/CLAUS SRU | N/A | 63UUU-1 | 40 CFR Part 63, Subpart UUU | No changing attributes. |
| WW DRUMS | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | No changing attributes. |
| WW VACTRKS | WASTEWATER UNITS | N/A | R5140-1 | 30 TAC Chapter 115, Industrial Wastewater | 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) |
|---------------------------|-------------------------|---------------|-----------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------|
| 16-1101 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | § 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) § 115.142(1)(H) § 115.147(7)(A) [G]§ 115.148 | The wastewater component shall meet the specified control requirements. | [G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(H) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | [G]§ 115.142(1)(H) § 115.144(3)(H) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |
| 16-1151 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | § 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) § 115.142(1)(H) § 115.147(7)(A) [G]§ 115.148 | The wastewater component shall meet the specified control requirements. | [G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(H) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | [G]§ 115.142(1)(H) § 115.144(3)(H) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |
| 16-1171 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | § 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) § 115.142(1)(H) | The wastewater component shall meet the specified control requirements. | [G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(H) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) | [G]§ 115.142(1)(H) § 115.144(3)(H) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| | | | | | § 115.147(7)(A) [G]§ 115.148 | | [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | | |
| 16-1203 | EP | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(1) | All miscellaneous process vents from petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | [G]§ 63.645(g) § 63.645(h) § 63.645(h)(1) § 63.645(h)(2) | § 63.655(g)(7)(ii) § 63.655(i)(5) | § 63.645(h)(2) § 63.655(f) § 63.655(f)(1)(ii) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) |
| 16-1223 | EP | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(1) | All miscellaneous process vents from petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | [G]§ 63.645(g) § 63.645(h) § 63.645(h)(1) § 63.645(h)(2) | § 63.655(g)(7)(ii) § 63.655(i)(5) | § 63.645(h)(2) § 63.655(f) § 63.655(f)(1)(ii) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) |
| A-122 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | § 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) § 115.142(1)(H) § 115.147(7)(A) [G]§ 115.148 | The wastewater component shall meet the specified control requirements. | [G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(H) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) | [G]§ 115.142(1)(H) § 115.144(3)(H) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | | § 115.145(7) § 115.145(9) [G]§ 115.148 | | |
| A-158 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | § 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) § 115.142(1)(H) § 115.147(7)(A) [G]§ 115.148 | The wastewater component shall meet the specified control requirements. | [G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(H) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | [G]§ 115.142(1)(H) § 115.144(3)(H) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |
| A-49 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | § 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) § 115.142(1)(H) § 115.147(7)(A) [G]§ 115.148 | The wastewater component shall meet the specified control requirements. | [G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(H) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | [G]§ 115.142(1)(H) § 115.144(3)(H) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |
| A-58 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | § 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) | The wastewater component shall meet the specified control | [G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(H) § 115.144(5) | [G]§ 115.142(1)(H) § 115.144(3)(H) § 115.146(1) § 115.146(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) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| | | | | | § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) § 115.142(1)(H) § 115.147(7)(A) [G]§ 115.148 | requirements. | § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | § 115.146(3) § 115.146(4) | |
| B-18 | EP | R1111-1 | 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 |
| B-18 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | Counties and Compliance Schedules). | | | |
| B-18 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(1)(A) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 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) |
| B-18 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) | CO emissions must not exceed 400 | [G]§ 117.335(a)(1) § 117.335(a)(4) | § 117.345(a) § 117.345(f) | § 117.335(b) § 117.335(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) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 117.310(c)(3) § 117.340(f)(1) § 117.8120 | ppmv at 3.0% O ₂ , dry basis. | § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) [G]§ 117.340(f)(2) § 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) § 117.8120(1) § 117.8120(1)(A) | § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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) |
| B-18 | EU | 60DB-1 | SO ₂ | 40 CFR Part 60, Subpart Db | § 60.104(a)(1) § 60.104 | 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 in excess of 230 mg/dscm (0.10 | § 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.105(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1) | § 60.105(a)(4) | § 60.105(e) § 60.105(e)(3)(ii) § 60.107(e) § 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) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------|-------------------------------------------------|
| | | | | | | 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 this paragraph. | | | |
| B-18 | EU | 6oDB-1 | PM | 40 CFR Part 60, Subpart Db | § 60.40b(a) | This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr). | None | [G]§ 60.49b(d) § 60.49b(o) | § 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) |
| B-18 | EU | 6oDB-1 | PM (OPACITY) | 40 CFR Part 60, Subpart Db | § 60.40b(a) | This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr). | None | [G]§ 60.49b(d) § 60.49b(o) | § 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) |
| B-18 | EU | 6oDB-1 | NO _x | 40 CFR Part 60, Subpart Db | § 60.44b(a)(1)(ii) § 60.44b(h) | Except as in §60.44b(k), (l), | § 60.46b(c) § 60.46b(e) | [G]§ 60.48b(b) § 60.48b(c) | § 60.49b(a) § 60.49b(a)(1) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| | | | | | § 60.44b(i) § 60.46b(a) | on/after §60.8 test, no facility combusting natural gas and distillate oil (high heat release rate) shall discharge gases containing NOx in excess of 86 ng/J heat input. | § 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]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o) | § 60.49b(a)(3) § 60.49b(b) § 60.49b(h) § 60.49b(h)(4) § 60.49b(i) § 60.49b(v) § 60.49b(w) |
| B-18 | 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 (H2S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| B-26 | EP | R1111-1 | 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 |
| B-26 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) | All sites that are subject to this division and that are located in the | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(j)(1) § 115.726(j)(2) | |
| B-26 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(1)(A) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | may use the alternative methods specified in § 117.9800 to comply with § 117.320. | § 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) | | |
| B-26 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) § 117.8120 | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) [G]§ 117.340(f)(2) § 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) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | | § 117.8120(1) § 117.8120(1)(A) | | |
| B-26 | EU | R7ICI-1 | NH ₃ | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(2) § 117.310(c)(2)(A) | For boilers that inject urea or ammonia into the exhaust stream for NO _x control, ammonia emissions must not exceed 10 ppmv at 3.0% O ₂ , dry. | § 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(d) § 117.8000(b) § 117.8000(c) § 117.8000(c)(3) § 117.8000(c)(4) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8130 § 117.8130(3) | § 117.345(a) § 117.345(f) § 117.345(f)(11) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |
| B-26 | EU | 60DB-1 | SO ₂ | 40 CFR Part 60, Subpart Db | § 60.104(a)(1) § 60.104 | 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 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 this | § 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.105(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1) | § 60.105(a)(4) | § 60.105(e) § 60.105(e)(3)(ii) § 60.107(e) § 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) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| | | | | | | paragraph. | | | |
| B-26 | EU | 60DB-1 | PM | 40 CFR Part 60, Subpart Db | § 60.40b(a) | This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr). | None | [G]§ 60.49b(d) § 60.49b(o) | § 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) |
| B-26 | EU | 60DB-1 | PM (OPACITY) | 40 CFR Part 60, Subpart Db | § 60.40b(a) | This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr). | None | [G]§ 60.49b(d) § 60.49b(o) | § 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) |
| B-26 | EU | 60DB-1 | NO _x | 40 CFR Part 60, Subpart Db | § 60.44b(l)(1) § 60.44b(h) § 60.44b(i) § 60.46b(a) | Affected facilities combusting coal, oil, or natural gas, or a mixture of these fuels, or any other fuels: a limit of 86 ng/JI (0.20 lb/million Btu) heat input unless the affected facility meets the specified requirements. | § 60.46b(c) § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(3) [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) | [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(i) § 60.49b(v) § 60.49b(w) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| B-26 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| B-27 | EP | R1111-1 | 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 |
| B-27 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | | | |
| B-27 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(1)(A) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 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) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B-27 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) § 117.8120 | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) [G]§ 117.340(f)(2) § 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) § 117.8120(1) § 117.8120(1)(A) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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) |
| B-27 | EU | R7ICI-1 | NH ₃ | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(2) § 117.310(c)(2)(A) | For boilers that inject urea or ammonia into the exhaust stream for NO _x control, ammonia emissions must not exceed 10 ppmv at 3.0% O ₂ , | § 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(d) § 117.8000(b) | § 117.345(a) § 117.345(f) § 117.345(f)(11) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | dry. | § 117.8000(c) § 117.8000(c)(3) § 117.8000(c)(4) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8130 § 117.8130(3) | | § 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) |
| B-27 | EU | 60DB-1 | SO ₂ | 40 CFR Part 60, Subpart Db | § 60.104(a)(1) § 60.104 | 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 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 this paragraph. | § 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.105(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1) | § 60.105(a)(4) | § 60.105(e) § 60.105(e)(3)(ii) § 60.107(e) § 60.107(f) |
| B-27 | EU | 60DB-1 | PM | 40 CFR Part 60, Subpart Db | § 60.40b(a) | This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels | 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) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| | | | | | | combusted in the unit > 29 MW (100 MMBtu/hr). | | | |
| B-27 | EU | 60DB-1 | PM (OPACITY) | 40 CFR Part 60, Subpart Db | § 60.40b(a) | This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr). | None | [G]§ 60.49b(d) § 60.49b(o) | § 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) |
| B-27 | EU | 60DB-1 | NO _x | 40 CFR Part 60, Subpart Db | § 60.44b(l)(1) § 60.44b(h) § 60.44b(i) § 60.46b(a) | Affected facilities combusting coal, oil, or natural gas, or a mixture of these fuels, or any other fuels: a limit of 86 ng/JI (0.20 lb/million Btu) heat input unless the affected facility meets the specified requirements. | § 60.46b(c) § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(3) [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) | [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(i) § 60.49b(v) § 60.49b(w) |
| B-27 | 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 ₂ S) in excess of 230 | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 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). | | | |
| B-32 | EP | R1111-1 | 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 |
| B-32 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2) |
| B-32 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(1)(A) § 117.310(b) [G]§ 117.310(e)(1) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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) | § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.345(d)(3) § 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) |
| B-32 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) § 117.8120 | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) § 117.8000(b) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(7) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B) | | [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |
| B-32 | EU | R7ICI-1 | NH ₃ | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(2) § 117.310(c)(2)(A) | For boilers that inject urea or ammonia into the exhaust stream for NO _x control, ammonia emissions must not exceed 10 ppmv at 3.0% O ₂ , dry. | § 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(d) § 117.8000(b) § 117.8000(c) § 117.8000(c)(3) § 117.8000(c)(4) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8130 § 117.8130(3) | § 117.345(a) § 117.345(f) § 117.345(f)(11) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |
| B-32 | EU | 60DB-1 | SO ₂ | 40 CFR Part 60, Subpart Db | § 60.104(a)(1) § 60.104 | 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 in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset | § 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.105(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1) | § 60.105(a)(4) | § 60.105(e) § 60.105(e)(3)(ii) § 60.107(e) § 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) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| | | | | | | 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 paragraph. | | | |
| B-32 | EU | 6oDB-1 | PM | 40 CFR Part 60, Subpart Db | § 60.40b(a) | This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr). | None | [G]§ 60.49b(d) § 60.49b(o) | § 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) |
| B-32 | EU | 6oDB-1 | PM (OPACITY) | 40 CFR Part 60, Subpart Db | § 60.40b(a) | This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr). | None | [G]§ 60.49b(d) § 60.49b(o) | § 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) |
| B-32 | EU | 6oDB-1 | NO _x | 40 CFR Part 60, Subpart Db | § 60.44b(l)(1) § 60.44b(h) § 60.44b(i) § 60.46b(a) | Affected facilities combusting coal, oil, or natural gas, or a mixture of these fuels, or any other | § 60.46b(c) § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(4) [G]§ 60.48b(b) | [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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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: a limit of 86 ng/JI (0.20 lb/million Btu) heat input unless the affected facility meets the specified requirements. | § 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(h)(4) § 60.49b(i) § 60.49b(v) § 60.49b(w) |
| B-32 | EU | 60JA-1 | H2S | 40 CFR Part 60, Subpart Ja | § 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja |
| B-33 | EP | R1111-1 | 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 |
| B-33 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | | | |
| B-33 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(1)(A) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 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)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) | | |
| B-33 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) § 117.8120 | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(7) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |
| B-33 | EU | R7ICI-1 | NH ₃ | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(2) § 117.310(c)(2)(A) | For boilers that inject urea or ammonia into the exhaust stream for NO _x control, ammonia emissions must not exceed 10 ppmv at 3.0% O ₂ , dry. | § 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(d) § 117.8000(b) § 117.8000(c) § 117.8000(c)(3) § 117.8000(c)(4) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) | § 117.345(a) § 117.345(f) § 117.345(f)(11) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------|
| | | | | | | | § 117.8130 § 117.8130(3) | | [G]§ 117.8010(8) |
| B-33 | EU | 60DB-1 | SO ₂ | 40 CFR Part 60, Subpart Db | § 60.104(a)(1) § 60.104 | 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 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 this paragraph. | § 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.105(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1) | § 60.105(a)(4) | § 60.105(e) § 60.105(e)(3)(ii) § 60.107(e) § 60.107(f) |
| B-33 | EU | 60DB-1 | PM | 40 CFR Part 60, Subpart Db | § 60.40b(a) | This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr). | None | [G]§ 60.49b(d) § 60.49b(o) | § 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) |
| B-33 | EU | 60DB-1 | PM (OPACITY) | 40 CFR Part 60, Subpart Db | § 60.40b(a) | This subpart applies to each steam | None | [G]§ 60.49b(d) § 60.49b(o) | § 60.49b(a) § 60.49b(a)(1) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr). | | | § 60.49b(a)(3) |
| B-33 | EU | 60DB-1 | NO _x | 40 CFR Part 60, Subpart Db | § 60.44b(l)(1) § 60.44b(h) § 60.44b(i) § 60.46b(a) | Affected facilities combusting coal, oil, or natural gas, or a mixture of these fuels, or any other fuels: a limit of 86 ng/Jl (0.20 lb/million Btu) heat input unless the affected facility meets the specified requirements. | § 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) |
| B-33 | EU | 60JA-1 | H ₂ S | 40 CFR Part 60, Subpart Ja | § 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja |
| B-34 | EP | R1111-1 | 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 | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed. | | | |
| B-34 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2) |
| B-34 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(1)(A) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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)(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) |
| B-34 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) § 117.8120 | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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)(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(1) § 117.8120(1)(A) | | [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c) |
| B-34 | EU | R7ICI-1 | NH ₃ | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(2) § 117.310(c)(2)(A) | For boilers that inject urea or ammonia into the exhaust stream for NO _x control, ammonia emissions must not exceed 10 ppmv at 3.0% O ₂ , dry. | § 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(d) § 117.8000(b) § 117.8000(c) § 117.8000(c)(3) § 117.8000(c)(4) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8130 § 117.8130(3) | § 117.345(a) § 117.345(f) § 117.345(f)(11) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |
| B-34 | EU | 60DB-1 | SO ₂ | 40 CFR Part 60, Subpart Db | § 60.104(a)(1) § 60.104 | 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 in excess of | § 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.105(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1) | § 60.105(a)(4) | § 60.105(e) § 60.105(e)(3)(ii) § 60.107(e) § 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) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------|-------------------------------------------------|
| | | | | | | 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 this paragraph. | | | |
| B-34 | EU | 60DB-1 | PM | 40 CFR Part 60, Subpart Db | § 60.40b(a) | This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr). | None | [G]§ 60.49b(d) § 60.49b(o) | § 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) |
| B-34 | EU | 60DB-1 | PM (OPACITY) | 40 CFR Part 60, Subpart Db | § 60.40b(a) | This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr). | None | [G]§ 60.49b(d) § 60.49b(o) | § 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) |
| B-34 | EU | 60DB-1 | NO _x | 40 CFR Part 60, | § 60.44b(l)(1) | Affected facilities | § 60.46b(c) | [G]§ 60.48b(b) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| | | | | Subpart Db | § 60.44b(h) § 60.44b(i) § 60.46b(a) | combusting coal, oil, or natural gas, or a mixture of these fuels, or any other fuels: a limit of 86 ng/JI (0.20 lb/million Btu) heat input unless the affected facility meets the specified requirements. | § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(3) [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(c) [G]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o) | § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(b) § 60.49b(h) § 60.49b(i) § 60.49b(v) § 60.49b(w) |
| B-34 | EU | 60JA-1 | H2S | 40 CFR Part 60, Subpart Ja | § 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja |
| B-34 | EU | 63DDDDD-1 | 112(B) HAPS | 40 CFR Part 63, Subpart DDDDD | § 63.7500(a)(1)-Table 3.1 § 63.7500(a)(1) § 63.7500(e) § 63.7500(f) § 63.7505(a) § 63.7540(a) § 63.7540(a)(11) § 63.7540(a)(12) | 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) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(c) | § 63.7555(g) § 63.7555(h) | [G]§ 63.7545(e) |
| C-137 | EU | 60GGG-1 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) | Comply with the requirements as stated in §60.482-3 | § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) | § 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| | | | | | § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) [G]§ 60.482-3(i) § 60.482-3(j) [G]§ 60.482-9 § 60.593(c) | for reciprocating compressors that become subject under §60.14 and §60.15. | [G]§ 60.482-3(i) § 60.482-3(j) § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j) § 60.592(e) | § 60.487(e) § 60.592(e) |
| C-137 | EU | 60GGG-1 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 | Comply with the requirements as stated in §60.482-3 for compressors. | [G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | [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) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| C-141 | EU | 60GGG-1 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) [G]§ 60.482-3(i) § 60.482-3(j) [G]§ 60.482-9 § 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(f) § 60.482-3(g)(1) § 60.482-3(g)(2) [G]§ 60.482-3(i) § 60.482-3(j) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | [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) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| C-141 | EU | 60GGG-1 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 | Comply with the requirements as stated in §60.482-3 for compressors. | [G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | [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) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(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) |
|---------------------------|-------------------------|---------------|-----------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| C-142 | EU | 60GGG-1 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-3(f) § 60.482-3(g)(1) § 60.482-3(g)(2) [G]§ 60.482-3(i) § 60.482-3(j) [G]§ 60.482-9 § 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(f) § 60.482-3(g)(1) § 60.482-3(g)(2) [G]§ 60.482-3(i) § 60.482-3(j) § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | [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) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| C-142 | EU | 60GGG-1 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 | Comply with the requirements as stated in §60.482-3 for compressors. | [G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | [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) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| CANISTERS | CD | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | § 115.142(1)(D)(ii)(I) § 115.142 § 115.147(7)(B) | If any cover, except for junction boxes described in subclause (II), is equipped with a vent, the vent shall be equipped with either a vapor control system or a closed system. | § 115.144(3)(D) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) | § 115.144(3)(D) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |
| CANISTERS | CD | 61FF-1 | BENZENE | 40 CFR Part 61, Subpart FF | § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) | For each closed-vent system and control device used to comply with §§61.343-61.348, properly design, | § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(d) [G]§ 61.355(h) | § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(G) § 61.356(h) | § 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(I) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 61.349(e) § 61.349(f) § 61.349(g) | install, operate, and maintain the closed-vent system and control device. | | § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.356(j)(3) | |
| CT-1 | EU | R5760-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Cooling Towers | § 115.767(6) § 115.764(a)(1) § 115.766(i) | All sites that are subject to this division and that are located in the Houston/ Galveston/Brazoria area as defined in § 115.10, excluding Harris County, are exempt from § 115.761(b) and (c)(2), except as provided in § 115.769(a)(3). | § 115.764(a)(1) § 115.764(a)(3) [G]§ 115.764(a)(6) § 115.764(c) | § 115.766(a)(1) § 115.766(a)(2) § 115.766(a)(3) § 115.766(a)(5) § 115.766(a)(6) § 115.766(c) [G]§ 115.766(g) § 115.766(i)(1) | § 115.766(i)(2) |
| CT-1 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.654(a) § 63.640(h)(6) | Except as specified in paragraph (b) of this section, the owner or operator of a heat exchange system that meets the criteria in §63.640(c)(8) must comply with the requirements of paragraphs (c) through (g) of this section. | § 63.642(d)(1) § 63.642(d)(3) § 63.642(d)(4) [G]§ 63.654(c) [G]§ 63.654(d) § 63.654(e) [G]§ 63.654(f) [G]§ 63.654(g) | § 63.642(e) § 63.655(h)(1) [G]§ 63.655(i)(4) § 63.655(i)(5) | § 63.642(d)(2) § 63.642(f) § 63.655(f) § 63.655(f)(1)(vi) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(9) § 63.655(h)(1) |
| CT-10 | EU | R5760-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Cooling Towers | § 115.767(6) § 115.764(a)(1) § 115.766(i) | All sites that are subject to this division and that are located in the Houston/ Galveston/Brazoria | § 115.764(a)(1) § 115.764(a)(3) [G]§ 115.764(a)(6) § 115.764(c) | § 115.766(a)(1) § 115.766(a)(2) § 115.766(a)(3) § 115.766(a)(5) § 115.766(a)(6) § 115.766(c) | § 115.766(i)(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) |
|---------------------------|-------------------------|---------------|---------------------|------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | area as defined in § 115.10, excluding Harris County, are exempt from § 115.761(b) and (c)(2), except as provided in § 115.769(a)(3). | | [G]§ 115.766(g) § 115.766(i)(1) | |
| CT-10 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.654(a) § 63.640(h)(6) | Except as specified in paragraph (b) of this section, the owner or operator of a heat exchange system that meets the criteria in §63.640(c)(8) must comply with the requirements of paragraphs (c) through (g) of this section. | § 63.642(d)(1) § 63.642(d)(3) § 63.642(d)(4) [G]§ 63.654(c) [G]§ 63.654(d) § 63.654(e) [G]§ 63.654(f) [G]§ 63.654(g) | § 63.642(e) § 63.655(h)(1) [G]§ 63.655(i)(4) § 63.655(i)(5) | § 63.642(d)(2) § 63.642(f) § 63.655(f) § 63.655(f)(1)(vi) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(9) § 63.655(h)(1) |
| CT-3 | EU | R5760-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Cooling Towers | § 115.767(6) § 115.764(a)(1) § 115.766(i) | All sites that are subject to this division and that are located in the Houston/ Galveston/Brazoria area as defined in § 115.10, excluding Harris County, are exempt from § 115.761(b) and (c)(2), except as provided in § 115.769(a)(3). | § 115.764(a)(1) § 115.764(a)(3) [G]§ 115.764(a)(6) § 115.764(c) | § 115.766(a)(1) § 115.766(a)(2) § 115.766(a)(3) § 115.766(a)(5) § 115.766(a)(6) § 115.766(c) [G]§ 115.766(g) § 115.766(i)(1) | § 115.766(i)(2) |
| CT-3 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.654(a) § 63.640(h)(6) | Except as specified in paragraph (b) of this section, the owner or operator of | § 63.642(d)(1) § 63.642(d)(3) § 63.642(d)(4) [G]§ 63.654(c) | § 63.642(e) § 63.655(h)(1) [G]§ 63.655(i)(4) § 63.655(i)(5) | § 63.642(d)(2) § 63.642(f) § 63.655(f) § 63.655(f)(1)(vi) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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 heat exchange system that meets the criteria in §63.640(c)(8) must comply with the requirements of paragraphs (c) through (g) of this section. | [G]§ 63.654(d) § 63.654(e) [G]§ 63.654(f) [G]§ 63.654(g) | | § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(9) § 63.655(h)(1) |
| CT-4 | EU | R5760-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Cooling Towers | § 115.767(6) § 115.764(a)(1) § 115.766(i) | All sites that are subject to this division and that are located in the Houston/ Galveston/Brazoria area as defined in § 115.10, excluding Harris County, are exempt from § 115.761(b) and (c)(2), except as provided in § 115.769(a)(3). | § 115.764(a)(1) § 115.764(a)(3) [G]§ 115.764(a)(6) § 115.764(c) | § 115.766(a)(1) § 115.766(a)(2) § 115.766(a)(3) § 115.766(a)(5) § 115.766(a)(6) § 115.766(c) [G]§ 115.766(g) § 115.766(i)(1) | § 115.766(i)(2) |
| CT-4 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.654(a) § 63.640(h)(6) | Except as specified in paragraph (b) of this section, the owner or operator of a heat exchange system that meets the criteria in §63.640(c)(8) must comply with the requirements of paragraphs (c) through (g) of this section. | § 63.642(d)(1) § 63.642(d)(3) § 63.642(d)(4) [G]§ 63.654(c) [G]§ 63.654(d) § 63.654(e) [G]§ 63.654(f) [G]§ 63.654(g) | § 63.642(e) § 63.655(h)(1) [G]§ 63.655(i)(4) § 63.655(i)(5) | § 63.642(d)(2) § 63.642(f) § 63.655(f) § 63.655(f)(1)(vi) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(9) § 63.655(h)(1) |
| CT-5 | EU | R5760-1 | HIGHLY REACTIVE | 30 TAC Chapter 115, HRVOC | § 115.767(6) § 115.764(a)(1) | All sites that are subject to this | § 115.764(a)(1) § 115.764(a)(3) | § 115.766(a)(1) § 115.766(a)(2) | § 115.766(i)(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) |
|---------------------------|-------------------------|---------------|---------------------|------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| | | | VOC | Cooling Towers | § 115.766(i) | division and that are located in the Houston/ Galveston/Brazoria area as defined in § 115.10, excluding Harris County, are exempt from § 115.761(b) and (c)(2), except as provided in § 115.769(a)(3). | [G]§ 115.764(a)(6) § 115.764(c) | § 115.766(a)(3) § 115.766(a)(5) § 115.766(a)(6) § 115.766(c) [G]§ 115.766(g) § 115.766(i)(1) | |
| CT-5 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.654(a) § 63.640(h)(6) | Except as specified in paragraph (b) of this section, the owner or operator of a heat exchange system that meets the criteria in §63.640(c)(8) must comply with the requirements of paragraphs (c) through (g) of this section. | § 63.642(d)(1) § 63.642(d)(3) § 63.642(d)(4) [G]§ 63.654(c) [G]§ 63.654(d) § 63.654(e) [G]§ 63.654(f) [G]§ 63.654(g) | § 63.642(e) § 63.655(h)(1) [G]§ 63.655(i)(4) § 63.655(i)(5) | § 63.642(d)(2) § 63.642(f) § 63.655(f) § 63.655(f)(1)(vi) § 63.655(f)(4) § 63.655(g) [G]§ 63.655(g)(9) § 63.655(h)(1) |
| CT-6 | EU | R5760-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Cooling Towers | § 115.767(2) | Any cooling tower heat exchange system in which no individual heat exchanger has greater than 100 ppmw HRVOCs in the process side fluid is exempt from the requirements of this division, with the exception of the recordkeeping requirements of | None | § 115.766(b) § 115.766(b)(2) § 115.766(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) |
|---------------------------|-------------------------|---------------|---------------------|------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| | | | | | | §115.766(b) and (c) of this title. | | | |
| CT-8 | EU | R5760-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Cooling Towers | § 115.767(2) | Any cooling tower heat exchange system in which no individual heat exchanger has greater than 100 ppmw HRVOCs in the process side fluid is exempt from the requirements of this division, with the exception of the recordkeeping requirements of §115.766(b) and (c) of this title. | None | § 115.766(b) § 115.766(b)(2) § 115.766(c) | None |
| CT-9 | EU | R5760-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Cooling Towers | § 115.767(6) § 115.764(a)(1) § 115.766(i) | All sites that are subject to this division and that are located in the Houston/ Galveston/Brazoria area as defined in § 115.10, excluding Harris County, are exempt from § 115.761(b) and (c)(2), except as provided in § 115.769(a)(3). | § 115.764(a)(1) § 115.764(a)(3) [G]§ 115.764(a)(6) § 115.764(c) | § 115.766(a)(1) § 115.766(a)(2) § 115.766(a)(3) § 115.766(a)(5) § 115.766(a)(6) § 115.766(c) [G]§ 115.766(g) § 115.766(i)(1) | § 115.766(i)(2) |
| CT-9 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.654(a) § 63.640(h)(6) | Except as specified in paragraph (b) of this section, the owner or operator of a heat exchange system that meets | § 63.642(d)(1) § 63.642(d)(3) § 63.642(d)(4) [G]§ 63.654(c) [G]§ 63.654(d) § 63.654(e) | § 63.642(e) § 63.655(h)(1) [G]§ 63.655(i)(4) § 63.655(i)(5) | § 63.642(d)(2) § 63.642(f) § 63.655(f) § 63.655(f)(1)(vi) § 63.655(f)(4) § 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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------|-------------------------------------------|
| | | | | | | the criteria in §63.640(c)(8) must comply with the requirements of paragraphs (c) through (g) of this section. | [G]§ 63.654(f) [G]§ 63.654(g) | | [G]§ 63.655(g)(9) § 63.655(h)(1) |
| CUBFUG | EU | R5780-3 - 9 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | None | § 115.786(e) § 115.786(g) | None |
| CUBFUG | EU | R5352-6 - 14 | 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 |
| CUBFUG | EU | R5352-6 - | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | 14 | | 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) | |
| CUBFUG | EU | R5352-6 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| CUBFUG | EU | R5352-6 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) | No valves 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) | [G]§ 115.354(7) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8) § 115.357(9) | volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | § 115.356(5) | |
| CUBFUG | EU | R5352-6 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 § 115.357(1) | § 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 |
| CUBFUG | EU | R5352-6 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping or exuding of process fluid | § 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| | | | | | | based on sight, smell, or sound. | | | |
| CUBFUG | EU | 60GGG-3-9 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 | Comply with the requirements as stated in §60.482-2 for pumps in light-liquid service. | [G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d) | [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) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| CUBFUG | EU | 60GGG-3-9 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 | 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) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| CUBFUG | EU | 60GGG-3-9 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 | 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) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| CUBFUG | EU | 60GGG-3-9 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 60.592(b) | Comply with the requirements in as stated in §60.482-7 for valves in gas/vapor or light-liquid service. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d) | [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(g) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) § 60.592(e) |
| CUBFUG | EU | 60GGG-3-9 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) | Comply with the requirements in as | [G]§ 60.482-8 § 60.485(a) | [G]§ 60.486(a) [G]§ 60.486(b) | § 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) [G]§ 60.482-8 [G]§ 60.482-9 | stated in §60.482-8 for flanges or other connectors. | [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| CUBFUG | EU | 63CC-3 - 10 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2. | [G]§ 60.482-2 § 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(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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| CUBFUG | EU | 63CC-3 - 10 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| CUBFUG | EU | 63CC-3 - 10 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) [G]§ 63.648(b) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| CUBFUG | EU | 63CC-3 - 10 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 | Comply with the specified 40 CFR Part 60, Subpart VV requirements for | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 60.485(a) | [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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2) | valves in gas/vapor service or in light liquid service complying with §60.482-7. | [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) [G]§ 60.486(g) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(e) |
| CUBFUG | EU | 63CC-3 - 10 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| CUBFUG | EU | 63CC-3 - 10 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10. | [G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | [G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D) |
| CUBSCRUB | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2) | A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the | [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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| | | | | | | requirements of § 115.121(a)(1). | | | |
| CUBSCRUB | EP | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(1) | All miscellaneous process vents from petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | [G]§ 63.645(g) § 63.645(h) § 63.645(h)(1) § 63.645(h)(2) | § 63.655(g)(7)(ii) § 63.655(i)(5) | § 63.645(h)(2) § 63.655(f) § 63.655(f)(1)(ii) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) |
| D-1026 | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2) | A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1). | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| D-1026 | 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 < 612 ppmv is exempt from § 115.121(a)(1). | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| D-1026 | EP | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(1) | All miscellaneous process vents from petroleum refining process units meeting the criteria in paragraph (a) of | [G]§ 63.645(g) § 63.645(h) § 63.645(h)(1) § 63.645(h)(2) | § 63.655(g)(7)(ii) § 63.655(i)(5) | § 63.645(h)(2) § 63.655(f) § 63.655(f)(1)(ii) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| | | | | | | this section are part of the affected source. | | | |
| D-1120 | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2) | A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1). | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| D-1120 | 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 < 612 ppmv is exempt from § 115.121(a)(1). | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| D-1120 | EP | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(1) | All miscellaneous process vents from petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | [G]§ 63.645(g) § 63.645(h) § 63.645(h)(1) § 63.645(h)(2) | § 63.655(g)(7)(ii) § 63.655(i)(5) | § 63.645(h)(2) § 63.655(f) § 63.655(f)(1)(ii) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) |
| D-1176 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.722(d) § 115.722(d)(1) § 115.722(d)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/ | § 115.725(n) | § 115.726(d)(1) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) | § 115.725(n) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | | § 115.726(j)(1) § 115.726(j)(2) | |
| D-1176 | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(B) § 60.18 | No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title. | [G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) | § 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2) | None |
| D-1176 | EP | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.643(a) § 63.11(b) § 63.643(a)(1) | The owner or operator of a Group 1 miscellaneous process vent as defined in §63.641 shall comply with the requirements of either §63.643(a)(1)-(2). | § 63.116(a)(2) § 63.116(a)(3) § 63.644(a) § 63.644(a)(2) § 63.644(e) § 63.645(a) § 63.645(i) | § 63.642(e) § 63.655(h)(1) § 63.655(i)(5) | § 63.642(f) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(ii) [G]§ 63.655(f)(1)(iv) [G]§ 63.655(f)(2) § 63.655(f)(4) § 63.655(g) § 63.655(g)(6) § 63.655(h) § 63.655(h)(1) |
| D-1180 | EP | R5720-1 | HIGHLY | 30 TAC Chapter | § 115.727(f) | All sites that are | § 115.725(n) | § 115.726(d)(1) | § 115.725(n) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|--------------|---------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | REACTIVE VOC | 115, HRVOC Vent Gas | § 115.722(d) § 115.722(d)(1) § 115.722(d)(2) | subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | | § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | |
| D-1180 | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(B) § 60.18 | No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title. | [G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) | § 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2) | None |
| D-1180 | EP | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.643(a) § 63.11(b) § 63.643(a)(1) | The owner or operator of a Group 1 miscellaneous process vent as defined in §63.641 shall comply with the requirements of either §63.643(a)(1)-(2). | § 63.116(a)(2) § 63.116(a)(3) § 63.644(a) § 63.644(a)(2) § 63.644(e) § 63.645(a) § 63.645(i) | § 63.642(e) § 63.655(h)(1) § 63.655(i)(5) | § 63.642(f) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(ii) [G]§ 63.655(f)(1)(iv) [G]§ 63.655(f)(2) § 63.655(f)(4) § 63.655(g) § 63.655(g)(6) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| | | | | | | | | | § 63.655(h) § 63.655(h)(1) |
| D-1181 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.722(d) § 115.722(d)(1) § 115.722(d)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(n) | § 115.726(d)(1) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | § 115.725(n) |
| D-1181 | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(B) § 60.18 | No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title. | [G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) | § 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2) | None |
| D-1181 | EP | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.643(a) § 63.11(b) § 63.643(a)(1) | The owner or operator of a Group 1 miscellaneous process vent as defined in §63.641 | § 63.116(a)(2) § 63.116(a)(3) § 63.644(a) § 63.644(a)(2) § 63.644(e) | § 63.642(e) § 63.655(h)(1) § 63.655(i)(5) | § 63.642(f) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(ii) [G]§ 63.655(f)(1)(iv) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| | | | | | | shall comply with the requirements of either §63.643(a)(1)-(2). | § 63.645(a) § 63.645(i) | | [G]§ 63.655(f)(2) § 63.655(f)(4) § 63.655(g) § 63.655(g)(6) § 63.655(h) § 63.655(h)(1) |
| D-1184 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.722(d) § 115.722(d)(1) § 115.722(d)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(n) | § 115.726(d)(1) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | § 115.725(n) |
| D-1184 | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(B) § 60.18 | No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title. | [G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) | § 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2) | None |
| D-1184 | EP | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, | § 63.643(a) | The owner or | § 63.116(a)(2) | § 63.642(e) | § 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) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | Subpart CC | § 63.11(b) § 63.643(a)(1) | operator of a Group 1 miscellaneous process vent as defined in §63.641 shall comply with the requirements of either §63.643(a)(1)-(2). | § 63.116(a)(3) § 63.644(a) § 63.644(a)(2) § 63.644(e) § 63.645(a) § 63.645(i) | § 63.655(h)(1) § 63.655(i)(5) | [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(ii) [G]§ 63.655(f)(1)(iv) [G]§ 63.655(f)(2) § 63.655(f)(4) § 63.655(g) § 63.655(g)(6) § 63.655(h) § 63.655(h)(1) |
| D-1185 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.722(d) § 115.722(d)(1) § 115.722(d)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(n) | § 115.726(d)(1) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | § 115.725(n) |
| D-1185 | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(B) § 60.18 | No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with | [G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) | § 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | §115.122(a)(1) of this title. | | | |
| D-1185 | EP | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.643(a) § 63.11(b) § 63.643(a)(1) | The owner or operator of a Group 1 miscellaneous process vent as defined in §63.641 shall comply with the requirements of either §63.643(a)(1)-(2). | § 63.116(a)(2) § 63.116(a)(3) § 63.644(a) § 63.644(a)(2) § 63.644(e) § 63.645(a) § 63.645(i) | § 63.642(e) § 63.655(h)(1) § 63.655(i)(5) | § 63.642(f) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(ii) [G]§ 63.655(f)(1)(iv) [G]§ 63.655(f)(2) § 63.655(f)(4) § 63.655(g) § 63.655(g)(6) § 63.655(h) § 63.655(h)(1) |
| D-1188 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.722(d) § 115.722(d)(1) § 115.722(d)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(n) | § 115.726(d)(1) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | § 115.725(n) |
| D-1188 | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(B) § 60.18 | No person may allow a vent gas stream containing VOC to be emitted from any | [G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) | § 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title. | | | |
| D-1188 | EP | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.643(a) § 63.11(b) § 63.643(a)(1) | The owner or operator of a Group 1 miscellaneous process vent as defined in §63.641 shall comply with the requirements of either §63.643(a)(1)-(2). | § 63.116(a)(2) § 63.116(a)(3) § 63.644(a) § 63.644(a)(2) § 63.644(e) § 63.645(a) § 63.645(i) | § 63.642(e) § 63.655(h)(1) § 63.655(i)(5) | § 63.642(f) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(ii) [G]§ 63.655(f)(1)(iv) [G]§ 63.655(f)(2) § 63.655(f)(4) § 63.655(g) § 63.655(g)(6) § 63.655(h) § 63.655(h)(1) |
| D-1193 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.722(d) § 115.722(d)(1) § 115.722(d)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(n) | § 115.726(d)(1) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | § 115.725(n) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| D-1193 | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(B) § 60.18 | No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title. | [G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) | § 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2) | None |
| D-1193 | EP | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.643(a) § 63.11(b) § 63.643(a)(1) | The owner or operator of a Group 1 miscellaneous process vent as defined in §63.641 shall comply with the requirements of either §63.643(a)(1)-(2). | § 63.116(a)(2) § 63.116(a)(3) § 63.644(a) § 63.644(a)(2) § 63.644(e) § 63.645(a) § 63.645(i) | § 63.642(e) § 63.655(h)(1) § 63.655(i)(5) | § 63.642(f) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(ii) [G]§ 63.655(f)(1)(iv) [G]§ 63.655(f)(2) § 63.655(f)(4) § 63.655(g) § 63.655(g)(6) § 63.655(h) § 63.655(h)(1) |
| D-13-1280 | EU | R5131-1 | VOC | 30 TAC Chapter 115, Water Separation | § 115.132(a)(1) | VOC water separators must have each compartment totally enclosed with all openings sealed. Gauging and sampling devices shall be vapor-tight except during use. | [G]§ 115.135(a) § 115.136(a)(3) § 115.136(a)(4) ** See Periodic Monitoring Summary | § 115.136(a)(3) § 115.136(a)(4) | None |
| D-13-1281 | EU | R5131-1 | VOC | 30 TAC Chapter 115, Water Separation | § 115.132(a)(1) | VOC water separators must have each compartment totally enclosed with all openings sealed. | [G]§ 115.135(a) § 115.136(a)(3) § 115.136(a)(4) ** See Periodic Monitoring Summary | § 115.136(a)(3) § 115.136(a)(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) |
|---------------------------|-------------------------|---------------|-----------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | Gauging and sampling devices shall be vapor-tight except during use. | | | |
| D-15-1208 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | § 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) § 115.142(1)(H) § 115.147(7)(A) [G]§ 115.148 | The wastewater component shall meet the specified control requirements. | [G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(A) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | [G]§ 115.142(1)(H) § 115.144(3)(A) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |
| D-292 | EU | R5131-1 | VOC | 30 TAC Chapter 115, Water Separation | § 115.132(a)(1) | VOC water separators must have each compartment totally enclosed with all openings sealed. Gauging and sampling devices shall be vapor-tight except during use. | [G]§ 115.135(a) § 115.136(a)(3) § 115.136(a)(4) ** See Periodic Monitoring Summary | § 115.136(a)(3) § 115.136(a)(4) | None |
| D-30 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | § 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) § 115.142(1)(H) | The wastewater component shall meet the specified control requirements. | [G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(E) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) | [G]§ 115.142(1)(H) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 115.147(7)(A) [G]§ 115.148 § 60.18(b) | | [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | | |
| D-486 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | § 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) § 115.142(1)(H) § 115.147(7)(A) [G]§ 115.148 § 60.18(b) | The wastewater component shall meet the specified control requirements. | [G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(E) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | [G]§ 115.142(1)(H) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |
| D-51 | EU | R5131-1 | VOC | 30 TAC Chapter 115, Water Separation | § 115.132(a)(1) | VOC water separators must have each compartment totally enclosed with all openings sealed. Gauging and sampling devices shall be vapor-tight except during use. | [G]§ 115.135(a) § 115.136(a)(3) § 115.136(a)(4) ** See Periodic Monitoring Summary | § 115.136(a)(3) § 115.136(a)(4) | None |
| D-606 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is | [G]§ 115.117 ** See Periodic Monitoring Summary | § 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | | | |
| D-624 | EU | R5112-1 | 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 |
| D-667 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(C) § 60.18 | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or | § 115.115(a) § 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117 | § 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------|-------------------------------------------|
| | | | | | | is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | | | |
| D-768 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | [G]§ 115.117 ** See Periodic Monitoring Summary | § 115.118(a)(5) § 115.118(a)(7) | None |
| D-809 | EU | R5131-1 | VOC | 30 TAC Chapter 115, Water Separation | § 115.132(a)(1) | VOC water separators must have each | [G]§ 115.135(a) § 115.136(a)(3) § 115.136(a)(4) | § 115.136(a)(3) § 115.136(a)(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------|
| | | | | | | compartment totally enclosed with all openings sealed. Gauging and sampling devices shall be vapor-tight except during use. | ** See Periodic Monitoring Summary | | |
| D-810 | EU | R5131-1 | VOC | 30 TAC Chapter 115, Water Separation | § 115.132(a)(1) | VOC water separators must have each compartment totally enclosed with all openings sealed. Gauging and sampling devices shall be vapor-tight except during use. | [G]§ 115.135(a) § 115.136(a)(3) § 115.136(a)(4) ** See Periodic Monitoring Summary | § 115.136(a)(3) § 115.136(a)(4) | None |
| D-861 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for | [G]§ 115.117 ** See Periodic Monitoring Summary | § 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) |
|---------------------------|-------------------------|---------------|-----------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | crude oil and condensate. | | | |
| D-912 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | § 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) § 115.142(1)(H) § 115.147(7)(A) [G]§ 115.148 | The wastewater component shall meet the specified control requirements. | [G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(H) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | [G]§ 115.142(1)(H) § 115.144(3)(H) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |
| D-961 | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2) | A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1). | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| D-961 | 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 < 612 ppmv is exempt from § 115.121(a)(1). | [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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| D-961 | EP | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(1) | All miscellaneous process vents from petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | [G]§ 63.645(g) § 63.645(h) § 63.645(h)(1) § 63.645(h)(2) | § 63.655(g)(7)(ii) § 63.655(i)(5) | § 63.645(h)(2) § 63.655(f) § 63.655(f)(1)(ii) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) |
| D-973 | EP | R1111-1 | 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 |
| D-973 | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2) | A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1). | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| D-973 | 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 < 612 ppmv is exempt from § | [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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------|-------------------------------------------|
| | | | | | | 115.121(a)(1). | | | |
| D-974 | EP | R1111-1 | 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 |
| D-974 | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2) | A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1). | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| D-974 | 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 < 612 ppmv is exempt from § 115.121(a)(1). | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| D-975 | EP | R1111-1 | 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 | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------|-------------------------------------------|
| | | | | | | any source on which construction was begun after January 31, 1972. | | | |
| D-975 | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2) | A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1). | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| D-975 | 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 < 612 ppmv is exempt from § 115.121(a)(1). | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| D-976 | EP | R1111-1 | 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 |
| D-976 | 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 | [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) |
|---------------------------|-------------------------|---------------|-----------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1). | | | |
| D-976 | 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 < 612 ppmv is exempt from § 115.121(a)(1). | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| D-978 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | § 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) § 115.142(1)(H) § 115.147(7)(A) [G]§ 115.148 | The wastewater component shall meet the specified control requirements. | [G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(H) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | [G]§ 115.142(1)(H) § 115.144(3)(H) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |
| D-980 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | § 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) | The wastewater component shall meet the specified control requirements. | [G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(H) § 115.144(5) § 115.145 § 115.145(1) | [G]§ 115.142(1)(H) § 115.144(3)(H) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------|
| | | | | | § 115.142(1)(G) § 115.142(1)(H) § 115.147(7)(A) [G]§ 115.148 | | § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | | |
| D-CHEM1 | EU | R5112-1 | 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 |
| D-CHEM2 | EU | R5112-1 | 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 |
| DE-24 | EP | R1111-1 | 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 |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| DE-24 | EU | R7ICI-1 | EXEMPT | 30 TAC Chapter 117, Subchapter B | § 117.303(a)(6)(D) [G]§ 117.310(f) | Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average. | None | § 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6) | None |
| DE-24 | EU | 63ZZZZ-1 | 112(B) HAPS | 40 CFR Part 63, Subpart ZZZZ | § 63.6602 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart ZZZZ | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart ZZZZ | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart ZZZZ | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart ZZZZ | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart ZZZZ |
| DE-27 | EP | R1111-1 | 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 | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------|
| | | | | | | an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972. | | | |
| DE-27 | EU | R7ICI-1 | EXEMPT | 30 TAC Chapter 117, Subchapter B | § 117.303(a)(6)(D) [G]§ 117.310(f) | Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average. | None | § 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6) | None |
| DE-31 | EP | R1111-1 | 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 | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| | | | | | | any source on which construction was begun after January 31, 1972. | | | |
| DE-31 | EU | R7ICI-1 | EXEMPT | 30 TAC Chapter 117, Subchapter B | § 117.303(a)(6)(D) [G]§ 117.310(f) | Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include stationary gas turbines and stationary internal combustion engines that are used exclusively in emergency situations, except that operation for testing or maintenance purposes is allowed for up to 52 hours per year, based on a rolling 12-month average. | None | § 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6) | None |
| DE-31 | EU | 63ZZZZ-1 | 112(B) HAPS | 40 CFR Part 63, Subpart ZZZZ | § 63.6602 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart ZZZZ | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart ZZZZ | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart ZZZZ | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart ZZZZ |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------|
| | | | | | ZZZZ | | | | |
| DE-7 | EP | R1111-1 | 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 |
| DE-7 | EU | R7ICI-1 | EXEMPT | 30 TAC Chapter 117, Subchapter B | [G]§ 117.303(a)(10) [G]§ 117.310(f) | Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include any stationary diesel engine placed into service before October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average; and has not been modified, reconstructed, or relocated on or after October 1, 2001. §117.303(a)(10)(A)-(B) | None | § 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6) | None |
| DE-8 | EP | R1111-1 | OPACITY | 30 TAC Chapter | § 111.111(a)(1)(B) | Visible emissions | [G]§ 111.111(a)(1)(F) | 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------|
| | | | | 111, Visible Emissions | § 111.111(a)(1)(E) | 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. | ** See Periodic Monitoring Summary | | |
| DE-8 | EU | R7ICI-1 | EXEMPT | 30 TAC Chapter 117, Subchapter B | [G]§ 117.303(a)(10) [G]§ 117.310(f) | Units exempted from the provisions of this division, except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1), and 117.354(a)(5), include any stationary diesel engine placed into service before October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average; and has not been modified, reconstructed, or relocated on or after October 1, 2001. §117.303(a)(10)(A)-(B) | None | § 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6) | None |
| DE-ADMIN | EP | R1111-1 | 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% | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------|-------------------------------------------|
| | | | | | | averaged over a six minute period for any source on which construction was begun after January 31, 1972. | | | |
| DE-ADMIN | EU | R7ICI-1 | EXEMPT | 30 TAC Chapter 117, Subchapter B | [G]§ 117.303(a)(11) [G]§ 117.310(f) | Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B) | None | § 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6) | None |
| DE-ADMIN | EU | 63ZZZZ-1 | EXEMPT | 40 CFR Part 63, Subpart ZZZZ | § 63.6590(b)(1) § 63.6595(c) § 63.6605(b) | An affected source which meets either of the criteria in | None | None | § 63.6645(c) § 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------|
| | | | | | [G]§ 63.6640(f)(2) | paragraph (b)(1)(i) through (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). | | | |
| DE-AIR1 | EP | R1111-1 | 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 |
| DE-AIR1 | EU | R7ICI-1 | EXEMPT | 30 TAC Chapter 117, Subchapter B | [G]§ 117.303(a)(11) [G]§ 117.310(f) | Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates | None | § 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------|----------------------------------------------|
| | | | | | | less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B) | | | |
| DE-AIR1 | EU | 6oIII-1 | CO | 40 CFR Part 60, Subpart III | § 60.4205(b) § 60.4202(e)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 94.8(a)(2) | Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a displacement of greater than or equal to 10 liters per cylinder and less than 30 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(e)-(f) and 40 CFR 94.8(a)(2) and 40 CFR 1042.101. | None | None | [G]§ 60.4214(d) |
| DE-AIR1 | EU | 6oIII-1 | Total Hydrocarbons/NO | 40 CFR Part 60, Subpart III | § 60.4205(b) § 60.4202(e)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) | Owners and operators of emergency stationary CI ICE, that are not fire | None | None | [G]§ 60.4214(d) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------|-------------------------------------------|
| | | | | | § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 94.8(a)(2) | pump engines, with a displacement of greater than or equal to 10 liters per cylinder and less than 15 liters per cylinder and is a 2007 - 2012 model year must comply with a THC+NOx emission limit of 7.8 g/KW-hr, as stated in 40 CFR 60.4202(e)(1) and 40 CFR 94.8(a)(2). | | | |
| DE-AIR1 | EU | 60III-1 | PM | 40 CFR Part 60, Subpart III | § 60.4205(b) § 60.4202(e)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 94.8(a)(2) | Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a displacement of greater than or equal to 10 liters per cylinder and less than 15 liters per cylinder and is a 2007 - 2012 model year must comply with a PM emission limit of 0.27 g/KW-hr, as stated in 40 CFR 60.4202(e)(1) and 40 CFR 94.8(a)(2). | None | None | [G]§ 60.4214(d) |
| DE-AIR1 | EU | 63ZZZ-1 | EXEMPT | 40 CFR Part 63, Subpart ZZZZ | § 63.6590(b)(1) § 63.6595(c) § 63.6605(b) | An affected source which meets either of the criteria in | None | None | § 63.6645(c) § 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------|
| | | | | | [G]§ 63.6640(f)(1) | paragraph (b)(1)(i) through (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). | | | |
| DE-AIR2 | EP | R1111-1 | 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 |
| DE-AIR2 | EU | R7ICI-1 | EXEMPT | 30 TAC Chapter 117, Subchapter B | [G]§ 117.303(a)(11) [G]§ 117.310(f) | Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates | None | § 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------|-------------------------------------------|
| | | | | | | less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B) | | | |
| DE-AIR2 | EU | 6oIII-1 | CO | 40 CFR Part 60, Subpart III | § 60.4205(b) § 60.4202(e)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 94.8(a)(2) | Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a displacement of greater than or equal to 10 liters per cylinder and less than 30 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(e)-(f) and 40 CFR 94.8(a)(2) and 40 CFR 1042.101. | None | None | [G]§ 60.4214(d) |
| DE-AIR2 | EU | 6oIII-1 | Total Hydrocarbons/NO | 40 CFR Part 60, Subpart III | § 60.4205(b) § 60.4202(e)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) | Owners and operators of emergency stationary CI ICE, that are not fire | None | None | [G]§ 60.4214(d) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------|-------------------------------------------|
| | | | | | § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 94.8(a)(2) | pump engines, with a displacement of greater than or equal to 10 liters per cylinder and less than 15 liters per cylinder and is a 2007 - 2012 model year must comply with a THC+NOx emission limit of 7.8 g/KW-hr, as stated in 40 CFR 60.4202(e)(1) and 40 CFR 94.8(a)(2). | | | |
| DE-AIR2 | EU | 60III-1 | PM | 40 CFR Part 60, Subpart III | § 60.4205(b) § 60.4202(e)(1) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 94.8(a)(2) | Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a displacement of greater than or equal to 10 liters per cylinder and less than 15 liters per cylinder and is a 2007 - 2012 model year must comply with a PM emission limit of 0.27 g/KW-hr, as stated in 40 CFR 60.4202(e)(1) and 40 CFR 94.8(a)(2). | None | None | [G]§ 60.4214(d) |
| DE-AIR2 | EU | 63ZZZ-1 | EXEMPT | 40 CFR Part 63, Subpart ZZZZ | § 63.6590(b)(1) § 63.6595(c) § 63.6605(b) | An affected source which meets either of the criteria in | None | None | § 63.6645(c) § 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------|
| | | | | | [G]§ 63.6640(f)(1) | paragraph (b)(1)(i) through (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). | | | |
| DE-GUARD | EP | R1111-1 | 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 |
| DE-GUARD | EU | R7ICI-1 | EXEMPT | 30 TAC Chapter 117, Subchapter B | [G]§ 117.303(a)(11) [G]§ 117.310(f) | Units exempted from the provisions of this division except as specified in §§117.310(f), 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates | None | § 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| | | | | | | less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B) | | | |
| DE-GUARD | EU | 63ZZZZ-1 | 112(B) HAPS | 40 CFR Part 63, Subpart ZZZZ | § 63.6602 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart ZZZZ | The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart ZZZZ | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart ZZZZ | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart ZZZZ | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart ZZZZ |
| DE-SERVICE | EP | R1111-1 | 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 |
| DE-SERVICE | EU | R7ICI-1 | EXEMPT | 30 TAC Chapter 117, Subchapter B | [G]§ 117.303(a)(11) [G]§ 117.310(f) | Units exempted from the provisions of this division except as specified in §§117.310(f), | None | § 117.340(j) [G]§ 117.345(f)(10) [G]§ 117.345(f)(6) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------|
| | | | | | | 117.340(j), 117.345(f)(6) and (10), 117.350(c)(1) and 117.354(a)(5) include new, modified, reconstructed, or relocated stationary diesel engine placed into service on or after October 1, 2001, that operates less than 100 hours per year, based on a rolling 12-month average, in other than emergency situations; and meets the requirements for non-road engines as specified. §117.303(a)(11)(A)-(B) | | | |
| DE-SERVICE | EU | 6oIII-1 | NO _x | 40 CFR Part 60, Subpart III | [G]§ 60.4205(d)(2) § 60.4206 § 60.4207(d) § 60.4211(d) [G]§ 60.4211(f) § 60.4218 | Owners and operators of emergency stationary CI ICE with a displacement of greater than or equal to 30 liters per cylinder and was installed on or after 01/01/2012 must comply with the following NO _x emission limits: 14.4 g/KW-hr when maximum engine | § 60.4211(d)(1) § 60.4213(a) § 60.4213(b) § 60.4213(c) § 60.4213(e) | [G]§ 60.4211(d)(2) | [G]§ 60.4211(d)(2) [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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------|
| | | | | | | speed is less than 130 rpm, 44.0 x N-0.23 when maximum engine speed is at least 130 but less than 2000 rpm, and 7.7 g/KW-hr when maximum engine speed is 2000 rpm or more. | | | |
| DE-SERVICE | EU | 6oIII-1 | PM | 40 CFR Part 60, Subpart III | § 60.4205(d)(3) § 60.4206 § 60.4207(d) § 60.4211(d) [G]§ 60.4211(f) § 60.4218 | Owners and operators of emergency stationary CI ICE with a displacement of greater than or equal to 30 liters per cylinder must comply with a PM emission limit of 0.40 g/KW-hr. | § 60.4211(d)(1) § 60.4213(a) § 60.4213(b) § 60.4213(c) § 60.4213(f) | [G]§ 60.4211(d)(2) | [G]§ 60.4211(d)(2) [G]§ 60.4214(d) |
| DE-SERVICE | EU | 63ZZZ-1 | EXEMPT | 40 CFR Part 63, Subpart ZZZZ | § 63.6590(b)(1) § 63.6595(c) § 63.6605(b) [G]§ 63.6640(f)(1) | An affected source which meets either of the criteria in paragraph (b)(1)(i) through (ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the initial notification requirements of § 63.6645(f). | None | None | § 63.6645(c) § 63.6645(f) |
| DE-T-095 | EP | R1111-1 | OPACITY | 30 TAC Chapter 111, Visible | § 111.111(a)(1)(B) § 111.111(a)(1)(E) | Visible emissions from any stationary | [G]§ 111.111(a)(1)(F) ** See Periodic | 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) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | Emissions | | 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. | Monitoring Summary | | |
| DE-T-095 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(9)(E)(iv)(II I) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) [G]§ 117.310(f) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(h) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.345(f)(3)(A) § 117.345(f)(3)(A)(ii) § 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) § 117.8140(a) § 117.8140(a)(1) § 117.8140(a)(2) § 117.8140(a)(2)(A) [G]§ 117.8140(a)(2)(B) § 117.8140(b) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(10) § 117.345(f)(3) § 117.345(f)(3)(B) § 117.345(f)(9) | § 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |
| DE-T-095 | EU | R7ICI-1 | CO | 30 TAC Chapter | § 117.310(c)(1) | CO emissions must | [G]§ 117.335(a)(1) | § 117.345(a) | § 117.335(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | 117, Subchapter B | § 117.310(c)(1)(B) | not exceed 3.0 g/hp-hr for stationary internal combustion engines. | § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(h) § 117.345(f)(3) § 117.345(f)(3)(A) § 117.345(f)(3)(A)(ii) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120 § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B) § 117.8140(a) § 117.8140(a)(1) § 117.8140(a)(2) § 117.8140(a)(2)(A) [G]§ 117.8140(a)(2)(B) § 117.8140(b) | § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(10) § 117.345(f)(9) | § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |
| DE-T-095 | EU | 60III-1 | CO | 40 CFR Part 60, Subpart III | § 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a) | Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a | None | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|--------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------|-------------------------------------------|
| | | | | | | 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102 and 40 CFR 1039.101. | | | |
| DE-T-095 | EU | 6oIII-1 | NMHC and NO _x | 40 CFR Part 60, Subpart III | § 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a) | Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 56 KW but less than 75 KW and a displacement of less than 10 liters per cylinder and is a 2008 - 2013 model year must comply with an NMHC+NO _x emission limit of 4.7 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR 1039.102. | None | None | None |
| DE-T-095 | EU | 6oIII-1 | PM (OPACITY) | 40 CFR Part 60, Subpart III | § 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 | Owners and operators of non-emergency stationary CI ICE with a displacement of less than 10 liters per cylinder and is | 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------|-------------------------------------------|
| | | | | | § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3) | not a constant-speed engine and is a 2007 model year and later must comply with the following opacity emission limits: 20% during the acceleration mode, 15% during the lugging mode, and 50% during the peaks in either the acceleration or lugging modes as stated in 40 CFR 60.4201(a)-(c) and 40 CFR 89.113(a)(1)-(3) and 40 CFR 1039.105(b)(1)-(3). | | | |
| DE-T-095 | EU | 60III-1 | PM | 40 CFR Part 60, Subpart III | § 60.4204(b) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218 § 89.112(a) | Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 56 KW and less than 75 KW and a displacement of less than 10 liters per cylinder and is a 2008 - 2011 model year must comply with a PM emission limit of 0.40 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 89.112(a) and 40 CFR | 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) |
|---------------------------|-------------------------|---------------|-------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------|
| | | | | | | 1039.102. | | | |
| DE-T-095 | EU | 63ZZZZ-1 | 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 |
| DOCK-16 | EU | R5211-1 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(5)(B) § 115.212(a)(6)(D) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(iii) | The marine vessel transfer operations specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of §§ 115.212(a), 115.214(a), and 115.216 of this title, except as noted. | § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) § 115.215 § 115.215(4) | § 115.216 § 115.216(2) | None |
| DOCK-16 | EU | R5211-1 | VOC | 30 TAC Chapter | § 115.217(a)(5)(B) | The marine vessel | § 115.214(a)(3)(B) | § 115.216 | 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, Loading and Unloading of VOC | § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(i) | transfer operations specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of §§ 115.212(a), 115.214(a), and 115.216 of this title, except as noted. | § 115.214(a)(3)(B)(i) | § 115.216(2) | |
| DOCK-16 | EU | R5211-2 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(5)(B) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(i) | The marine vessel transfer operations specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of §§ 115.212(a), 115.214(a), and 115.216 of this title, except as noted. | § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) | § 115.216 § 115.216(2) | None |
| DOCK-16 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.651(a) | Except as provided in §63.651(b)-(d), 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 §63.567. | § 63.642(d)(1) § 63.642(d)(3) § 63.642(d)(4) | § 63.642(e) § 63.655(c) § 63.655(i)(5) | § 63.642(d)(2) § 63.642(f) § 63.655(c) |
| DOCK-20 | EU | R5211-1 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(5)(B) § 115.212(a)(6)(D) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(iii) | The marine vessel transfer operations specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of §§ 115.212(a), | § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) § 115.215 § 115.215(4) | § 115.216 § 115.216(2) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | 115.214(a), and 115.216 of this title, except as noted. | | | |
| DOCK-20 | EU | R5211-1 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(5)(B) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(i) | The marine vessel transfer operations specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of §§ 115.212(a), 115.214(a), and 115.216 of this title, except as noted. | § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) | § 115.216 § 115.216(2) | None |
| DOCK-20 | EU | R5211-2 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.212(a)(6)(A) § 115.212(a)(6)(B) [G]§ 115.212(a)(6)(C) § 115.212(a)(6)(D) [G]§ 115.214(a)(3)(A) § 115.214(a)(3)(C) § 115.214(a)(3)(D) § 115.214(a)(3)(E) | Emissions shall not exceed 0.09lb/1,000gal loaded, or the vapor control system shall maintain a control efficiency of at least 90%, or a vapor balance system or pressurized loading may be used. | [G]§ 115.214(a)(3)(A) § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) § 115.214(a)(3)(B)(ii) § 115.214(a)(3)(B)(iii) § 115.214(a)(3)(D) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) § 115.215(4) § 115.215(5) § 115.215(7) § 115.215(8) § 115.215(9) § 115.216(1) § 115.216(1)(A) § 115.216(1)(A)(iv) | [G]§ 115.214(a)(3)(A) § 115.214(a)(3)(D) § 115.216 § 115.216(1) § 115.216(1)(A) § 115.216(1)(A)(iv) § 115.216(2) [G]§ 115.216(4) | None |
| DOCK-20 | EU | R5211-2 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(5)(B) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(ii) | The marine vessel transfer operations specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of | § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) § 115.215 § 115.215(1) [G]§ 115.215(2) | § 115.216 § 115.216(2) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------|----------------------------------------------|
| | | | | | | §§ 115.212(a), 115.214(a), and 115.216 of this title, except as noted. | | | |
| DOCK-20 | EU | R5211-2 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(5)(B) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(i) | The marine vessel transfer operations specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of §§ 115.212(a), 115.214(a), and 115.216 of this title, except as noted. | § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) | § 115.216 § 115.216(2) | None |
| DOCK-20 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.651(a) | Except as provided in §63.651(b)-(d), 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 §63.567. | § 63.642(d)(1) § 63.642(d)(3) § 63.642(d)(4) | § 63.642(e) § 63.655(c) § 63.655(i)(5) | § 63.642(d)(2) § 63.642(f) § 63.655(c) |
| DOCK-20 | EU | 63Y-1 | EXEMPT | 40 CFR Part 63, Subpart Y | § 63.560(a)(2) § 153.282 § 63.560(a)(4) | Existing sources with emissions less than 10 and 25 tons must meet the submerged fill standards of 46 CFR 153.282. This submerged fill requirement does not apply to petroleum refineries. | § 63.565(l) | § 63.567(j)(4) | None |
| DOCK-22 | EU | R5211-1 | VOC | 30 TAC Chapter | § 115.217(a)(5)(B) | The marine vessel | § 115.214(a)(3)(B) | § 115.216 | 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, Loading and Unloading of VOC | § 115.212(a)(6)(D) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(iii) | transfer operations specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of §§ 115.212(a), 115.214(a), and 115.216 of this title, except as noted. | § 115.214(a)(3)(B)(i) § 115.215 § 115.215(4) | § 115.216(2) | |
| DOCK-22 | EU | R5211-1 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(5)(B) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(i) | The marine vessel transfer operations specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of §§ 115.212(a), 115.214(a), and 115.216 of this title, except as noted. | § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) | § 115.216 § 115.216(2) | None |
| DOCK-22 | EU | R5211-2 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.212(a)(6)(A) § 115.212(a)(6)(B) [G]§ 115.212(a)(6)(C) § 115.212(a)(6)(D) [G]§ 115.214(a)(3)(A) § 115.214(a)(3)(C) § 115.214(a)(3)(D) § 115.214(a)(3)(E) | Emissions shall not exceed 0.09lb/1,000gal loaded, or the vapor control system shall maintain a control efficiency of at least 90%, or a vapor balance system or pressurized loading may be used. | [G]§ 115.214(a)(3)(A) § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) § 115.214(a)(3)(B)(ii) § 115.214(a)(3)(B)(iii) § 115.214(a)(3)(D) § 115.215 § 115.215(1) § 115.215(10) [G]§ 115.215(2) § 115.215(4) § 115.215(5) § 115.215(7) § 115.215(8) § 115.215(9) § 115.216(1) § 115.216(1)(A) § 115.216(1)(A)(iv) | [G]§ 115.214(a)(3)(A) § 115.214(a)(3)(D) § 115.216 § 115.216(1) § 115.216(1)(A) § 115.216(1)(A)(iv) § 115.216(2) [G]§ 115.216(4) | 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) |
|---------------------------|-------------------------|---------------|-------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------|
| DOCK-22 | EU | R5211-2 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(5)(B) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(ii) | The marine vessel transfer operations specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of §§ 115.212(a), 115.214(a), and 115.216 of this title, except as noted. | § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) § 115.215 § 115.215(1) [G]§ 115.215(2) | § 115.216 § 115.216(2) | None |
| DOCK-22 | EU | R5211-2 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(5)(B) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(i) | The marine vessel transfer operations specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of §§ 115.212(a), 115.214(a), and 115.216 of this title, except as noted. | § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) | § 115.216 § 115.216(2) | None |
| DOCK-22 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.651(a) | Except as provided in §63.651(b)-(d), 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 §63.567. | § 63.642(d)(1) § 63.642(d)(3) § 63.642(d)(4) | § 63.642(e) § 63.655(c) § 63.655(i)(5) | § 63.642(d)(2) § 63.642(f) § 63.655(c) |
| DOCK-22 | EU | 63Y-1 | EXEMPT | 40 CFR Part 63, Subpart Y | § 63.560(a)(2) § 153.282 § 63.560(a)(4) | Existing sources with emissions less than 10 and 25 tons must meet the submerged fill standards of 46 CFR 153.282. This | § 63.565(l) | § 63.567(j)(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) |
|---------------------------|-------------------------|---------------|-----------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------|
| | | | | | | submerged fill requirement does not apply to petroleum refineries. | | | |
| DOCK-40 | EU | R5211-2 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(5)(B) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(i) | The marine vessel transfer operations specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of §§ 115.212(a), 115.214(a), and 115.216 of this title, except as noted. | § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) | § 115.216 § 115.216(2) | None |
| DOCK-41 | EU | R5211-2 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(5)(B) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(i) | The marine vessel transfer operations specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of §§ 115.212(a), 115.214(a), and 115.216 of this title, except as noted. | § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) | § 115.216 § 115.216(2) | None |
| DOCK-56 | EU | R5211-1 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(5)(B) § 115.212(a)(6)(D) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(iii) | The marine vessel transfer operations specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of §§ 115.212(a), 115.214(a), and 115.216 of this title, except as noted. | § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) § 115.215 § 115.215(4) | § 115.216 § 115.216(2) | None |
| DOCK-56 | EU | R5211-1 | VOC | 30 TAC Chapter 115, Loading and | § 115.217(a)(5)(B) § 115.214(a)(3)(C) | The marine vessel transfer operations | § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) | § 115.216 § 115.216(2) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------|
| | | | | Unloading of VOC | § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(i) | specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of §§ 115.212(a), 115.214(a), and 115.216 of this title, except as noted. | | | |
| DOCK-56 | EU | R5211-2 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(5)(B) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(i) | The marine vessel transfer operations specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of §§ 115.212(a), 115.214(a), and 115.216 of this title, except as noted. | § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) | § 115.216 § 115.216(2) | None |
| DOCK-56 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.651(a) | Except as provided in §63.651(b)-(d), 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 §63.567. | § 63.642(d)(1) § 63.642(d)(3) § 63.642(d)(4) | § 63.642(e) § 63.655(c) § 63.655(i)(5) | § 63.642(d)(2) § 63.642(f) § 63.655(c) |
| DOCK-57 | EU | R5211-1 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(5)(B) § 115.212(a)(6)(D) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(iii) | The marine vessel transfer operations specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of §§ 115.212(a), 115.214(a), and | § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) § 115.215 § 115.215(4) | § 115.216 § 115.216(2) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------|
| | | | | | | 115.216 of this title, except as noted. | | | |
| DOCK-57 | EU | R5211-1 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(5)(B) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(i) | The marine vessel transfer operations specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of §§ 115.212(a), 115.214(a), and 115.216 of this title, except as noted. | § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) | § 115.216 § 115.216(2) | None |
| DOCK-57 | EU | R5211-2 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(5)(B) § 115.214(a)(3)(C) § 115.214(a)(3)(G) § 115.214(a)(3)(G)(i) § 115.217(a)(5)(B)(i) | The marine vessel transfer operations specified in § 115.217(a)(5)(B)(i)-(iv) are exempt from the requirements of §§ 115.212(a), 115.214(a), and 115.216 of this title, except as noted. | § 115.214(a)(3)(B) § 115.214(a)(3)(B)(i) | § 115.216 § 115.216(2) | None |
| DOCK-57 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.651(a) | Except as provided in §63.651(b)-(d), 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 §63.567. | § 63.642(d)(1) § 63.642(d)(3) § 63.642(d)(4) | § 63.642(e) § 63.655(c) § 63.655(i)(5) | § 63.642(d)(2) § 63.642(f) § 63.655(c) |
| D-SERVICE | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.111(a)(1) | Except as provided in § 115.118, a storage tank storing | [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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| | | | | | | VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division. | | | |
| F-01 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | None | § 115.786(e) § 115.786(g) | None |
| F-01 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) | Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, | § 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) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-01 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) | Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | screening concentration greater than 500 ppmv above background as methane for all components. | | [G]§ 115.788(g) | |
| F-01 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| F-01 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B) |
| F-01 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) | Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) | § 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) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-01 | EU | R5352-1-14 | 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 |
| F-01 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(11) | Sampling connection systems, as defined in 40 CFR §63.161 | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | (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. | | | |
| F-01 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | None | § 115.356 § 115.356(3) [G]§ 115.356(3)(C) | None |
| F-01 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) | No process drains 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 dropping 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 |
| F-01 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) | No pressure relief valves shall be allowed to have a VOC leak, for more | § 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) | § 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)(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) | than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1) | § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-01 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-01 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) | No open-ended valves or lines 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) [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(5) § 115.352(6) § 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 dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-01 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-01 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 | § 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) [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) | dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-01 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-01 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| F-01 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 § 115.357(1) | § 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 |
| F-01 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-01 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) | No pump seals 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) | § 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) § 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) | exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dropping 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) | |
| F-01 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-01 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(d) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) | None |
| F-01 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 | Comply with the specified 40 CFR Part 60, Subpart VV requirements for | [G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) | [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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2) | pumps in light liquid service complying with §60.482-2. | [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(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5) | |
| F-01 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3. | [G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [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) [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-01 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements 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) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-01 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection systems complying | § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | [G]§ 60.486(a) § 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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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(d)(2) | with §60.482-5. | | § 63.655(i)(5) | |
| F-01 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) [G]§ 63.648(b) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-01 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 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(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(g) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) |
| F-01 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-01 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| | | | | | § 63.655(d)(2) | complying with §60.482-8. | | § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | |
| F-01 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-01 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-01 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D) |
| F-01 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems | [G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | [G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [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) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | complying with §60.482-10. | | § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | |
| F-02 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | None | § 115.786(e) § 115.786(g) | None |
| F-02 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(d) § 115.780(b) [G]§ 115.781(a) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § | All pumps that are equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal are exempt from the monitoring requirement of §115.781(b) and (c). Submerged pumps or sealless pumps may be used to satisfy the requirements of this subsection. | § 115.782(d)(2) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III)) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) § 115.787(g) | | | | |
| F-02 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(d) § 115.780(b) [G]§ 115.781(a) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III)) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) | All compressors that are equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal are exempt from the monitoring requirement of §115.781(b) and (c). Submerged pumps or sealless pumps may be used to satisfy the requirements of this subsection. | § 115.782(d)(2) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(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]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) § 115.787(g) | | | | |
| F-02 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 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) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) |
| F-02 | EU | R5780-1 - | HIGHLY | 30 TAC Chapter | § 115.781(b)(9) | Valves within a | § 115.354(1) | § 115.354(10) | § 115.782(c)(2)(A)(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| | | 10 | REACTIVE VOC | 115, HRVOC Fugitive Emissions | § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) |
| F-02 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) | Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline | § 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) | § 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) § 115.781(b)(10) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | |
| F-02 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § | Compressor seals within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) | [G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III)) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) | defined as a screening concentration greater than 500 ppmv above background as methane for all components. | | § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(c) § 115.786(g) | |
| F-02 | EU | R5780-1-10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III)) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) | Pump seals within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| F-02 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B) |
| F-02 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) | Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) | § 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) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-02 | EU | R5352-1-15 | 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 |
| F-02 | EU | R5352-1-15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(11) | Sampling connection systems, as defined in 40 CFR §63.161 | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | (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. | | | |
| F-02 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | None | § 115.356 § 115.356(3) [G]§ 115.356(3)(C) | None |
| F-02 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) | No process drains 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 dropping 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 |
| F-02 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) | No pressure relief valves shall be allowed to have a VOC leak, for more | § 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) | § 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)(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) | than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1) | § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-02 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-02 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) | No open-ended valves or lines 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) [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(5) § 115.352(6) § 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 dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-02 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-02 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 | § 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) [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) | dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-02 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-02 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| F-02 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 § 115.357(1) | § 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 |
| F-02 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-02 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) | No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) | § 115.352(7) § 115.354(10) § 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(12) § 115.357(8) | exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | § 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) | |
| F-02 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-02 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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) | No pump seals 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 | § 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(7) § 115.357(1) § 115.357(8) | methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-02 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-02 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(d) | Comply with the requirements as stated in §60.482-1(d) for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) | None |
| F-02 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 | Comply with the requirements as stated in §60.482-2 for pumps in light-liquid service. | [G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d) | [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) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| F-02 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 | Comply with the requirements as stated in §60.482-3 for compressors. | [G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | [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) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-02 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-4 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-4 for pressure relief devices in gas/vapor service. | [G]§ 60.482-4 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-02 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 | 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) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-02 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 | 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) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-02 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 60.592(b) | Comply with the requirements in as stated in §60.482-7 for valves in gas/vapor or light-liquid service. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) | [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(g) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) [G]§ 60.487(d) § 60.487(e) § 60.592(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| | | | | | | | § 60.592(d) § 60.593(d) | § 60.486(j) § 60.592(e) | |
| F-02 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for pumps in heavy-liquid service. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-02 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) | Comply with the requirements in as stated in §60.482-10 for flares. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-02 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for valves in heavy-liquid service. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-02 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for flanges or other connectors. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-02 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for pressure relief devices in light- | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) | [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) § 60.592(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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| | | | | | | liquid service. | § 60.485(f) § 60.592(d) | § 60.486(j) § 60.592(e) | |
| F-02 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(c)(1) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.163 [G]§ 63.171 [G]§ 63.176 § 63.648(f) § 63.655(d)(2) | Comply with the specified Subpart H requirements for pumps in light liquid service, instrument readings that define a leak are specified in Subpart CC, table 2. | [G]§ 63.163 [G]§ 63.176 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(3) § 63.648(c)(4) § 63.648(c)(6) § 63.648(c)(7) § 63.648(c)(8) | § 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) § 63.181(h)(9) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5) | [G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(v) |
| F-02 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.655(d)(2) | Comply with the specified Subpart H requirements for non-reciprocating pumps in heavy liquid service. | [G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(6) | § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | [G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) |
| F-02 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.164 [G]§ 63.171 § 63.648(i) § 63.655(d)(2) | Comply with the specified Subpart H requirements for compressors which are not in hydrogen service. | [G]§ 63.164 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d) [G]§ 63.648(b) | § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(f) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5) | [G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| F-02 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.165 [G]§ 63.171 § 63.655(d)(2) | Comply with the specified Subpart H requirements for pressure relief devices in gas/vapor service. | [G]§ 63.165 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d) [G]§ 63.648(b) | § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(f) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | [G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) |
| F-02 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.655(d)(2) | Comply with the specified Subpart H requirements for pressure relief device in liquid service. | [G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(6) | § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | [G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) |
| F-02 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.166 [G]§ 63.171 § 63.655(d)(2) | Comply with the specified Subpart H requirements for sampling connection systems. | [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) | § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | [G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) |
| F-02 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.167 [G]§ 63.171 [G]§ 63.175 § 63.655(d)(2) | Comply with the specified Subpart H requirements for open-ended valves and lines. | [G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) | § 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) § 63.181(h)(9) § 63.648(h) | [G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| | | | | | | | | § 63.655(d)(1)(i) § 63.655(i)(5) | |
| F-02 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(c)(1) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.168 [G]§ 63.171 [G]§ 63.175 § 63.648(c)(9) § 63.655(d)(2) | Comply with the specified Subpart H requirements for valves in gas/vapor and light liquid service, instrument readings defining a leak are specified in Subpart CC, table 2. | [G]§ 63.168 [G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(3) § 63.648(c)(4) § 63.648(c)(8) | § 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) § 63.181(h)(9) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | [G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(v) |
| F-02 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.655(d)(2) | Comply with the specified Subpart H requirements for valves in heavy liquid service. | [G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(6) | § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | [G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) |
| F-02 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(c)(5) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.649(a) § 63.655(d)(2) | Connectors in gas/vapor or light liquid are subject to the requirements in heavy liquid service in §63.169. The leak definition for specified systems subject to §63.169 is 1,000 parts per million. | [G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(4) | § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | [G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) § 63.655(f) § 63.655(f)(1)(v) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| F-02 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.655(d)(2) | Comply with the specified Subpart H requirements for connectors in heavy liquid service. | [G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(6) | § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | [G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) |
| F-02 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.169 [G]§ 63.171 § 63.655(d)(2) | Comply with the specified Subpart H requirements for instrumentation systems. | [G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) § 63.648(c)(2)(i) § 63.648(c)(6) | § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | [G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) |
| F-02 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 63.172(a) [G]§ 63.172(h) § 63.172(i) § 63.172(m) § 63.655(d)(2) | Comply with the specified Subpart H requirements for closed vent systems. | [G]§ 63.172(f)(1) [G]§ 63.172(f)(2) § 63.172(g) [G]§ 63.172(h) [G]§ 63.172(l) [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.648(b) | [G]§ 63.172(l) § 63.181(a) § 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) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | [G]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D) |
| F-02 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 63.11(b) § 63.172(d) § 63.172(e) [G]§ 63.172(h) § 63.172(m) § 63.655(d)(2) | Comply with the specified Subpart H requirements for flares. | § 63.172(e) [G]§ 63.172(h) [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.180(e) | § 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]§ 63.182(a) § 63.182(c) [G]§ 63.182(c)(1) [G]§ 63.182(d) [G]§ 63.655(e) [G]§ 63.655(f)(1)(i)(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(g)(1)(iii) § 63.181(g)(1)(iv) [G]§ 63.181(g)(2) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | |
| F-07 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | None | § 115.786(e) § 115.786(g) | None |
| F-07 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) | Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, | § 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) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-07 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) | Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | screening concentration greater than 500 ppmv above background as methane for all components. | | [G]§ 115.788(g) | |
| F-07 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| F-07 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B) |
| F-07 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) | Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) | § 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) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-07 | EU | R5352-1-15 | 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 |
| F-07 | EU | R5352-1-15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(11) | Sampling connection systems, as defined in 40 CFR §63.161 | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | (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. | | | |
| F-07 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | None | § 115.356 § 115.356(3) [G]§ 115.356(3)(C) | None |
| F-07 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) | No process drains 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 dropping 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 |
| F-07 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) | No pressure relief valves shall be allowed to have a VOC leak, for more | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) | § 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)(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) | than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(5) § 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) | |
| F-07 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-07 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) | No open-ended valves or lines 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(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]§ 115.354(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(12) § 115.357(8) § 115.357(9) | greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | [G]§ 115.356(3)(C) § 115.356(5) | |
| F-07 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-07 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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) | No valves 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 dropping or exuding | § 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) | of process fluid based on sight, smell, or sound. | | | |
| F-07 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-07 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 § 115.357(1) | § 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) |
|---------------------------|-------------------------|---------------|-------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| F-07 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-07 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-07 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying | [G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) | [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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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(f) § 63.655(d)(2) | with §60.482-2. | § 60.485(f) [G]§ 63.648(b) | [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)(5) | |
| F-07 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements 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) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-07 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-07 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) [G]§ 63.648(b) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-07 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 | Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) | [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(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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2) | liquid service complying with §60.482-7. | [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b) | [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(g) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | |
| F-07 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-07 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-07 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-07 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) | Comply with the specified 40 CFR | [G]§ 60.482-8 § 60.485(a) | [G]§ 60.486(a) [G]§ 60.486(b) | § 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) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with §60.482-8. | [G]§ 60.485(b) [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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | [G]§ 60.487(c) § 60.487(e) |
| F-07 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D) |
| F-07 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10. | [G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | [G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D) |
| F-10 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to | None | § 115.786(e) § 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| | | | | | | Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | | | |
| F-10 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 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) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| F-10 | EU | R5780-1-10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) |
| F-10 | EU | R5780-1-10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) | Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural | § 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) | § 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]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | |
| F-10 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | | | |
| F-10 | EU | R5780-1-10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) | Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------|-------------------------------------------|
| | | | | | § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | components. | | | |
| F-10 | EU | R5352-1-14 | 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 |
| F-10 | EU | R5352-1-14 | 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 |
| F-10 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | None | § 115.356 § 115.356(3) [G]§ 115.356(3)(C) | None |
| F-10 | EU | R5352-1-14 | VOC | 30 TAC Chapter | § 115.352(1)(A) | No process drains | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | 14 | | 115, Pet. Refinery & Petrochemicals | § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) | 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 dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 | § 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) | |
| F-10 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-10 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) | No pressure relief valves shall be allowed to have a VOC leak, for more than 15 days after | § 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(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(12) § 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 dropping 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) | |
| F-10 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-10 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 | § 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) | [G]§ 115.354(7) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8) § 115.357(9) | parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | § 115.356(5) | |
| F-10 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-10 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping or exuding of process fluid | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | based on sight, smell, or sound. | | | |
| F-10 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-10 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 § 115.357(1) | § 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 |
| F-10 | EU | R5352-1-14 | VOC | 30 TAC Chapter | § 115.352(1)(B) | No pump seals shall | § 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) |
|---------------------------|-------------------------|---------------|-------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | 14 | | 115, Pet. Refinery & Petrochemicals | § 115.352(1) § 115.352(10) § 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) | 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 dropping 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 § 115.357(1) | § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-10 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-10 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(d) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| F-10 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2. | [G]§ 60.482-2 § 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(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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-10 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements 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) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-10 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-10 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) [G]§ 63.648(b) | [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)(5) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| F-10 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 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(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(g) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) |
| F-10 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-10 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-10 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| | | | | | § 63.655(d)(2) | complying with §60.482-8. | | § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | |
| F-10 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-10 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D) |
| F-10 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10. | [G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | [G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D) |
| F-11 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile | None | § 115.786(e) § 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| | | | | | | organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | | | |
| F-11 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) | Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as | § 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) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | [G]§ 115.782(e)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | methane for all components. | | | |
| F-11 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) |
| F-11 | EU | R5780-1 - 10 | HIGHLY REACTIVE | 30 TAC Chapter 115, HRVOC | § 115.781(b)(9) § 115.780(b) | Flanges or other connectors within a | § 115.354(1) § 115.354(10) | § 115.354(10) § 115.356 | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | VOC | Fugitive Emissions | [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | [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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | § 115.789(1)(B) |
| F-11 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) | Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | |
| F-11 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) | Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(e) § 115.786(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------|
| | | | | | § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | [G]§ 115.788(g) | |
| F-11 | EU | R5352-1 - 14 | 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 |
| F-11 | EU | R5352-1 - 14 | 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 |
| F-11 | EU | R5352-1 - | VOC | 30 TAC Chapter | § 115.357(2) | Each pressure relief | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | 14 | | 115, Pet. Refinery & Petrochemicals | § 115.352(9) | valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | | § 115.356(3) [G]§ 115.356(3)(C) | |
| F-11 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) | No process drains 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 dropping 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 |
| F-11 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping or exuding of process fluid based on sight, | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | smell, or sound. | | | |
| F-11 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-11 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-11 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) | No flanges or other connectors shall be allowed to have a | § 115.354(1) § 115.354(10) § 115.354(11) | § 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) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(12) § 115.357(8) | 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 dropping 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) | |
| F-11 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-11 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(d) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) | None |
| F-11 | EU | 63CC-2 - | 112(B) HAPS | 40 CFR Part 63, | § 63.648(a) | Comply with the | [G]§ 60.482-2 | [G]§ 60.486(a) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | 11 | | Subpart CC | § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2) | specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2. | § 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(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)(5) | [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-11 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements 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) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-11 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-11 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) [G]§ 63.648(b) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-11 | EU | 63CC-2 - | 112(B) HAPS | 40 CFR Part 63, | § 63.648(a) | Comply with the | [G]§ 60.482-7 | [G]§ 60.486(a) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| | | 11 | | Subpart CC | § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2) | specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7. | [G]§ 60.483-1 [G]§ 60.483-2 § 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(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(g) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) |
| F-11 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-11 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-11 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| | | | | | § 63.648(a)(2) § 63.655(d)(2) | | | | |
| F-11 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10. | [G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | [G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D) |
| F-15 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | None | § 115.786(e) § 115.786(g) | None |
| F-15 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) | Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing | § 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) | § 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) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-15 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) | Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-15 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening | § 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | | concentration greater than 500 ppmv above background as methane for all components. | § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.786(g) | |
| F-15 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B) |
| F-15 | EU | R5780-1 - 10 | HIGHLY REACTIVE | 30 TAC Chapter 115, HRVOC | § 115.781(b)(9) § 115.780(b) | Open-ended valves or lines within a | § 115.354(1) § 115.354(10) | § 115.354(10) § 115.356 | § 115.782(c)(2)(A)(ii) [G]§ 115.786(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| | | | VOC | Fugitive Emissions | [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | [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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(1)(B) |
| F-15 | EU | R5352-1-15 | 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 | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | division except §115.356(3)(C) of this title. | | | |
| F-15 | EU | R5352-1 - 15 | 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 |
| F-15 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | None | § 115.356 § 115.356(3) [G]§ 115.356(3)(C) | None |
| F-15 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) | No process drains 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 dropping or exuding of process fluid | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | based on sight, smell, or sound. | | | |
| F-15 | EU | R5352-1-15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-15 | EU | R5352-1-15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-15 | EU | R5352-1-15 | VOC | 30 TAC Chapter | § 115.352(1)(A) | No open-ended | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | 15 | | 115, Pet. Refinery & Petrochemicals | § 115.352(1) § 115.352(10) § 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) | valves or lines 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 dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 | § 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) | |
| F-15 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-15 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) | No valves 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) [G]§ 115.354(7) | § 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) | [G]§ 115.354(7) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8) § 115.357(9) | concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(9) [G]§ 115.355 | § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-15 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-15 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1) | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-15 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-15 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| F-15 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(d) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) | None |
| F-15 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2. | [G]§ 60.482-2 § 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(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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-15 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements 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) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-15 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-15 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, | § 63.648(a) | Comply with the | § 60.485(a) | [G]§ 60.486(a) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| | | 12 | | Subpart CC | § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6. | [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b) | § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-15 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 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(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(g) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) |
| F-15 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-15 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| F-15 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-15 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-15 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D) |
| F-15 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10. | [G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | [G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| F-17 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | None | § 115.786(e) § 115.786(g) | None |
| F-17 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) | Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a | § 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) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | screening concentration greater than 500 ppmv above background as methane for all components. | | § 115.786(c) § 115.786(g) [G]§ 115.788(g) | |
| F-17 | EU | R5780-1-10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) | Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.788(a)(3)(B) [G]§ 115.788(g) | | | | |
| F-17 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B) |
| F-17 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) | Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | |
| F-17 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) | Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-17 | EU | R5352-1 - 15 | 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 |
| F-17 | EU | R5352-1 - 15 | 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 | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | division except §115.356(3)(C) of this title. | | | |
| F-17 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | None | § 115.356 § 115.356(3) [G]§ 115.356(3)(C) | None |
| F-17 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) | No process drains 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 dropping 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 |
| F-17 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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) | No pressure relief valves 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(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) [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) | background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-17 | EU | R5352-1-15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-17 | EU | R5352-1-15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping or exuding of process fluid | § 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) [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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | based on sight, smell, or sound. | | | |
| F-17 | EU | R5352-1-15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-17 | EU | R5352-1-15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-17 | EU | R5352-1-15 | VOC | 30 TAC Chapter 115, Pet. Refinery & | § 115.352(1)(A) § 115.352(1) | No valves shall be allowed to have a | § 115.354(1) § 115.354(10) | § 115.352(7) § 115.354(10) | [G]§ 115.354(7) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | Petrochemicals | § 115.352(10) § 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) | 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 dropping 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 | § 115.356 [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) | |
| F-17 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-17 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) | No flanges or other connectors 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(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(7) § 115.352(8) § 115.357(12) § 115.357(8) | concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | [G]§ 115.355 § 115.357(1) | § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-17 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-17 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 | § 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) | dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-17 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-17 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(d) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) | None |
| F-17 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2. | [G]§ 60.482-2 § 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(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) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| | | | | | | | | § 63.655(d)(6) § 63.655(i)(5) | |
| F-17 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements 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) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-17 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-17 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) [G]§ 63.648(b) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-17 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 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(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(g) § 60.486(j) § 63.648(h) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | | | | § 63.655(d)(1)(i) § 63.655(i)(5) | |
| F-17 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-17 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-17 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-17 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 60.486(j) § 63.648(h) | § 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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| | | | | | | complying with §60.482-8. | | § 63.655(d)(1)(i) § 63.655(i)(5) | |
| F-17 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D) |
| F-17 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10. | [G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | [G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D) |
| F-17 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | [G]§ 63.648(g) | 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)(5) | None |
| F-27 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile | None | § 115.786(e) § 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| | | | | | | organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | | | |
| F-27 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) | Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as | § 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) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | methane for all components. | | | |
| F-27 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) |
| F-27 | EU | R5780-1 - 10 | HIGHLY REACTIVE | 30 TAC Chapter 115, HRVOC | § 115.781(b)(9) § 115.780(b) | Flanges or other connectors within a | § 115.354(1) § 115.354(10) | § 115.354(10) § 115.356 | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | VOC | Fugitive Emissions | [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | [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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | § 115.789(1)(B) |
| F-27 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) | Pump seals within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) | [G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III)) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) | organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | |
| F-27 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | | | |
| F-27 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) | Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------|-------------------------------------------|
| | | | | | § 115.788(a)(3)(B) [G]§ 115.788(g) | | | | |
| F-27 | EU | R5352-1-15 | 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 |
| F-27 | EU | R5352-1-15 | 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 |
| F-27 | EU | R5352-1-15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | None | § 115.356 § 115.356(3) [G]§ 115.356(3)(C) | None |
| F-27 | EU | R5352-1-15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) | No process drains shall be allowed to have a VOC leak, for | § 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) § 115.352(2)(A) § 115.352(3) § 115.352(7) | 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 dropping 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) | |
| F-27 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-27 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) | No pressure relief valves 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(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) | § 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) | [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(7) § 115.352(9) § 115.357(12) § 115.357(8) § 115.357(9) | concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(9) [G]§ 115.355 | § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-27 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-27 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 open-ended valves or lines 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(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) | background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-27 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-27 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| F-27 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-27 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 § 115.357(1) | § 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 |
| F-27 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) | No compressor seals shall be allowed to have a VOC leak, for more than 15 days | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) | § 115.352(7) § 115.354(10) § 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(12) § 115.357(8) | after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(6) § 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) | |
| F-27 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-27 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8) | background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-27 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(d) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) | None |
| F-27 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2. | [G]§ 60.482-2 § 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(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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-27 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3. | [G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [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) [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) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| | | | | | | | | § 63.655(i)(5) | |
| F-27 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements 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) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-27 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-27 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) [G]§ 63.648(b) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-27 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 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(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(g) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | | | | § 63.655(i)(5) | |
| F-27 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-27 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-27 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-27 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in light liquid service complying with | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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. | | § 63.655(i)(5) | |
| F-27 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D) |
| F-27 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10. | [G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | [G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D) |
| F-28 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | None | § 115.786(e) § 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| F-28 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(d) § 115.780(b) [G]§ 115.781(a) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) § 115.787(g) | All pumps that are equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal are exempt from the monitoring requirement of §115.781(b) and (c). Submerged pumps or sealless pumps may be used to satisfy the requirements of this subsection. | § 115.782(d)(2) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c) |
| F-28 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) | Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural | § 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) § 115.781(b) | § 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]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-28 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) | Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(g)(2) § 115.782(d)(2) | [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-28 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration | § 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | | greater than 500 ppmv above background as methane for all components. | § 115.782(d)(2) § 115.789(1)(B) | | |
| F-28 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III)) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) | Compressor seals within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c) |
| F-28 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) | Pump seals within a petroleum refinery; synthetic organic chemical, polymer, | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) | § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) | [G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III)) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) | resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(2) § 115.782(d)(2) | § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | |
| F-28 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) | Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.786(c) § 115.786(g) | |
| F-28 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) | Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------|
| | | | | | § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | | |
| F-28 | EU | R5352-1-14 | 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 |
| F-28 | EU | R5352-1-14 | 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 |
| F-28 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with | None | § 115.356 § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | Petrochemicals | | a rupture disk must comply with §115.352(9) and §115.356(3)(C). | | [G]§ 115.356(3)(C) | |
| F-28 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) | No process drains 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 dropping 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 |
| F-28 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| F-28 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-28 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-28 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) | No valves 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) | § 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)(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) | discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-28 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-28 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(1) | No flanges or other connectors 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(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 115.357(12) § 115.357(8) | volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-28 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 § 115.357(1) | § 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 |
| F-28 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping or exuding of process fluid | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | based on sight, smell, or sound. | | | |
| F-28 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-28 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-28 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) | No pump seals shall be allowed to have a VOC leak, for more | § 115.354(1) § 115.354(10) § 115.354(2) | § 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) § 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) | 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 dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(5) § 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) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-29 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | None | § 115.786(e) § 115.786(g) | None |
| F-29 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) | Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing | § 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) | § 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) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-29 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) | Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-29 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening | § 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) | § 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) § 115.781(b)(10) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | | concentration greater than 500 ppmv above background as methane for all components. | § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.786(g) | |
| F-29 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B) |
| F-29 | EU | R5780-1 - 10 | HIGHLY REACTIVE | 30 TAC Chapter 115, HRVOC | § 115.781(b)(9) § 115.780(b) | Open-ended valves or lines within a | § 115.354(1) § 115.354(10) | § 115.354(10) § 115.356 | § 115.782(c)(2)(A)(ii) [G]§ 115.786(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| | | | VOC | Fugitive Emissions | [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | [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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(1)(B) |
| F-29 | EU | R5352-1 - 14 | 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 | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | division except §115.356(3)(C) of this title. | | | |
| F-29 | EU | R5352-1 - 14 | 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 |
| F-29 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | None | § 115.356 § 115.356(3) [G]§ 115.356(3)(C) | None |
| F-29 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) | No process drains 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 dropping or exuding of process fluid | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | based on sight, smell, or sound. | | | |
| F-29 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-29 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-29 | EU | R5352-1-14 | VOC | 30 TAC Chapter | § 115.352(1)(A) | No open-ended | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | 14 | | 115, Pet. Refinery & Petrochemicals | § 115.352(1) § 115.352(10) § 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) | valves or lines 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-29 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-29 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) | No valves 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) [G]§ 115.354(7) | § 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) | [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) | exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(9) [G]§ 115.355 § 115.357(1) | [G]§ 115.356(3)(C) § 115.356(5) | |
| F-29 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-29 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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) | No flanges or other connectors 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(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 115.357(8) | background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-29 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 § 115.357(1) | § 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 |
| F-29 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping or exuding of process fluid based on sight, | § 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) |
|---------------------------|-------------------------|---------------|-------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | smell, or sound. | | | |
| F-29 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-29 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-29 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(d) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | | equipment in vacuum service. | | | |
| F-29 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2. | [G]§ 60.482-2 § 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(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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-29 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3. | [G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [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) [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-29 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements 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) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| F-29 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-29 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) [G]§ 63.648(b) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-29 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 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(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(g) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) |
| F-29 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| F-29 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-29 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-29 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-29 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| F-29 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10. | [G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | [G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D) |
| F-31 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | None | § 115.786(e) § 115.786(g) | None |
| F-31 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ | Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation | § 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) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) | § 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) § 115.781(b)(10) § 115.781(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| | | | | | 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-31 | EU | R5780-1-10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) | Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | | § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-31 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above | § 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| | | | | | | background as methane for all components. | | | |
| F-31 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B) |
| F-31 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) | Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) | § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| | | | | | § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | [G]§ 115.788(g) § 115.789(1)(B) |
| F-31 | EU | R5352-1 - 14 | 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 |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| F-31 | EU | R5352-1 - 14 | 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 |
| F-31 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | None | § 115.356 § 115.356(3) [G]§ 115.356(3)(C) | None |
| F-31 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) | No process drains 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 dropping 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 |
| F-31 | EU | R5352-1 - | VOC | 30 TAC Chapter | § 115.352(1)(A) | No pressure relief | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | 14 | | 115, Pet. Refinery & Petrochemicals | § 115.352(1) § 115.352(10) § 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) | valves 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-31 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-31 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) | No open-ended valves or lines 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) | § 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) | [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) | discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(9) [G]§ 115.355 § 115.357(1) | [G]§ 115.356(3)(C) § 115.356(5) | |
| F-31 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-31 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) | No valves 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(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) [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(6) § 115.352(7) § 115.357(1) § 115.357(8) § 115.357(9) | volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-31 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-31 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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. | | | |
| F-31 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 § 115.357(1) | § 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 |
| F-31 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-31 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & | § 115.352(1)(B) § 115.352(1) | No compressor seals shall be allowed to | § 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(10) § 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) | 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 dropping 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) | |
| F-31 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-31 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) | No pump seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 | § 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(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8) | parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | [G]§ 115.356(3)(C) § 115.356(5) | |
| F-31 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(d) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) | None |
| F-31 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2. | [G]§ 60.482-2 § 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(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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-31 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements 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) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| F-31 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-31 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) [G]§ 63.648(b) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-31 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 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(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(g) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) |
| F-31 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| F-31 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-31 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-31 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-31 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| F-31 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10. | [G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | [G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D) |
| F-31 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | [G]§ 63.648(g) | 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)(5) | None |
| F-33 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | None | § 115.786(e) § 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| F-33 | EU | R5780-1-10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) |
| F-33 | EU | R5780-1-10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) | Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural | § 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) | § 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]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | |
| F-33 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | | | |
| F-33 | EU | R5780-1-10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) | Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------|-------------------------------------------|
| | | | | | § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | components. | | | |
| F-33 | EU | R5352-1-14 | 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 |
| F-33 | EU | R5352-1-14 | 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 |
| F-33 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | None | § 115.356 § 115.356(3) [G]§ 115.356(3)(C) | None |
| F-33 | EU | R5352-1-14 | VOC | 30 TAC Chapter | § 115.352(1)(A) | No process drains | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | 14 | | 115, Pet. Refinery & Petrochemicals | § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) | 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 dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 | § 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) | |
| F-33 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-33 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) | No pressure relief valves shall be allowed to have a VOC leak, for more than 15 days after | § 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(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(12) § 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 dropping 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) | |
| F-33 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-33 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 | § 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) | [G]§ 115.354(7) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8) § 115.357(9) | parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | § 115.356(5) | |
| F-33 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-33 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping or exuding of process fluid | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | based on sight, smell, or sound. | | | |
| F-33 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-33 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 § 115.357(1) | § 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 |
| F-33 | EU | R5352-1-14 | VOC | 30 TAC Chapter | § 115.352(1)(A) | No agitators shall be | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | 14 | | 115, Pet. Refinery & Petrochemicals | § 115.352(1) § 115.352(10) § 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(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 dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1) | § 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) | |
| F-33 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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(12) § 115.357(8) | No agitators 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 dropping 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 |
| F-33 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) | No agitators 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(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1) | § 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)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(12) § 115.357(8) | greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-33 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-33 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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) | No pump seals 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 dropping or exuding | § 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(8) | of process fluid based on sight, smell, or sound. | | | |
| F-33 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-33 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2. | [G]§ 60.482-2 § 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(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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-33 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief | § 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) | § 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 § 63.648(a)(2) § 63.655(d)(2) | devices in gas/vapor service. | § 60.485(f) | § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | |
| F-33 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-33 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) [G]§ 63.648(b) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-33 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 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(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(g) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) |
| F-33 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy | [G]§ 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) | § 60.487(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 63.648(a)(2) § 63.655(d)(2) | liquid service complying with §60.482-8. | [G]§ 63.648(b) | § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | |
| F-33 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-33 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-33 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-35 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile | None | § 115.786(e) § 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| | | | | | | organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | | | |
| F-35 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) | Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as | § 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) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | [G]§ 115.782(e)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | methane for all components. | | | |
| F-35 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) |
| F-35 | EU | R5780-1 - 10 | HIGHLY REACTIVE | 30 TAC Chapter 115, HRVOC | § 115.781(b)(9) § 115.780(b) | Flanges or other connectors within a | § 115.354(1) § 115.354(10) | § 115.354(10) § 115.356 | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | VOC | Fugitive Emissions | [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | [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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | § 115.789(1)(B) |
| F-35 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) | Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | |
| F-35 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) | Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------|
| | | | | | § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | [G]§ 115.788(g) | |
| F-35 | EU | R5352-1 - 14 | 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 |
| F-35 | EU | R5352-1 - 14 | 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 |
| F-35 | EU | R5352-1 - | VOC | 30 TAC Chapter | § 115.357(2) | Each pressure relief | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | 14 | | 115, Pet. Refinery & Petrochemicals | § 115.352(9) | valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | | § 115.356(3) [G]§ 115.356(3)(C) | |
| F-35 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-35 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping or exuding of process fluid based on sight, | § 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) [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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | smell, or sound. | | | |
| F-35 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-35 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-35 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) | No valves shall be allowed to have a VOC leak, for more | § 115.354(1) § 115.354(10) § 115.354(2) | § 115.352(7) § 115.354(10) § 115.356 | [G]§ 115.354(7) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 115.352(2) § 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) | than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 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) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-35 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-35 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) | No flanges or other connectors 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(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) | 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) | greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | § 115.357(1) | [G]§ 115.356(3)(C) § 115.356(5) | |
| F-35 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-35 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 pump seals 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 dropping or exuding | § 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) | of process fluid based on sight, smell, or sound. | | | |
| F-36 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | None | § 115.786(e) § 115.786(g) | None |
| F-36 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) | Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is | § 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) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(g)(2) § 115.782(d)(2) | § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-36 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) | Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | ppmv above background as methane for all components. | | | |
| F-36 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B) |
| F-36 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) | Heat exchanger heads, sight glasses, meters, gauges, | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | |
| F-36 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) | Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly- | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-36 | EU | R5352-1 - 14 | 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 |
| F-36 | EU | R5352-1 - 14 | 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 | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | 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. | | | |
| F-36 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | None | § 115.356 § 115.356(3) [G]§ 115.356(3)(C) | None |
| F-36 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) | No process drains 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 dropping 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 |
| F-36 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) | No pressure relief valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening | § 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) | § 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [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(5) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(8) § 115.357(9) | concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | [G]§ 115.355 § 115.357(1) | | |
| F-36 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-36 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 open-ended valves or lines 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(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) [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(1) § 115.357(8) § 115.357(9) | background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-36 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-36 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping or exuding of process fluid based on sight, | § 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) [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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | smell, or sound. | | | |
| F-36 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-36 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-36 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) | No flanges or other connectors shall be allowed to have a | § 115.354(1) § 115.354(10) § 115.354(11) | § 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) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(12) § 115.357(8) | 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 dropping 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) | |
| F-36 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-36 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) | No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 | § 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(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8) | parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | [G]§ 115.356(3)(C) § 115.356(5) | |
| F-36 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-36 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping or exuding of process fluid | § 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| | | | | | | based on sight, smell, or sound. | | | |
| F-36 | EU | 60GGG-1-11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(d) | Comply with the requirements as stated in §60.482-1(d) for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) | None |
| F-36 | EU | 60GGG-1-11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 | Comply with the requirements as stated in §60.482-2 for pumps in light-liquid service. | [G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d) | [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) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-36 | EU | 60GGG-1-11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.593(b)(1) | Compressors in hydrogen service are exempt from the requirements of §60.592 if an owner or operator demonstrates that a compressor is in hydrogen service. | § 60.593(b)(2) [G]§ 60.593(b)(3) | None | None |
| F-36 | EU | 60GGG-1-11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-4 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-4 for pressure relief devices in gas/vapor service. | [G]§ 60.482-4 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-36 | EU | 60GGG-1-11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) | Comply with the requirements in as | § 60.485(a) [G]§ 60.485(b) | [G]§ 60.486(a) § 60.486(e) | § 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) [G]§ 60.482-5 [G]§ 60.482-9 | stated in §60.482-5 for sampling connection systems. | [G]§ 60.485(d) § 60.485(f) § 60.592(d) | § 60.486(e)(1) § 60.486(j) § 60.592(e) | [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-36 | EU | 60GGG-1-11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 | 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) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-36 | EU | 60GGG-1-11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 60.592(b) | Comply with the requirements in as stated in §60.482-7 for valves in gas/vapor or light-liquid service. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d) | [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(g) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) § 60.592(e) |
| F-36 | EU | 60GGG-1-11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for pumps in heavy-liquid service. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-36 | EU | 60GGG-1-11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) | Comply with the requirements in as stated in §60.482-10 for flares. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-36 | EU | 60GGG-1-11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) | Comply with the requirements in as | [G]§ 60.482-8 § 60.485(a) | [G]§ 60.486(a) [G]§ 60.486(b) | § 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) [G]§ 60.482-8 [G]§ 60.482-9 | stated in §60.482-8 for valves in heavy-liquid service. | [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-36 | EU | 60GGG-1 - 11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for flanges or other connectors. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-36 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(d) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) | None |
| F-36 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2. | [G]§ 60.482-2 § 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(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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-36 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief | § 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) | § 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 § 63.648(a)(2) § 63.655(d)(2) | devices in gas/vapor service. | § 60.485(f) | § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | |
| F-36 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-36 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) [G]§ 63.648(b) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-36 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 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(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(g) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) |
| F-36 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy | [G]§ 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) | § 60.487(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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| | | | | | § 63.648(a)(2) § 63.655(d)(2) | liquid service complying with §60.482-8. | [G]§ 63.648(b) | § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | |
| F-36 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-36 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-36 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D) |
| F-36 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor | [G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) | [G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| | | | | | § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | collection) systems complying with §60.482-10. | § 60.485(f) | § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | [G]§ 63.655(f)(1)(i)(D) |
| F-36 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | [G]§ 63.648(g) | 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)(5) | None |
| F-40 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | None | § 115.786(e) § 115.786(g) | None |
| F-40 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) | Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) | § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) | [G]§ 115.782(e)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | [G]§ 115.788(g) |
| F-40 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) | Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly- | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(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) § 115.781(b)(10) § 115.781(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-40 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this | § 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | | division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | |
| F-40 | EU | R5780-1-10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| F-40 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(1)(B) |
| F-40 | EU | R5352-1 - 15 | 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 | 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. | | | |
| F-40 | EU | R5352-1 - 15 | 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 |
| F-40 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | None | § 115.356 § 115.356(3) [G]§ 115.356(3)(C) | None |
| F-40 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) | No process drains 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 | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-40 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-40 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| F-40 | EU | R5352-1-15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-40 | EU | R5352-1-15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-40 | EU | R5352-1-15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) | No valves 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) | § 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)(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) | discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-40 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-40 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(1) | No flanges or other connectors 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(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 115.357(12) § 115.357(8) | volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-40 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 § 115.357(1) | § 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 |
| F-40 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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. | | | |
| F-40 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-40 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-40 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) | No pump seals shall be allowed to have a VOC leak, for more | § 115.354(1) § 115.354(10) § 115.354(2) | § 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) § 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) | 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 dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(5) § 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) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-40 | EU | 60GGG-1-11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(d) | Comply with the requirements as stated in §60.482-1(d) for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) | None |
| F-40 | EU | 60GGG-1-11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 | Comply with the requirements as stated in §60.482-2 for pumps in light-liquid service. | [G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d) | [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) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-40 | EU | 60GGG-1-11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.593(b)(1) | Compressors in hydrogen service are exempt from the requirements of §60.592 if an owner or operator demonstrates that a compressor is in hydrogen service. | § 60.593(b)(2) [G]§ 60.593(b)(3) | 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| F-40 | EU | 60GGG-1 - 11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-4 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-4 for pressure relief devices in gas/vapor service. | [G]§ 60.482-4 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-40 | EU | 60GGG-1 - 11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 | 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) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-40 | EU | 60GGG-1 - 11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 | 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) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-40 | EU | 60GGG-1 - 11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 60.592(b) | Comply with the requirements in as stated in §60.482-7 for valves in gas/vapor or light-liquid service. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d) | [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(g) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) § 60.592(e) |
| F-40 | EU | 60GGG-1 - 11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for pumps in heavy-liquid service. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| F-40 | EU | 60GGG-1 - 11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) | Comply with the requirements in as stated in §60.482-10 for flares. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-40 | EU | 60GGG-1 - 11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) | Comply with the requirements in as stated in §60.482-10 for closed-vent systems. | [G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | [G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-40 | EU | 60GGG-1 - 11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for valves in heavy-liquid service. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-40 | EU | 60GGG-1 - 11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for flanges or other connectors. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-40 | EU | 60GGG-1 - 11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for pressure relief devices in light-liquid service. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| F-40 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(d) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) | None |
| F-40 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2. | [G]§ 60.482-2 § 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(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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-40 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements 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) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-40 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-40 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, | § 63.648(a) | Comply with the | § 60.485(a) | [G]§ 60.486(a) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| | | 11 | | Subpart CC | § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or lines complying with §60.482-6. | [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b) | § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-40 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 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(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(g) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) |
| F-40 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-40 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| F-40 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-40 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-40 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D) |
| F-40 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10. | [G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | [G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| F-40 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | [G]§ 63.648(g) | 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)(5) | None |
| F-41 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | None | § 115.786(e) § 115.786(g) | None |
| F-41 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(d) § 115.780(b) [G]§ 115.781(a) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) | All compressors that are equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal are exempt from the monitoring requirement of §115.781(b) and (c). Submerged pumps | § 115.782(d)(2) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III)) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) § 115.787(g) | or sealless pumps may be used to satisfy the requirements of this subsection. | | | |
| F-41 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) | Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this | § 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) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | | § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-41 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) | Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | methane for all components. | | | |
| F-41 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B) |
| F-41 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) | Compressor seals within a petroleum refinery; synthetic organic chemical, polymer, resin, or | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) | § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) | [G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III)) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) | methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | |
| F-41 | EU | R5780-1-10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) | Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.782(c)(1)(B)(iv) | material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | | |
| F-41 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) | Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------|-------------------------------------------|
| | | | | | § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | greater than 500 ppmv above background as methane for all components. | § 115.782(d)(2) § 115.789(1)(B) | | |
| F-41 | EU | R5352-1-14 | 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 |
| F-41 | EU | R5352-1-14 | 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 |
| F-41 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with a rupture disk must comply with | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | §115.352(9) and §115.356(3)(C). | | | |
| F-41 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) | No process drains 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 dropping 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 |
| F-41 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-41 | EU | R5352-1-14 | VOC | 30 TAC Chapter | § 115.352(1)(A) | No open-ended | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | 14 | | 115, Pet. Refinery & Petrochemicals | § 115.352(1) § 115.352(10) § 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) | valves or lines 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-41 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-41 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) | No valves 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) [G]§ 115.354(7) | § 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) | [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) | exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(9) [G]§ 115.355 § 115.357(1) | [G]§ 115.356(3)(C) § 115.356(5) | |
| F-41 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-41 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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) | No flanges or other connectors 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(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 115.357(8) | background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-41 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 § 115.357(1) | § 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 |
| F-41 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping or exuding of process fluid based on sight, | [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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | smell, or sound. | | | |
| F-41 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-41 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-41 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) | No pump seals shall be allowed to have a VOC leak, for more than 15 days after | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) | § 115.352(7) § 115.354(10) § 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(12) § 115.357(8) | discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(6) § 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) | |
| F-41 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2. | [G]§ 60.482-2 § 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(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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-41 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3. | [G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [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) [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)(5) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| F-41 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements 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) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-41 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-41 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) [G]§ 63.648(b) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-41 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 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(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(g) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| F-41 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-41 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-41 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-41 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------|-------------------------------------------|
| F-45 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | None | § 115.786(e) § 115.786(g) | None |
| F-45 | EU | R5352-1 - 15 | 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 |
| F-45 | EU | R5352-1 - 15 | 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 | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | requirements of this division except §115.356(3)(C) of this title. | | | |
| F-45 | EU | R5352-1-15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | None | § 115.356 § 115.356(3) [G]§ 115.356(3)(C) | None |
| F-45 | EU | R5352-1-15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) | No process drains 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 dropping 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 |
| F-45 | EU | R5352-1-15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) | No pressure relief valves 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(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(12) § 115.357(8) § 115.357(9) | volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-45 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-45 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping or exuding | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | of process fluid based on sight, smell, or sound. | | | |
| F-45 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-45 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-45 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & | § 115.352(1)(A) § 115.352(1) | No flanges or other connectors shall be | § 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(10) § 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) | 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 dropping 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) | |
| F-45 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 § 115.357(1) | § 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 |
| F-45 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) | No compressor seals 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) | § 115.352(7) § 115.354(10) § 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(12) § 115.357(8) | concentration greater than 10,000 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | [G]§ 115.355 | § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-45 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-45 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 | § 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) | dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-45 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2. | [G]§ 60.482-2 § 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(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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-45 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3. | [G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [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) [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-45 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements 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) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| | | | | | § 63.655(d)(2) | | | § 63.655(d)(1)(i) § 63.655(i)(5) | |
| F-45 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-45 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) [G]§ 63.648(b) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-45 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 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(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(g) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) [G]§ 60.487(d) § 60.487(e) |
| F-45 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) | § 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. | | § 63.655(d)(1)(i) § 63.655(i)(5) | |
| F-45 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-45 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-45 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-47 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an | None | § 115.786(e) § 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | | annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | | | |
| F-47 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| F-47 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B) |
| F-47 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) | Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) | § 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) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-47 | EU | R5352-1-14 | 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 |
| F-47 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(11) | Sampling connection systems, as defined in 40 CFR §63.161 | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | (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. | | | |
| F-47 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | None | § 115.356 § 115.356(3) [G]§ 115.356(3)(C) | None |
| F-47 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) | No process drains 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 dropping 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 |
| F-47 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) | No open-ended valves or lines shall be allowed to have a VOC leak, for more | § 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)(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) | than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-47 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-47 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) | No valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 | § 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) [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(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(8) § 115.357(9) | parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-47 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-47 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping or exuding | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | of process fluid based on sight, smell, or sound. | | | |
| F-47 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 § 115.357(1) | § 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 |
| F-47 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-47 | EU | R5352-1 - | VOC | 30 TAC Chapter | § 115.352(1)(B) | No pump seals shall | § 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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | 14 | | 115, Pet. Refinery & Petrochemicals | § 115.352(1) § 115.352(10) § 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) | 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 dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 | § 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) | |
| F-48 | EU | R5412-1 | VOC | 30 TAC Chapter 115, Degreasing Processes | § 115.412(1) [G]§ 115.412(1)(A) § 115.412(1)(C) § 115.412(1)(D) [G]§ 115.412(1)(F) § 115.417(1) | Cold solvent cleaning. No person shall own or operate a system utilizing a VOC for the cold solvent cleaning of objects without the controls listed in §115.412(1)(A)-(F). | [G]§ 115.415(1) § 115.415(3) ** See Periodic Monitoring Summary | None | None |
| F-52 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title | None | § 115.786(e) § 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| | | | | | | (relating to Record keeping Requirements). | | | |
| F-52 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 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) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) |
| F-52 | EU | R5780-1 - 10 | HIGHLY REACTIVE | 30 TAC Chapter 115, HRVOC | § 115.781(b)(9) § 115.780(b) | Valves within a petroleum refinery; | § 115.354(1) § 115.354(10) | § 115.354(10) § 115.356 | § 115.782(c)(2)(A)(ii) [G]§ 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| | | | VOC | Fugitive Emissions | [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | [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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) |
| F-52 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ | Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation | § 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) | § 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) § 115.781(b)(10) § 115.781(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | |
| F-52 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | | | |
| F-52 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) | Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------|-------------------------------------------|
| | | | | | § 115.788(a)(3)(B) [G]§ 115.788(g) | | | | |
| F-52 | EU | R5352-1-14 | 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 |
| F-52 | EU | R5352-1-14 | 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 |
| F-52 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | None | § 115.356 § 115.356(3) [G]§ 115.356(3)(C) | None |
| F-52 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) | No process drains shall be allowed to have a VOC leak, for | § 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) § 115.352(2)(A) § 115.352(3) § 115.352(7) | 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 dropping 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) | |
| F-52 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-52 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) | No pressure relief valves 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(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) | § 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) | [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(7) § 115.352(9) § 115.357(12) § 115.357(8) § 115.357(9) | concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(9) [G]§ 115.355 | § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-52 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-52 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 open-ended valves or lines 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(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) | background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-52 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-52 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| F-52 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-52 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 § 115.357(1) | § 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 |
| F-52 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) | No compressor seals shall be allowed to have a VOC leak, for more than 15 days | [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)(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) | after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-52 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-52 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 | § 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) | background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-52 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-52 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(d) | Comply with the requirements as stated in §60.482-1(d) for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) | None |
| F-52 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 | Comply with the requirements as stated in §60.482-2 for pumps in light-liquid service. | [G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d) | [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) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| F-52 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.593(b)(1) | Compressors in hydrogen service are exempt from the requirements of §60.592 if an owner or operator demonstrates that a compressor is in hydrogen service. | § 60.593(b)(2) [G]§ 60.593(b)(3) | None | None |
| F-52 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 | Comply with the requirements as stated in §60.482-3 for compressors. | [G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | [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) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-52 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-4 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-4 for pressure relief devices in gas/vapor service. | [G]§ 60.482-4 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-52 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 | 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) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-52 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 | 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) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| F-52 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 60.592(b) | Comply with the requirements in as stated in §60.482-7 for valves in gas/vapor or light-liquid service. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d) | [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(g) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) § 60.592(e) |
| F-52 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for pumps in heavy-liquid service. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-52 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) | Comply with the requirements in as stated in §60.482-10 for flares. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-52 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) | Comply with the requirements in as stated in §60.482-10 for closed-vent systems. | [G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | [G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-52 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) | Comply with the requirements in as stated in §60.482-8 | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| | | | | | [G]§ 60.482-8 [G]§ 60.482-9 | for valves in heavy-liquid service. | [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(e) § 60.592(e) |
| F-52 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for flanges or other connectors. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-52 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(d) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) | None |
| F-52 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2. | [G]§ 60.482-2 § 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(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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-52 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor | § 60.482-4(b)(2) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) | [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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| | | | | | § 63.648(a)(2) § 63.655(d)(2) | service. | | § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | |
| F-52 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-52 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) [G]§ 63.648(b) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-52 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 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(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(g) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) |
| F-52 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| | | | | | § 63.655(d)(2) | complying with §60.482-8. | | § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | |
| F-52 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-52 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-52 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D) |
| F-52 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems | [G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | [G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [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) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | complying with §60.482-10. | | § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | |
| F-52 | EU | 63CC-1 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | [G]§ 63.648(g) | 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)(5) | None |
| F-54 | EP | R1111-1 | 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 |
| F-55 | EP | R1111-1 | 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 |
| F-56 | EP | R1111-1 | OPACITY | 30 TAC Chapter 111, Visible | § 111.111(a)(1)(B) § 111.111(a)(1)(E) | Visible emissions from any stationary | [G]§ 111.111(a)(1)(F) ** See Periodic | 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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | Emissions | | 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. | Monitoring Summary | | |
| F-57 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | None | § 115.786(e) § 115.786(g) | None |
| F-57 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(d) § 115.780(b) [G]§ 115.781(a) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ | All pumps that are equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal are exempt from the monitoring requirement of §115.781(b) and (c). Submerged pumps or sealless pumps may be used to | § 115.782(d)(2) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| | | | | | 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III)) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) § 115.787(g) | satisfy the requirements of this subsection. | | | |
| F-57 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) | Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a | § 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) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | screening concentration greater than 500 ppmv above background as methane for all components. | | § 115.786(c) § 115.786(g) [G]§ 115.788(g) | |
| F-57 | EU | R5780-1-10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) | Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.788(a)(3)(B) [G]§ 115.788(g) | | | | |
| F-57 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B) |
| F-57 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) | Compressor seals within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) | § 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]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) | process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | [G]§ 115.356(3)(C) § 115.356(5) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | |
| F-57 | EU | R5780-1-10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) | Pump seals within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) | [G]§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.782(c)(1)(C)(i)(I) § 115.782(c)(1)(C)(i)(II) § 115.782(c)(1)(C)(i)(III) § 115.782(c)(1)(C)(ii) § 115.783(3) [G]§ 115.783(3)(A) [G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) | subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.782(d)(2) | § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | |
| F-57 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | ppmv above background as methane for all components. | | | |
| F-57 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(1)(B) |
| F-57 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & | § 115.357(10) | Instrumentation systems, as defined | None | § 115.356 § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | Petrochemicals | | 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. | | [G]§ 115.356(3)(C) | |
| F-57 | EU | R5352-1 - 14 | 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 |
| F-57 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | None | § 115.356 § 115.356(3) [G]§ 115.356(3)(C) | None |
| F-57 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) | No process drains 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(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) | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | § 115.356(5) | |
| F-57 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-57 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 | § 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) | methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-57 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-57 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping or exuding of process fluid based on sight, | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | smell, or sound. | | | |
| F-57 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-57 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-57 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) | No flanges or other connectors shall be allowed to have a VOC leak, for more | § 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) | § 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)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(1) § 115.357(12) § 115.357(8) | than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(6) § 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) | |
| F-57 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 § 115.357(1) | § 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 |
| F-57 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) | No compressor seals shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 | § 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(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8) | parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | [G]§ 115.356(3)(C) § 115.356(5) | |
| F-57 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-57 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping or exuding of process fluid | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| | | | | | | based on sight, smell, or sound. | | | |
| F-57 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-57 | EU | 60GGG-2-12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(d) | Comply with the requirements as stated in §60.482-1(d) for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) | None |
| F-57 | EU | 60GGG-2-12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 | Comply with the requirements as stated in §60.482-2 for pumps in light-liquid service. | [G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d) | [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) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-57 | EU | 60GGG-2-12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) | Comply with the requirements as stated in §60.482-3 | [G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) | § 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| | | | | | [G]§ 60.482-3 [G]§ 60.482-9 | for compressors. | [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j) § 60.592(e) | § 60.487(e) § 60.592(e) |
| F-57 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-4 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-4 for pressure relief devices in gas/vapor service. | [G]§ 60.482-4 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-57 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 | 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) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-57 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 | 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) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-57 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 60.592(b) | Comply with the requirements in as stated in §60.482-7 for valves in gas/vapor or light-liquid service. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d) | [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(g) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) § 60.592(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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| F-57 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for pumps in heavy-liquid service. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-57 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) | Comply with the requirements in as stated in §60.482-10 for flares. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-57 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for valves in heavy-liquid service. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-57 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for flanges or other connectors. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-57 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(d) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) | None |
| F-57 | EU | 63CC-2 - | 112(B) HAPS | 40 CFR Part 63, | § 63.648(a) | Comply with the | [G]§ 60.482-2 | [G]§ 60.486(a) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | 12 | | Subpart CC | § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2) | specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2. | § 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(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)(5) | [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-57 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3. | [G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [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) [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-57 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements 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) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-57 | EU | 63CC-2 - 12 | 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 | § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| | | | | | [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | requirements for sampling connection systems complying with §60.482-5. | § 60.485(f) | § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(e) |
| F-57 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) [G]§ 63.648(b) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-57 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 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(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(g) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) |
| F-57 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-57 | EU | 63CC-2 - 12 | 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 | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) | § 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) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| | | | | | [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | requirements for pumps in heavy liquid service complying with §60.482-8. | [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b) | § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(e) |
| F-57 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-57 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D) |
| F-57 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10. | [G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | [G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D) |
| F-61 | EU | R5780-1 - 10 | HIGHLY REACTIVE | 30 TAC Chapter 115, HRVOC | § 115.787(a) | Components that contact a process | None | § 115.786(e) § 115.786(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| | | | VOC | Fugitive Emissions | | fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | | | |
| F-61 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) | Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration | § 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) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | greater than 500 ppmv above background as methane for all components. | | [G]§ 115.788(g) | |
| F-61 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| F-61 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B) |
| F-61 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) | Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | |
| F-61 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) | Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------|
| | | | | | § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-61 | EU | R5352-1 - 14 | 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 |
| F-61 | EU | R5352-1 - 14 | 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 |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| F-61 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | None | § 115.356 § 115.356(3) [G]§ 115.356(3)(C) | None |
| F-61 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) | No process drains 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 dropping 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 |
| F-61 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping or exuding of process fluid | § 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) [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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | based on sight, smell, or sound. | | | |
| F-61 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-61 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-61 | EU | R5352-1-14 | VOC | 30 TAC Chapter | § 115.352(1)(A) | No open-ended | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | 14 | | 115, Pet. Refinery & Petrochemicals | § 115.352(1) § 115.352(10) § 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) | valves or lines 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 dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 | § 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) | |
| F-61 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [G]§ 115.356(3)(C) § 115.356(5) | [G]§ 115.354(7) |
| F-61 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) | No valves 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) [G]§ 115.354(7) | § 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) | [G]§ 115.354(7) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8) § 115.357(9) | concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(9) [G]§ 115.355 | § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-61 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-61 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1) | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-61 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-61 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| F-61 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-61 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-61 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(d) | Comply with the requirements as stated in §60.482-1(d) for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| F-61 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 | Comply with the requirements as stated in §60.482-2 for pumps in light-liquid service. | [G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d) | [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) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-61 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.593(b)(1) | Compressors in hydrogen service are exempt from the requirements of §60.592 if an owner or operator demonstrates that a compressor is in hydrogen service. | § 60.593(b)(2) [G]§ 60.593(b)(3) | None | None |
| F-61 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 | Comply with the requirements as stated in §60.482-3 for compressors. | [G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | [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) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-61 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-4 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-4 for pressure relief devices in gas/vapor service. | [G]§ 60.482-4 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| F-61 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 | 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) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-61 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 | 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) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-61 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 60.592(b) | Comply with the requirements in as stated in §60.482-7 for valves in gas/vapor or light-liquid service. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d) | [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(g) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) § 60.592(e) |
| F-61 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for pumps in heavy-liquid service. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-61 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) | Comply with the requirements in as stated in §60.482-10 for flares. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| F-61 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for valves in heavy-liquid service. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-61 | EU | 60GGG-1 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for flanges or other connectors. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-61 | EU | 63CC-1 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(d) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) | None |
| F-61 | EU | 63CC-1 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2. | [G]§ 60.482-2 § 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(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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-61 | EU | 63CC-1 - 12 | 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 | [G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2) | requirements for compressors complying with §60.482-3. | [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) | § 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)(5) | § 60.487(e) |
| F-61 | EU | 63CC-1 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements 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) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-61 | EU | 63CC-1 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-61 | EU | 63CC-1 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) [G]§ 63.648(b) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-61 | EU | 63CC-1 - 12 | 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 | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2) | requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7. | § 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) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(g) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(d) § 60.487(e) |
| F-61 | EU | 63CC-1 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-61 | EU | 63CC-1 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-61 | EU | 63CC-1 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| F-61 | EU | 63CC-1 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-61 | EU | 63CC-1 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D) |
| F-61 | EU | 63CC-1 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10. | [G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | [G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D) |
| F-61 | EU | 63CC-1 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | [G]§ 63.648(g) | 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. | [G]§ 63.648(g) | § 63.648(h) § 63.655(d)(3) § 63.655(i)(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| | | | | | | §63.648(g)(1)-(2). | | | |
| F-62 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | None | § 115.786(e) § 115.786(g) | None |
| F-62 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 115.787(f) § 115.787(g) § 115.788(a) | Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this | § 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) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(b)(8) § 115.781(e) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | | § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-62 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) | Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | methane for all components. | | | |
| F-62 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | Flanges or other connectors within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B) |
| F-62 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) | Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted | § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) | § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(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) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) [G]§ 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) [G]§ 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) | manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators within the process unit or processes listed in §115.780(a) in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | [G]§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2) § 115.786(d)(2)(A) § 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) | |
| F-62 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.781(b)(9) § 115.780(b) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2) § 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(5) § 115.787(f) | Open-ended valves or lines within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a highly-reactive volatile organic compound is | § 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) | § 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) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g) § 115.789(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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 115.787(f)(2) § 115.787(f)(3) § 115.787(f)(4) § 115.787(g) § 115.788(a) § 115.788(a)(1) § 115.788(a)(2) § 115.788(a)(2)(A) § 115.788(a)(2)(B) § 115.788(a)(2)(C) § 115.788(a)(2)(C)(i) § 115.788(a)(2)(C)(ii) § 115.788(a)(2)(C)(iii) § 115.788(a)(2)(D) § 115.788(a)(3) § 115.788(a)(3)(A) § 115.788(a)(3)(B) [G]§ 115.788(g) | a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division. A leak is defined as a screening concentration greater than 500 ppmv above background as methane for all components. | § 115.781(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3) § 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.782(d)(2) § 115.789(1)(B) | § 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(g) [G]§ 115.788(g) | |
| F-62 | EU | R5352-1 - 14 | 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 |
| F-62 | EU | R5352-1 - 14 | 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) | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | are exempt from the requirements of this division except §115.356(3)(C) of this title. | | | |
| F-62 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | None | § 115.356 § 115.356(3) [G]§ 115.356(3)(C) | None |
| F-62 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) | No process drains 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 dropping 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 |
| F-62 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) | No pressure relief valves shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 | § 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) [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(9) § 115.357(1) § 115.357(8) § 115.357(9) | parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-62 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-62 | EU | R5352-1-14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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) | No open-ended valves or lines 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 | § 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) [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) | dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-62 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-62 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) [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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| F-62 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-62 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-62 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) | No flanges or other connectors shall be allowed to have a VOC leak, for more than 15 days after | § 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) | § 115.352(7) § 115.354(10) § 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(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(12) § 115.357(8) | discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(6) § 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) | |
| F-62 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-62 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 | § 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) | background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | | | |
| F-62 | EU | R5352-1 - 14 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 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 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 dropping 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 |
| F-62 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(d) | Comply with the requirements as stated in §60.482-1(d) for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) | None |
| F-62 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 | Comply with the requirements as stated in §60.482-2 for pumps in light-liquid service. | [G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d) | [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) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| F-62 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.593(b)(1) | Compressors in hydrogen service are exempt from the requirements of §60.592 if an owner or operator demonstrates that a compressor is in hydrogen service. | § 60.593(b)(2) [G]§ 60.593(b)(3) | None | None |
| F-62 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 | Comply with the requirements as stated in §60.482-3 for compressors. | [G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | [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) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-62 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-4 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-4 for pressure relief devices in gas/vapor service. | [G]§ 60.482-4 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-62 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 | 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) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-62 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 | 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) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| F-62 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 60.592(b) | Comply with the requirements in as stated in §60.482-7 for valves in gas/vapor or light-liquid service. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d) | [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(g) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) § 60.592(e) |
| F-62 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for pumps in heavy-liquid service. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-62 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) | Comply with the requirements in as stated in §60.482-10 for flares. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-62 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for valves in heavy-liquid service. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-62 | EU | 60GGG-2 - 12 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 | Comply with the requirements in as stated in §60.482-8 for flanges or other | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) | [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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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 | connectors. | [G]§ 60.485(e) § 60.485(f) § 60.592(d) | § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.592(e) |
| F-62 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(d) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) | None |
| F-62 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2. | [G]§ 60.482-2 § 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(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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-62 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying with §60.482-3. | [G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [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) [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-62 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, | § 63.648(a) | Comply with the | § 60.482-4(b)(2) | [G]§ 60.486(a) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| | | 12 | | Subpart CC | § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in gas/vapor service. | § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) | § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-62 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-62 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) [G]§ 63.648(b) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-62 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 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(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(g) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) |
| F-62 | EU | 63CC-2 - | 112(B) HAPS | 40 CFR Part 63, | § 63.648(a) | Comply with the | [G]§ 60.482-8 | [G]§ 60.486(a) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | 12 | | Subpart CC | § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | specified 40 CFR Part 60, Subpart VV requirements for valves in heavy liquid service complying with §60.482-8. | § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) [G]§ 63.648(b) | [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)(5) | [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-62 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid service complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-62 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-62 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-62 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) | Comply with the | § 60.485(a) | [G]§ 60.486(a) | § 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) |
|---------------------------|-------------------------|---------------|-------------|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| | | 12 | | Subpart CC | § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10. | [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) | [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D) |
| F-62 | EU | 63CC-2 - 12 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10. | [G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | [G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D) |
| F-63 | 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 |
| F-65 | EU | R5412-1 | VOC | 30 TAC Chapter 115, Degreasing Processes | § 115.412(1) [G]§ 115.412(1)(A) § 115.412(1)(C) § 115.412(1)(D) [G]§ 115.412(1)(F) § 115.417(1) | Cold solvent cleaning. No person shall own or operate a system utilizing a VOC for the cold solvent cleaning of objects without the | [G]§ 115.415(1) § 115.415(3) ** See Periodic Monitoring Summary | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------|
| | | | | | | controls listed in §115.412(1)(A)-(F). | | | |
| F-66 | EU | R5412-1 | VOC | 30 TAC Chapter 115, Degreasing Processes | § 115.412(1) [G]§ 115.412(1)(A) § 115.412(1)(C) § 115.412(1)(D) [G]§ 115.412(1)(F) § 115.417(1) | Cold solvent cleaning. No person shall own or operate a system utilizing a VOC for the cold solvent cleaning of objects without the controls listed in §115.412(1)(A)-(F). | [G]§ 115.415(1) § 115.415(3) ** See Periodic Monitoring Summary | None | None |
| F-67 | EU | R5780-1 - 10 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Fugitive Emissions | § 115.787(a) | Components that contact a process fluid containing less than 5.0% highly-reactive volatile organic compounds by weight on an annual average basis are exempt from the requirements of this division (relating to Fugitive Emissions), except for 115.786(e) and (f) of this title (relating to Record keeping Requirements). | None | § 115.786(e) § 115.786(g) | None |
| F-67 | EU | R5352-1 - 15 | 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 | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | division except §115.356(3)(C) of this title. | | | |
| F-67 | EU | R5352-1 - 15 | 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 |
| F-67 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2) § 115.352(9) | Each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C). | None | § 115.356 § 115.356(3) [G]§ 115.356(3)(C) | None |
| F-67 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) | No process drains 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 dropping or exuding of process fluid | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | based on sight, smell, or sound. | | | |
| F-67 | EU | R5352-1-15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-67 | EU | R5352-1-15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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) |
| F-67 | EU | R5352-1-15 | VOC | 30 TAC Chapter | § 115.352(1)(A) | No valves shall be | § 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | 15 | | 115, Pet. Refinery & Petrochemicals | § 115.352(1) § 115.352(10) § 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) | 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 dropping or exuding of process fluid based on sight, smell, or sound. | § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 | § 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) | |
| F-67 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A) § 115.352(1) § 115.352(10) § 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 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 dropping 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 § 115.357(1) | § 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 |
| F-67 | EU | R5352-1 - 15 | VOC | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B) § 115.352(1) § 115.352(10) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) | No pump seals 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) | § 115.352(7) § 115.354(10) § 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(12) § 115.357(8) | concentration greater than 10,000 parts per million by volume above background as methane, or the dropping or exuding of process fluid based on sight, smell, or sound. | [G]§ 115.355 | § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5) | |
| F-67 | EU | 60GGG-3 - 11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(d) | Comply with the requirements as stated in §60.482-1(d) for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) | None |
| F-67 | EU | 60GGG-3 - 11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 | Comply with the requirements as stated in §60.482-2 for pumps in light-liquid service. | [G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d) | [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) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-67 | EU | 60GGG-3 - 11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-4 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-4 for pressure relief devices in gas/vapor service. | [G]§ 60.482-4 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-67 | EU | 60GGG-3 - 11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 | Comply with the requirements in as stated in §60.482-5 for sampling | § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | [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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| | | | | | [G]§ 60.482-9 | connection systems. | § 60.592(d) | § 60.592(e) | § 60.592(e) |
| F-67 | EU | 60GGG-3 - 11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 | 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) § 60.592(d) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-67 | EU | 60GGG-3 - 11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 60.592(b) | Comply with the requirements in as stated in §60.482-7 for valves in gas/vapor or light-liquid service. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d) | [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(g) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) § 60.592(e) |
| F-67 | EU | 60GGG-3 - 11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) | Comply with the requirements in as stated in §60.482-10 for flares. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-67 | EU | 60GGG-3 - 11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the requirements in as stated in §60.482-8 for flanges or other connectors. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) | [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e) |
| F-67 | EU | 60GGG-3 - 11 | VOC | 40 CFR Part 60, Subpart GGG | § 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 | Comply with the requirements in as stated in §60.482-8 for pressure relief | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) | [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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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 | devices in light-liquid service. | [G]§ 60.485(e) § 60.485(f) § 60.592(d) | § 60.486(e)(1) § 60.486(j) § 60.592(e) | § 60.592(e) |
| F-67 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(d) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service. | None | § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) | None |
| F-67 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2. | [G]§ 60.482-2 § 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(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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-67 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(a) § 60.482-4(b)(1) [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements 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) | [G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-67 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5 [G]§ 60.482-9 | Comply with the specified 40 CFR Part 60, Subpart VV requirements for sampling connection | § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | [G]§ 60.486(a) § 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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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) § 63.655(d)(2) | systems complying with §60.482-5. | | § 63.655(d)(1)(i) § 63.655(i)(5) | |
| F-67 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(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) [G]§ 63.648(b) | [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)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-67 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(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. | [G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 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(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(g) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) |
| F-67 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8. | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 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) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) |
| F-67 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 | Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief | [G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) | [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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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) § 63.655(d)(2) | devices in light liquid service complying with §60.482-8. | § 60.485(f) [G]§ 63.648(b) | § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | |
| F-67 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for flares complying with §60.482-10. | § 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g) | [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(D) |
| F-67 | EU | 63CC-2 - 11 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 63.648(a)(2) § 63.655(d)(2) | Comply with the specified 40 CFR Part 60, Subpart VV requirements for closed vent (or vapor collection) systems complying with §60.482-10. | [G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f) | [G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5) | § 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) [G]§ 63.655(f)(1)(i)(C) [G]§ 63.655(f)(1)(i)(D) |
| FL-1 | 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, except for emission event emissions as provided in §101.222(b). | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |
| FL-1 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.722(d) § 115.722(d)(1) § 115.722(d)(2) | All flares must continuously meet the requirements of | [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) | § 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) | § 115.725(n) § 115.726(a)(1)(B) [G]§ 115.726(a)(2) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| | | | | | [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G]§ 115.725(l) § 115.725(m)(2)(A) § 115.725(m)(2)(B) [G]§ 115.726(a)(2) | 40 CFR § 60.18(c)(2)-(6) and (d) as amended through October 17, 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare. | [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) § 115.725(k)(1) [G]§ 115.725(l) § 115.725(m)(1) § 115.725(m)(2)(A) § 115.725(m)(2)(B) § 115.725(n) | § 115.726(d)(10) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | |
| FL-1 | 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)(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 |
| FL-1 | EU | 60JA-1 | H2S | 40 CFR Part 60, Subpart Ja | § 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| FL-1 | CD | 61FF-1 | BENZENE | 40 CFR Part 61, Subpart FF | § 61.349(a) § 60.18 § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g) § 61.354(c) | 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. | § 60.18(f)(2) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) [G]§ 61.355(h) | § 61.354(c) § 61.354(c)(3) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i)(D) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(7) | § 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F) |
| FL-1 | 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 |
| FL-2 | 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, except for emission event emissions as provided in §101.222(b). | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |
| FL-2 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) | All flares must continuously meet the requirements of 40 CFR § | [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ | § 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) § 115.726(d)(10) | § 115.725(n) § 115.726(a)(1)(B) [G]§ 115.726(a)(2) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| | | | | | § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G] § 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G] § 115.725(l) § 115.725(m)(2)(A) § 115.725(m)(2)(B) [G] § 115.726(a)(2) | 60.18(c)(2)-(6) and (d) as amended through October 17, 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare. | 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) § 115.725(k)(1) [G] § 115.725(l) § 115.725(m)(1) § 115.725(m)(2)(A) § 115.725(m)(2)(B) § 115.725(n) | § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | |
| FL-2 | 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)(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 |
| FL-2 | EU | 60JA-1 | H2S | 40 CFR Part 60, Subpart Ja | § 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja |
| FL-2 | CD | 61FF-1 | BENZENE | 40 CFR Part 61, | § 61.349(a) | For each closed-vent | § 60.18(f)(2) | § 61.354(c) | § 61.357(d)(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) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| | | | | Subpart FF | § 60.18 § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g) § 61.354(c) | system and control device used to comply with §§61.343-61.348, properly design, install, operate, and maintain the closed-vent system and control device. | § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) [G]§ 61.355(h) | § 61.354(c)(3) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i)(D) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(7) | § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F) |
| FL-2 | 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 |
| FL-3 | 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, except for emission event emissions as provided in §101.222(b). | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |
| FL-3 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) § 115.725(d)(2) | All flares must continuously meet the requirements of 40 CFR § 60.18(c)(2)-(6) and | [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) | § 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) § 115.726(d)(10) § 115.726(d)(2) | § 115.725(n) § 115.726(a)(1)(B) [G]§ 115.726(a)(2) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| | | | | | § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G]§ 115.725(l) § 115.725(m)(2)(A) § 115.725(m)(2)(B) [G]§ 115.726(a)(2) | (d) as amended through October 17, 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare. | § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) § 115.725(k)(1) [G]§ 115.725(l) § 115.725(m)(1) § 115.725(m)(2)(A) § 115.725(m)(2)(B) § 115.725(n) | § 115.726(d)(3) § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | |
| FL-3 | 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)(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 |
| FL-3 | EU | 60JA-1 | H2S | 40 CFR Part 60, Subpart Ja | § 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja |
| FL-3 | CD | 61FF-1 | BENZENE | 40 CFR Part 61, Subpart FF | § 61.349(a) § 60.18 | For each closed-vent system and control | § 60.18(f)(2) § 61.349(a)(1)(i) | § 61.354(c) § 61.354(e)(3) | § 61.357(d)(7) § 61.357(d)(7)(iv) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| | | | | | § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g) § 61.354(c) | device used to comply with §§61.343-61.348, properly design, install, operate, and maintain the closed-vent system and control device. | § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) [G]§ 61.355(h) | § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i)(D) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(7) | § 61.357(d)(7)(iv)(F) |
| FL-3 | 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 |
| FL-4 | 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, except for emission event emissions as provided in §101.222(b). | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |
| FL-4 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) | All flares must continuously meet the requirements of 40 CFR § 60.18(c)(2)-(6) and (d) as amended | [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) | § 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) § 115.726(d)(10) § 115.726(d)(2) § 115.726(d)(3) | § 115.725(n) § 115.726(a)(1)(B) [G]§ 115.726(a)(2) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| | | | | | [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G]§ 115.725(l) § 115.725(m)(2)(A) § 115.725(m)(2)(B) [G]§ 115.726(a)(2) | through October 17, 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare. | § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) § 115.725(k)(1) [G]§ 115.725(l) § 115.725(m)(1) § 115.725(m)(2)(A) § 115.725(m)(2)(B) § 115.725(n) | § 115.726(d)(4) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | |
| FL-4 | 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)(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 |
| FL-4 | EU | 60JA-1 | H2S | 40 CFR Part 60, Subpart Ja | § 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja |
| FL-4 | CD | 61FF-1 | BENZENE | 40 CFR Part 61, Subpart FF | § 61.349(a) § 60.18 § 61.349(a)(1)(i) | For each closed-vent system and control device used to | § 60.18(f)(2) § 61.349(a)(1)(i) § 61.349(e) | § 61.354(c) § 61.354(c)(3) § 61.356(f) | § 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| | | | | | § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g) § 61.354(c) | comply with §§61.343-61.348, properly design, install, operate, and maintain the closed-vent system and control device. | § 61.349(f) § 61.354(c) § 61.354(c)(3) [G]§ 61.355(h) | § 61.356(f)(1) § 61.356(f)(2)(i)(D) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(7) | |
| FL-4 | 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 |
| FL-5 | 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, except for emission event emissions as provided in §101.222(b). | § 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii) | § 111.111(a)(4)(A)(ii) | None |
| FL-5 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.722(d) § 115.722(d)(1) § 115.722(d)(2) [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ | All flares must continuously meet the requirements of 40 CFR § 60.18(c)(2)-(6) and (d) as amended through October 17, | [G]§ 115.725(d)(1) § 115.725(d)(2) § 115.725(d)(2)(A)(i) [G]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) | § 115.726(a)(1) § 115.726(a)(1)(A) § 115.726(d)(1) § 115.726(d)(10) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) | § 115.725(n) § 115.726(a)(1)(B) [G]§ 115.726(a)(2) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| | | | | | 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) [G]§ 115.725(l) § 115.725(m)(2)(A) § 115.725(m)(2)(B) [G]§ 115.726(a)(2) | 2000 (65 FR 61744) when vent gas containing HRVOC is being routed to the flare. | § 115.725(d)(2)(B) § 115.725(d)(2)(B)(i) § 115.725(d)(2)(B)(ii) § 115.725(d)(2)(B)(iii) § 115.725(d)(2)(B)(iv) § 115.725(d)(3) § 115.725(d)(4) § 115.725(d)(5) § 115.725(d)(6) § 115.725(d)(7) § 115.725(k)(1) [G]§ 115.725(l) § 115.725(m)(1) § 115.725(m)(2)(A) § 115.725(m)(2)(B) § 115.725(n) | § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | |
| FL-5 | 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)(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 |
| FL-5 | EU | 60JA-1 | H2S | 40 CFR Part 60, Subpart Ja | § 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja |
| FL-5 | CD | 61FF-1 | BENZENE | 40 CFR Part 61, Subpart FF | § 61.349(a) § 60.18 § 61.349(a)(1)(i) § 61.349(a)(1)(iii) | For each closed-vent system and control device used to comply with | § 60.18(f)(2) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) | § 61.354(c) § 61.354(e)(3) § 61.356(f) § 61.356(f)(1) | § 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|--------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g) § 61.354(c) | §§61.343-61.348, properly design, install, operate, and maintain the closed-vent system and control device. | § 61.354(c) § 61.354(c)(3) [G]§ 61.355(h) | § 61.356(f)(2)(i)(D) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(7) | |
| FL-5 | 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 |
| G-001 | EP | R1151-1 | PM | 30 TAC Chapter 111, Nonagricultural Processes | § 111.151(a) § 111.151(c) | No person may cause, suffer, allow, or permit emissions of particulate matter from any source to exceed the allowable rates specified in Table 1 as follows, except as provided by §111.153 of this title (relating to Emissions Limits for Steam Generators). | ** See CAM Summary | None | None |
| G-001 | EP | R1111-1 | PM (OPACITY) | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(C) § 111.111(a)(1)(E) § 111.111(a)(3) | Visible emissions from a stationary vent shall not exceed an opacity of 15% averaged over a 6- | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------|----------------------------------------------|
| | | | | | | minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed. | | | |
| G-001 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(c)(2) | A vent gas stream that has the potential to emit HRVOCs, but has a concentration less than 100 ppmv at all times or has a maximum potential flow rate equal to or less than 100 dry standard cubic feet per hour is exempt from this division with the exception of § 115.726(e)(3)(A) of this title. The maximum potential HRVOC emissions for the sum of all vent gas streams claimed under this exemption, must be less for the account specified in § 115.722(a) or (b) of this title than 0.5 tpy. | None | § 115.726(e)(3)(A) § 115.726(j)(2) | None |
| G-001 | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2) | A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any | [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) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | continuous 24-hour period is exempt from the requirements of § 115.121(a)(1). | | | |
| G-001 | 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 < 612 ppmv is exempt from § 115.121(a)(1). | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| G-001 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) [G]§ 117.310(a)(2)(C) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods | [G]§ 117.310(a)(2)(C) [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(g) § 117.340(c)(1) § 117.340(c)(1)(H) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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) | § 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | [G]§ 117.310(a)(2)(C) § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | specified in § 117.9800 to comply with § 117.320. | § 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-001 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(e) [G]§ 117.340(f)(2) § 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) § 117.8120 § 117.8120(1) § 117.8120(1)(A) | § 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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) |
| G-001 | EU | 60JA-1 | H ₂ S | 40 CFR Part 60, Subpart Ja | § 60.100a(a) The permit holder shall comply with the | The permit holder shall comply with the applicable | The permit holder shall comply with the applicable monitoring | The permit holder shall comply with the applicable | The permit holder shall comply with the applicable reporting |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja | requirements of 40 CFR Part 60, Subpart Ja | and testing requirements of 40 CFR Part 60, Subpart Ja | recordkeeping requirements of 40 CFR Part 60, Subpart Ja | requirements of 40 CFR Part 60, Subpart Ja |
| G-001 | EU | 63UUU-1 | CO | 40 CFR Part 63, Subpart UUU | § 63.1565(a)(1)-Table8.1 § 63.1565(a)(1) § 63.1565(a)(2) § 63.1565(a)(2)-Table9.1 § 63.1565(a)(3) § 63.1565(a)(4) § 63.1565(b)(3) § 63.1565(b)(4) § 63.1565(b)(4)-Table12.1 § 63.1565(c)(1) § 63.1565(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g) [G]§ 63.1571(e) | For each new and existing CCU subject to the NSPS for CO in 40 CFR §60.103 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)-Table10.1 § 63.1565(c)(1)-Table13.1 § 63.1565(c)(1)-Table14.1 [G]§ 63.1571(b) § 63.1572(a) § 63.1572(a)(1) § 63.1572(a)(1)-Table40.2 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d) [G]§ 63.1573(a)(2) | § 63.1565(b)(1)-Table10.1 § 63.1570(c) [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)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) [G]§ 63.1575(i) |
| G-001 | EU | 63UUU-1 | PM | 40 CFR Part 63, Subpart UUU | § 63.1564(a)(1)(ii)-Table1.3 § 63.1564(a)(1) § 63.1564(a)(2) § 63.1564(a)(2)-Table2.3.c § 63.1564(a)(3) § 63.1564(a)(4) § 63.1564(b)(3) § 63.1564(b)(4) § 63.1564(b)(4)(ii) § 63.1564(b)(5) | For each new or existing CCU not subject to NSPS for PM in 40 CFR §60.102 and electing to comply with the PM emission limit (Option 2), PM emissions must not exceed 1.0 kg/1,000 kg (1.0 lb/1,000 lbs) of coke burn-off in | § 63.1564(b)(1) § 63.1564(b)(1)-Table3.3.c.i.(1) § 63.1564(b)(2) § 63.1564(b)(2)-Table4.1.a § 63.1564(b)(2)-Table4.1.b § 63.1564(b)(2)-Table4.1.c § 63.1564(b)(2)-Table4.1.d | § 63.1564(b)(1)-Table3.3.c.i.(1) § 63.1564(b)(2)-Table4.1.f § 63.1564(b)(2)-Table4.6.b § 63.1564(b)(2)-Table4.6.e § 63.1564(b)(2)-Table4.6.f § 63.1564(c)(1)-Table6.3 § 63.1564(c)(2) | § 63.1564(b)(6) § 63.1564(b)(7) § 63.1570(f) § 63.1571(a) § 63.1571(d)(4) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 63.1564(b)(5)-Table5.3 § 63.1564(c)(1) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g) [G]§ 63.1571(e) | the catalyst regenerator. | § 63.1564(b)(2)-Table4.1.f § 63.1564(b)(2)-Table4.3.a § 63.1564(b)(2)-Table4.3.b § 63.1564(b)(2)-Table4.6.b § 63.1564(b)(2)-Table4.6.e § 63.1564(b)(2)-Table4.6.f § 63.1564(c)(1)-Table6.3 § 63.1564(c)(1)-Table7.3.c.i § 63.1564(c)(1)-Table7.3.c.ii § 63.1571(a) § 63.1571(a)(1) [G]§ 63.1571(b) § 63.1572(c) § 63.1572(c)(1) § 63.1572(c)(2) § 63.1572(c)(3) § 63.1572(c)(4) [G]§ 63.1572(d) [G]§ 63.1573(a)(2) | § 63.1570(c) § 63.1572(c)(4) § 63.1572(c)(5) [G]§ 63.1576(a) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i) | [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) [G]§ 63.1575(i) |
| G-1040 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | § 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) § 115.142(1)(H) § 115.147(7)(A) [G]§ 115.148 | The wastewater component shall meet the specified control requirements. | [G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(A) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) | [G]§ 115.142(1)(H) § 115.144(3)(A) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| | | | | | | | § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | | |
| G-1040 | 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(b) § 60.692-3(e) § 60.692-5(a) § 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)(1) § 60.696(a) | § 60.695(a)(1) § 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)(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)(viii) | § 60.698(b)(1) § 60.698(d) § 60.698(d)(1) § 60.698(e) |
| G-1040 | EU | 61FF-1 | BENZENE | 40 CFR Part 61, Subpart FF | § 61.347(a)(1) § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(C) § 61.347(a)(1)(i)(C)(1) § 61.347(a)(1)(i)(C)(2) § 61.347(a)(1)(i)(C)(3) § 61.347(b) § 61.347(c) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g) | Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the oil-water separator to a control device. | § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(C)(2) § 61.347(a)(1)(i)(C)(3) § 61.347(b) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(1) § 61.354(g) [G]§ 61.355(h) | § 61.354(c) § 61.354(c)(1) § 61.354(g) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(A) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(4) § 61.356(m) | § 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A) § 61.357(d)(7)(v) |
| G-1041 | EU | R5140-1 | VOC | 30 TAC Chapter | § 115.142(1) | The wastewater | [G]§ 115.142(1)(H) | [G]§ 115.142(1)(H) | 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, Industrial Wastewater | § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) § 115.142(1)(H) § 115.147(7)(A) [G]§ 115.148 | component shall meet the specified control requirements. | [G]§ 115.144(1) § 115.144(3)(A) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | § 115.144(3)(A) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | |
| G-1041 | 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(b) § 60.692-3(e) § 60.692-5(a) § 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)(1) § 60.696(a) | § 60.695(a)(1) § 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)(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)(viii) | § 60.698(b)(1) § 60.698(d) § 60.698(d)(1) § 60.698(e) |
| G-1041 | EU | 61FF-1 | BENZENE | 40 CFR Part 61, Subpart FF | § 61.347(a)(1) § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(C) § 61.347(a)(1)(i)(C)(1) § 61.347(a)(1)(i)(C)(2) § 61.347(a)(1)(i)(C)(3) § 61.347(b) § 61.347(c) § 61.349(a) | Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the oil-water separator to a control device. | § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(C)(2) § 61.347(a)(1)(i)(C)(3) § 61.347(b) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(1) | § 61.354(c) § 61.354(c)(1) § 61.354(g) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(A) | § 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A) § 61.357(d)(7)(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) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g) | | § 61.354(g) [G]§ 61.355(h) | § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(4) § 61.356(m) | |
| G-18-1403 | EP | R1111-1 | 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 |
| G-18-1403 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(c)(2) | A vent gas stream that has the potential to emit HRVOCs, but has a concentration less than 100 ppmv at all times or has a maximum potential flow rate equal to or less than 100 dry standard cubic feet per hour is exempt from this division with the exception of § 115.726(e)(3)(A) of this title. The maximum potential HRVOC emissions for the sum of all vent gas streams | None | § 115.726(e)(3)(A) § 115.726(j)(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) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| | | | | | | claimed under this exemption, must be less for the account specified in § 115.722(a) or (b) of this title than 0.5 tpy. | | | |
| G-18-1403 | CD | 61FF-1 | 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)(A) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 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. | § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(1) § 61.354(f)(2) [G]§ 61.355(h) | § 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(1) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(A) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(ii) § 61.356(j)(4) | § 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A) |
| G-2063 | EP | R1111-1 | 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 |
| G-2063 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(c)(2) | A vent gas stream that has the potential to emit HRVOCs, but has a concentration less than 100 ppmv | None | § 115.726(e)(3)(A) § 115.726(j)(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | | at all times or has a maximum potential flow rate equal to or less than 100 dry standard cubic feet per hour is exempt from this division with the exception of § 115.726(e)(3)(A) of this title. The maximum potential HRVOC emissions for the sum of all vent gas streams claimed under this exemption, must be less for the account specified in § 115.722(a) or (b) of this title than 0.5 tpy. | | | |
| G-2063 | EU | 60QQQ-1 | VOC | 40 CFR Part 60, Subpart QQQ | § 60.692-5 § 60.692-1(a) § 60.692-5(a) § 60.692-5(d) [G]§ 60.692-5(e) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b) | Standard for closed vent system and control devices. | § 60.695(a) § 60.695(a)(1) § 60.696(a) | § 60.695(a)(1) § 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)(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)(viii) | § 60.698(b)(1) § 60.698(d) § 60.698(d)(1) § 60.698(e) |
| G-2063 | CD | 61FF-1 | BENZENE | 40 CFR Part 61, Subpart FF | § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) | For each closed-vent system and control device used to | § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) | § 61.349(a)(1)(ii) § 61.354(c) § 61.354(c)(1) | § 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| | | | | | § 61.349(a)(1)(ii)(A) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g) | comply with §§61.343-61.348, properly design, install, operate, and maintain the closed-vent system and control device. | § 61.349(f) § 61.354(c) § 61.354(c)(1) § 61.354(f)(2) [G]§ 61.355(h) | § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(A) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(ii) § 61.356(j)(4) | |
| GSRU | EU | REG2-1 | SO ₂ | 30 TAC Chapter 112, Sulfur Compounds | § 112.7(a) § 112.7(b) | No person may cause, suffer, allow, or permit emissions of SO ₂ to exceed the emission limits specified for stack effluent flow rates < 4,000 scfm as determined by the specified equation. | § 112.2(a) ** See Periodic Monitoring Summary | § 112.2(c) | § 112.2(b) |
| GSRU | EU | 60JA-1 | H ₂ S | 40 CFR Part 60, Subpart Ja | § 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja |
| GSRU | EU | 63UUU-1 | 112(B) HAPS | 40 CFR Part 63, Subpart UUU | § 63.1569(a)(1)(i)-Table36.1 § 63.1569(a)(1) § 63.1569(a)(3) § 63.1569(b)(2) | If you elect to install an automated system (Option 1), you must install and operate a device (including a | § 63.1569(b)(1) § 63.1569(b)(1)-Table37.1 § 63.1569(c)(1)-Table39.1 | § 63.1569(b)(1)-Table37.1 § 63.1569(c)(1)-Table39.1 § 63.1569(c)(1)- | § 63.1569(b)(3) § 63.1569(b)(4) § 63.1569(c)(1)-Table39.5 § 63.1570(f) § 63.1571(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) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 63.1569(b)(2)-Table38.1.a § 63.1569(c)(1) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g) | flow indicator, level recorder, or electronic valve position monitor) to demonstrate, either continuously or at least every hour, whether flow is present in the bypass line. Install the device at or near as practical to the entrance to any bypass line that could divert the vent stream away from the control device to the atmosphere. | § 63.1571(a) § 63.1571(a)(1) [G]§ 63.1571(b) | Table39.5 § 63.1570(c) [G]§ 63.1576(a) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i) | [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) |
| GSRU | EU | 63UUU-1 | SO ₂ | 40 CFR Part 63, Subpart UUU | § 63.1568(a)(1)-Table29.1.a § 63.1568(a)(1) § 63.1568(a)(2) § 63.1568(a)(2)-Table30.1 § 63.1568(a)(3) § 63.1568(b)(3) § 63.1568(b)(4) § 63.1568(b)(5) § 63.1568(b)(5)-Table33.1.a § 63.1568(c)(1) § 63.1568(c)(1)-Table35.1 § 63.1568(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g) | For each new or existing Claus SRU part of a sulfur recovery plant of 20 long tons per day or more and subject to NSPS for sulfur oxides in 40 CFR §60.104(a)(2), you must meet the emission limit for each process vent of 250ppmv (dry basis) of sulfur dioxide (SO ₂) 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)-Table31.1.a § 63.1568(c)(1)-Table34.1.a § 63.1572(a)(1)-Table40.4 § 63.1572(a)(1)-Table40.8 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d) | § 63.1568(b)(1)-Table31.1.a § 63.1568(c)(1)-Table34.1.a § 63.1570(c) [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) | § 63.1568(b)(6) § 63.1568(b)(7) § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [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) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| H-13-1401 | EP | R1111-1 | 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 |
| H-13-1401 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) § 115.725(a)(7) § 115.725(a)(7)(C) [G]§ 115.725(l) [G]§ 115.726(a)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(a)(7)(A) § 115.725(a)(7)(B) § 115.725(a)(7)(C) [G]§ 115.725(l) § 115.725(n) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(a)(7)(A) § 115.725(a)(7)(B) § 115.725(n) [G]§ 115.726(a)(2) |
| H-13-1401 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 117.8010 [G]§ 117.8010(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | § 117.340(a) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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) § 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) |
| H-13-1401 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) [G]§ 117.340(f)(2) § 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) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------------------------------------------------|
| | | | | | | | § 117.8100(a)(1)(C) § 117.8100(a)(2) [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) | | [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c) |
| H-13-1401 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| H-13-1421 | EP | R1111-1 | 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 |
| H-13-1421 | EP | R5720-1 | HIGHLY REACTIVE | 30 TAC Chapter 115, HRVOC Vent | § 115.727(f) § 115.725(a)(1)(A) | All sites that are subject to this | § 115.725(a) § 115.725(a)(1)(A) | § 115.726(b)(1) § 115.726(b)(2) | [G]§ 115.725(a)(4) § 115.725(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) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | VOC | Gas | § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | § 115.725(n) [G]§ 115.726(a)(2) |
| H-13-1421 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | § 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) | | |
| H-13-1421 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) [G]§ 117.340(f)(2) § 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) § 117.8120 § 117.8120(1) § 117.8120(1)(A) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| H-13-1421 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| H-13-1451 | EP | R1111-1 | 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 |
| H-13-1451 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) § 115.725(a)(7) § 115.725(a)(7)(C) [G]§ 115.725(l) [G]§ 115.726(a)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(a)(7)(A) § 115.725(a)(7)(B) § 115.725(a)(7)(C) [G]§ 115.725(l) § 115.725(n) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(a)(7)(A) § 115.725(a)(7)(B) § 115.725(n) [G]§ 115.726(a)(2) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | title (relating to Counties and Compliance Schedules). | | | |
| H-13-1451 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 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) |
| H-13-1451 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) | § 117.345(a) § 117.345(f) § 117.345(f)(1) | § 117.335(b) § 117.335(g) [G]§ 117.345(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) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 117.340(f)(1) | dry basis. | § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) [G]§ 117.340(f)(2) § 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) § 117.8120 § 117.8120(1) § 117.8120(1)(A) | [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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) |
| H-13-1451 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 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) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| H-13-1480 | EP | R1111-1 | 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 |
| H-13-1480 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2) |
| H-13-1480 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 117.8010 [G]§ 117.8010(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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) § 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) |
| H-13-1480 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) [G]§ 117.340(f)(2) § 117.8100(a) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | | § 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) | | [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) |
| H-13-1480 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| H-15 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 117.8010 [G]§ 117.8010(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | § 117.340(a) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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) § 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) |
| H-15 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(e) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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)(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) | | [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c) |
| H-15 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| H-16 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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)(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) |
| H-16 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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)(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) | | [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c) |
| H-16 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| H-16&17 | EP | R1111-1 | 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 |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H-16&17 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2) |
| H-17 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.8100(a) § 117.8100(a)(1) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | § 117.8100(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) | | § 117.8100(c) |
| H-17 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) [G]§ 117.340(f)(2) § 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) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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)(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) | | |
| H-17 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| H-18 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | § 117.8100(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) | | § 117.8100(c) |
| H-18 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) [G]§ 117.340(f)(2) § 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) § 117.8120 | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | | § 117.8120(1) § 117.8120(1)(A) | | |
| H-18 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| H-19 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 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) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | alternative methods specified in § 117.9800 to comply with § 117.320. | § 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) | | |
| H-19 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) [G]§ 117.340(f)(2) § 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) § 117.8120 § 117.8120(1) § 117.8120(1)(A) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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) |
| H-19 | EU | 60J-1 | HYDROGEN SULFIDE | 40 CFR Part 60, Subpart J | § 60.104(a)(1) | No owner or operator subject to | [G]§ 60.105(a)(3) § 60.106(a) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(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) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | § 60.106(e)(2) | | § 60.107(f) § 60.107(g) |
| H-20 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 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) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | | [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6) | | |
| H-20 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) [G]§ 117.340(f)(2) § 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) § 117.8120 § 117.8120(1) § 117.8120(1)(A) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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) |
| H-20 | 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 | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 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) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | | | |
| H-21 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 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) |
| H-21 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) | CO emissions must not exceed 400 | [G]§ 117.335(a)(1) § 117.335(a)(4) | § 117.345(a) § 117.345(f) | § 117.335(b) § 117.335(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) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 117.310(c)(3) § 117.340(f)(1) | ppmv at 3.0% O ₂ , dry basis. | § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) [G]§ 117.340(f)(2) § 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) § 117.8120 § 117.8120(1) § 117.8120(1)(A) | § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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) |
| H-21 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 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) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H-22 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 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) |
| H-22 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | | § 117.340(a) [G]§ 117.340(f)(2) § 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) § 117.8120 § 117.8120(1) § 117.8120(1)(A) | | § 117.345(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) |
| H-22 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| H-23 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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) | § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.345(d)(3) § 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) |
| H-23 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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)(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) |
| H-23 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| H-27 | EP | R1111-1 | OPACITY | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(A) § 111.111(a)(1)(E) | Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period. | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |
| H-27 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) | All sites that are subject to this division and that are | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.726(a)(2) |
| H-27 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | | | |
| H-27 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120 § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |
| H-27 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| H-28 | EP | R1111-1 | OPACITY | 30 TAC Chapter | § 111.111(a)(1)(B) | Visible emissions | [G]§ 111.111(a)(1)(F) | 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) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | 111, Visible Emissions | § 111.111(a)(1)(E) | 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. | ** See Periodic Monitoring Summary | | |
| H-28 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2) |
| H-28 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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)(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) |
| H-28 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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)(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(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c) |
| H-28 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| H-29 | EP | R1111-1 | 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 | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | 31, 1972. | | | |
| H-29 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2) |
| H-29 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [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) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) | | [G]§ 117.8010(8) |
| H-29 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120 § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |
| H-29 | 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 ₂ S) in | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 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) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | excess of 230 mg/dscm (0.10 gr/dscf). | | | |
| H-31 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |
| H-31 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120 § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B) | | § 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) |
| H-31 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| H-31&32 | EP | R1111-1 | 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 |
| H-31&32 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) | All sites that are subject to this division and that are located in the | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(j)(1) § 115.726(j)(2) | |
| H-32 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | may use the alternative methods specified in § 117.9800 to comply with § 117.320. | | | |
| H-32 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120 § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |
| H-32 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| H-34 | EP | R1111-1 | OPACITY | 30 TAC Chapter 111, Visible | § 111.111(a)(1)(B) § 111.111(a)(1)(E) | Visible emissions from any stationary | [G]§ 111.111(a)(1)(F) ** See Periodic | 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) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | Emissions | | 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. | Monitoring Summary | | |
| H-34 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2) |
| H-34 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(c)(1) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 117.340(p)(1) § 117.340(p)(3) | emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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)(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) |
| H-34 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(B)(iii) § 117.8100(a)(1)(C) § 117.8100(a)(2) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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]§ 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) | | [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c) |
| H-34 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| H-35 | EP | R1111-1 | 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 |
| H-35 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) | All sites that are subject to this division and that are located in the | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(j)(1) § 115.726(j)(2) | |
| H-35 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(ii) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | may use the alternative methods specified in § 117.9800 to comply with § 117.320. | | | |
| H-35 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(B) § 117.310(c)(3) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120 § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |
| H-35 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| H-44 | EP | R1111-1 | OPACITY | 30 TAC Chapter 111, Visible | § 111.111(a)(1)(B) § 111.111(a)(1)(E) | Visible emissions from any stationary | [G]§ 111.111(a)(1)(F) ** See Periodic | 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) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | Emissions | | 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. | Monitoring Summary | | |
| H-44 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2) |
| H-44 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(b)(1) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 117.340(p)(1) § 117.340(p)(3) | emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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)(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) |
| H-44 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) [G]§ 117.340(f)(2) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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) | | [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c) |
| H-44 | EU | 60DB-1 | SO ₂ | 40 CFR Part 60, Subpart Db | § 60.104(a)(1) § 60.104 | 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 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 this paragraph. | § 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.105(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1) | § 60.105(a)(4) | § 60.105(e) § 60.105(e)(3)(ii) § 60.107(e) § 60.107(f) |
| H-44 | EU | 60DB-1 | PM | 40 CFR Part 60, | § 60.40b(a) | This subpart applies | 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) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | Subpart Db | | to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr). | | § 60.49b(o) | § 60.49b(a)(1) § 60.49b(a)(3) |
| H-44 | EU | 60DB-1 | PM (OPACITY) | 40 CFR Part 60, Subpart Db | § 60.40b(a) | This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr). | None | [G]§ 60.49b(d) § 60.49b(o) | § 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) |
| H-44 | EU | 60DB-1 | NO _x | 40 CFR Part 60, Subpart Db | § 60.44b(a)(1)(i) § 60.44b(h) § 60.44b(i) § 60.46b(a) | Except as in §60.44b(k), (l), on/after §60.8 test, no facility combusting natural gas and distillate oil (low heat release rate) shall discharge gases containing NO _x in excess of 43 ng/J heat input. | § 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) |
| H-44 | EU | 60J-1 | HYDROGEN SULFIDE | 40 CFR Part 60, Subpart J | § 60.104(a)(1) | No owner or operator subject to | [G]§ 60.105(a)(3) § 60.106(a) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(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) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| | | | | | | the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | § 60.106(e)(2) | | § 60.107(f) § 60.107(g) |
| H-45 | EP | R1111-1 | 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 |
| H-45 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | Compliance Schedules). | | | |
| H-45 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 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) |
| H-45 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) | § 117.345(a) § 117.345(f) § 117.345(f)(1) | § 117.335(b) § 117.335(g) [G]§ 117.345(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) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 117.340(f)(1) | dry basis. | § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) [G]§ 117.340(f)(2) § 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) § 117.8120 § 117.8120(1) § 117.8120(1)(A) | [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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) |
| H-45 | 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 ₂ S) in excess of 230 | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 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). | | | |
| H-46 | EP | R1111-1 | 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 |
| H-46 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2) |
| H-46 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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) | § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.345(d)(3) § 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) |
| H-46 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(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) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | | § 117.340(e) [G]§ 117.340(f)(2) § 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) § 117.8120 § 117.8120(1) § 117.8120(1)(A) | | § 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) |
| H-46 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| H-50 | EP | R1111-1 | 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 | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | minute period for any source on which construction was begun after January 31, 1972. | | | |
| H-50 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2) |
| H-50 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | § 117.340(o)(1) § 117.340(p)(1) § 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) | | [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) |
| H-50 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) [G]§ 117.340(f)(2) § 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) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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)(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) | | |
| H-50 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| H-57 | EP | R1111-1 | 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 |
| H-57 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) § 115.725(a)(7) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(a)(7)(A) § 115.725(a)(7)(B) § 115.725(n) [G]§ 115.726(a)(2) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 115.725(a)(7)(C) [G]§ 115.725(l) [G]§ 115.726(a)(2) | this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(a)(5) [G]§ 115.725(a)(7)(A) § 115.725(a)(7)(B) § 115.725(a)(7)(C) [G]§ 115.725(l) § 115.725(n) | | |
| H-57 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | 117.9800 to comply with § 117.320. | § 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) | | |
| H-57 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) [G]§ 117.340(f)(2) § 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) § 117.8120 § 117.8120(1) § 117.8120(1)(A) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H-57 | EU | R7ICI-1 | NH ₃ | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(2) § 117.310(c)(2)(A) | For process heaters that inject urea or ammonia into the exhaust stream for NO _x control, ammonia emissions must not exceed 10 ppmv at 3.0% O ₂ , dry. | § 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(b)(1) § 117.340(b)(3) § 117.340(d) § 117.8000(b) § 117.8000(c) § 117.8000(c)(3) § 117.8000(c)(4) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8130 § 117.8130(3) | § 117.345(a) § 117.345(f) § 117.345(f)(11) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |
| H-57 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| H-58 | EP | R1111-1 | 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 | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | begun after January 31, 1972. | | | |
| H-58 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) § 115.725(a)(7) § 115.725(a)(7)(C) [G]§ 115.725(l) [G]§ 115.726(a)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(a)(7)(A) § 115.725(a)(7)(B) § 115.725(a)(7)(C) [G]§ 115.725(l) § 115.725(n) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(a)(7)(A) § 115.725(a)(7)(B) § 115.725(n) [G]§ 115.726(a)(2) |
| H-58 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3) § 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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | § 117.340(p)(1) § 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(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c) |
| H-58 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(e) [G]§ 117.340(f)(2) § 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) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(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)(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) | | |
| H-58 | EU | R7ICI-1 | NH ₃ | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(2) § 117.310(c)(2)(A) | For process heaters that inject urea or ammonia into the exhaust stream for NO _x control, ammonia emissions must not exceed 10 ppmv at 3.0% O ₂ , dry. | § 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(b)(1) § 117.340(b)(3) § 117.340(d) § 117.8000(b) § 117.8000(c) § 117.8000(c)(3) § 117.8000(c)(4) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8130 § 117.8130(3) | § 117.345(a) § 117.345(f) § 117.345(f)(11) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |
| H-58 | 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 ₂ S) in excess of 230 | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 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). | | | |
| H-60 | EP | R1111-1 | 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 |
| H-60 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2) |
| H-60 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b) [G]§ 117.310(e)(1) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(8) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(f)(1) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(3) | and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § 117.9800 to comply with § 117.320. | § 117.335(f) § 117.335(f)(1) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) § 117.340(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 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) | § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.345(d)(3) § 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) |
| H-60 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(A) § 117.310(c)(3) § 117.340(f)(1) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(f)(3) § 117.335(g) § 117.340(a) § 117.340(b)(1) § 117.340(b)(3) | § 117.345(a) § 117.345(f) § 117.345(f)(1) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9) § 117.8100(a)(5)(C) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5) § 117.8010 [G]§ 117.8010(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) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | | § 117.340(e) [G]§ 117.340(f)(2) § 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) § 117.8120 § 117.8120(1) § 117.8120(1)(A) | | § 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) |
| H-60 | 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 ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). | [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2) | [G]§ 60.105(a)(3) | § 60.105(e)(3)(i) § 60.107(d) § 60.107(f) § 60.107(g) |
| H-REF2 | EP | R1111-1 | 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 | [G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary | None | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| | | | | | | minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed. | | | |
| H-REF2 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(f) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2) | All sites that are subject to this division and that are located in the Houston/Galveston/Brazoria area as defined in §115.10 of this title (relating to Definitions), excluding Harris County, are exempt from § 115.722(b) and (c)(2) of this title, except as provided in § 115.729(a)(3) of this title (relating to Counties and Compliance Schedules). | § 115.725(a) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(B) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n) | § 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2) | [G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2) |
| J-108 | EU | R5311-1 | VOC | 30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref | § 115.311(a)(1) § 115.312(a)(2) § 115.312(a)(2)(B) | No emission of VOC from steam ejector or mechanical vacuum pump in a petroleum refinery unless vent stream is burned in accordance with §115.312(a) of this title. | [G]§ 115.315(a) ** See Periodic Monitoring Summary | § 115.316(a)(3) § 115.316(a)(4) | None |
| J-109 | EU | R5311-1 | VOC | 30 TAC Chapter | § 115.311(a)(1) | No emission of VOC | [G]§ 115.315(a) | § 115.316(a)(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, Unit Turn & Vac System-Pet Ref | § 115.312(a)(2) § 115.312(a)(2)(B) | from steam ejector or mechanical vacuum pump in a petroleum refinery unless vent stream is burned in accordance with §115.312(a) of this title. | ** See Periodic Monitoring Summary | § 115.316(a)(4) | |
| J-110 | EU | R5311-1 | VOC | 30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref | § 115.311(a)(1) § 115.312(a)(2) § 115.312(a)(2)(B) | No emission of VOC from steam ejector or mechanical vacuum pump in a petroleum refinery unless vent stream is burned in accordance with §115.312(a) of this title. | [G]§ 115.315(a) ** See Periodic Monitoring Summary | § 115.316(a)(3) § 115.316(a)(4) | None |
| J-111 | EU | R5311-1 | VOC | 30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref | § 115.311(a)(1) § 115.312(a)(2) § 115.312(a)(2)(B) | No emission of VOC from steam ejector or mechanical vacuum pump in a petroleum refinery unless vent stream is burned in accordance with §115.312(a) of this title. | [G]§ 115.315(a) ** See Periodic Monitoring Summary | § 115.316(a)(3) § 115.316(a)(4) | None |
| J-112 | EU | R5311-1 | VOC | 30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref | § 115.311(a)(1) § 115.312(a)(2) § 115.312(a)(2)(B) | No emission of VOC from steam ejector or mechanical vacuum pump in a petroleum refinery unless vent stream is burned in accordance with | [G]§ 115.315(a) ** See Periodic Monitoring Summary | § 115.316(a)(3) § 115.316(a)(4) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------|
| | | | | | | §115.312(a) of this title. | | | |
| LND-UNLOAD | EU | R5211-1 | VOC | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i) | Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified. | § 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4) | § 115.216 § 115.216(2) § 115.216(3)(B) | None |
| MVDU-01 | EP | R1111-1 | 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 |
| MVDU-01 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(c)(2) | A vent gas stream that has the potential to emit HRVOCs, but has a concentration less than 100 ppmv at all times or has a maximum potential flow rate equal to or less than 100 dry standard cubic feet per hour is exempt from this division with the exception of | None | § 115.726(e)(3)(A) § 115.726(j)(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) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | § 115.726(e)(3)(A) of this title. The maximum potential HRVOC emissions for the sum of all vent gas streams claimed under this exemption, must be less for the account specified in § 115.722(a) or (b) of this title than 0.5 tpy. | | | |
| MVDU-01 | EU | R7ICI-1 | NO _x | 30 TAC Chapter 117, Subchapter B | § 117.310(d)(3) § 117.310(a) [G]§ 117.310(a)(16) § 117.310(b) [G]§ 117.310(e)(1) § 117.310(e)(2) [G]§ 117.310(e)(3) § 117.310(e)(4) § 117.340(l)(2) § 117.340(p)(1) § 117.340(p)(2)(C) § 117.340(p)(3) | An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO _x emission specifications but shall use the mass emissions cap and trade program in Chapter 101, Subchapter H, Division 3, except that electric generating facilities must also comply with the daily and 30-day system cap emission limitations of § 117.320. An owner or operator may use the alternative methods specified in § | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1) § 117.340(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) | § 117.345(a) § 117.345(f) § 117.345(f)(1) § 117.345(f)(9) | § 117.335(b) § 117.335(g) § 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | 117.9800 to comply with § 117.320. | | | |
| MVDU-01 | EU | R7ICI-1 | CO | 30 TAC Chapter 117, Subchapter B | § 117.310(c)(1) § 117.310(c)(1)(B) | CO emissions must not exceed 400 ppmv at 3.0% O ₂ , dry basis. | [G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120 § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B) | § 117.345(a) § 117.345(f) § 117.345(f)(9) | § 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) |
| R5VNT H-20 | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2) | A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1). | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| R5VNT H-20 | EU | 63UUU-1 | TOC | 40 CFR Part 63, Subpart UUU | § 63.1566(a)(1)(ii)-Table15.2 § 63.1566(a)(1) § 63.1566(a)(2) § 63.1566(a)(2)-Table16.2.a § 63.1566(a)(3) | For each applicable process vent for a new or existing catalytic reforming unit, you can elect to reduce uncontrolled emissions of TOC or | § 63.1566(b)(1) § 63.1566(b)(2) § 63.1566(b)(2)-Table18.2.a § 63.1566(b)(2)-Table18.2.b § 63.1566(b)(2)- | § 63.1570(c) § 63.1572(c)(4) § 63.1572(c)(5) [G]§ 63.1576(a) § 63.1576(d) § 63.1576(e) § 63.1576(f) | § 63.1566(b)(7) § 63.1566(b)(8) § 63.1570(f) § 63.1571(a) § 63.1571(d)(4) [G]§ 63.1574(a) § 63.1574(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 63.1566(a)(4) § 63.1566(a)(5) § 63.1566(b)(1)-Table17.2 § 63.1566(b)(3) § 63.1566(b)(4) § 63.1566(b)(4)(i) § 63.1566(b)(6) § 63.1566(b)(6)-Table19.2 § 63.1566(c)(1) § 63.1566(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g) § 63.1571(d)(4) [G]§ 63.1571(e) | nonmethane TOC from your process vent by 98% by weight using a control device or to a concentration of 20 ppmv (dry basis as hexane), corrected to 3 % O ₂ , whichever is less stringent (Option 2). If you vent emissions to a boiler or process heater, the vent stream must be introduced into the flame zone or any other location that will achieve the percent reduct | Table18.2.c § 63.1566(b)(2)-Table18.2.d § 63.1566(b)(2)-Table18.2.f § 63.1566(b)(2)-Table18.2.h § 63.1566(c)(1)-Table20.2 § 63.1566(c)(1)-Table21.2.a § 63.1571(a) § 63.1571(a)(1) [G]§ 63.1571(b) § 63.1572(c) § 63.1572(c)(1) § 63.1572(c)(2) § 63.1572(c)(3) § 63.1572(c)(4) [G]§ 63.1572(d) | § 63.1576(g) § 63.1576(h) § 63.1576(i) | § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) |
| R5VNT H-21 | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2) | A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1). | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| R5VNT TGI-G | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(C) | No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in | [G]§ 115.125 § 115.126(1) § 115.126(1)(C) § 115.126(2) ** See Periodic Monitoring Summary | § 115.126 § 115.126(1) § 115.126(1)(C) § 115.126(2) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| | | | | | | accordance with §115.122(a)(1) of this title. | | | |
| R5VNT TGIS | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.121(a)(1) § 115.122(a)(1) § 115.122(a)(1)(C) | No person may allow a vent gas stream containing VOC to be emitted from any process vent, unless the vent gas stream is burned properly in accordance with §115.122(a)(1) of this title. | [G]§ 115.125 § 115.126(1) § 115.126(1)(C) § 115.126(2) ** See Periodic Monitoring Summary | § 115.126 § 115.126(1) § 115.126(1)(C) § 115.126(2) | None |
| SPSRU | EU | REG2-1 | SO ₂ | 30 TAC Chapter 112, Sulfur Compounds | § 112.7(a) | No person may cause, suffer, allow, or permit emissions of SO ₂ to exceed the emission limits specified for stack effluent flow rates < 4,000 scfm as determined by the specified equation. | § 112.2(a) ** See Periodic Monitoring Summary | § 112.2(c) | § 112.2(b) |
| SPSRU | EU | 60JA-1 | H ₂ S | 40 CFR Part 60, Subpart Ja | § 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja | The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja |
| SPSRU | EU | 63UUU-1 | 112(B) HAPS | 40 CFR Part 63, Subpart UUU | § 63.1569(a)(1)(i)-Table36.1 § 63.1569(a)(1) | If you elect to install an automated system (Option 1), you must | § 63.1569(b)(1) § 63.1569(b)(1)-Table37.1 | § 63.1569(b)(1)-Table37.1 § 63.1569(c)(1)- | § 63.1569(b)(3) § 63.1569(b)(4) § 63.1569(c)(1)-Table39.5 |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 63.1569(a)(3) § 63.1569(b)(2) § 63.1569(b)(2)-Table38.1.a § 63.1569(c)(1) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g) | install and operate a device (including a flow indicator, level recorder, or electronic valve position monitor) to demonstrate, either continuously or at least every hour, whether flow is present in the bypass line. Install the device at or near as practical to the entrance to any bypass line that could divert the vent stream away from the control device to the atmosphere. | § 63.1569(c)(1)-Table39.1 § 63.1571(a) § 63.1571(a)(1) [G]§ 63.1571(b) | Table39.1 § 63.1569(c)(1)-Table39.5 § 63.1570(c) [G]§ 63.1576(a) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i) | § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) |
| SPSRU | EU | 63UUU-1 | SO ₂ | 40 CFR Part 63, Subpart UUU | § 63.1568(a)(1)-Table29.1.a § 63.1568(a)(1) § 63.1568(a)(2) § 63.1568(a)(2)-Table30.1 § 63.1568(a)(3) § 63.1568(b)(3) § 63.1568(b)(4) § 63.1568(b)(5) § 63.1568(b)(5)-Table33.1.a § 63.1568(c)(1) § 63.1568(c)(1)-Table35.1 § 63.1568(e)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) | For each new or existing Claus SRU part of a sulfur recovery plant of 20 long tons per day or more and subject to NSPS for sulfur oxides in 40 CFR §60.104(a)(2), you must meet the emission limit for each process vent of 250ppmv (dry basis) of sulfur dioxide (SO ₂) at zero percent excess air if you use an oxidation or reduction control system followed by | § 63.1568(b)(1) § 63.1568(b)(1)-Table31.1.a § 63.1568(c)(1)-Table34.1.a § 63.1572(a)(1)-Table40.4 § 63.1572(a)(1)-Table40.8 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d) | § 63.1568(b)(1)-Table31.1.a § 63.1568(c)(1)-Table34.1.a § 63.1570(c) [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) | § 63.1568(b)(6) § 63.1568(b)(7) § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [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(g) | incineration. | | | |
| T-069 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(D) § 115.112(e)(2)(F) [G]§ 115.112(e)(2)(I) § 115.114(a)(1)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117 | § 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(6)(C) § 115.118(a)(7) | § 115.114(a)(1)(B) § 115.118(a)(3) |
| T-069 | EU | 60KB-1 | VOC | 40 CFR Part 60, Subpart Kb | § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) | Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix). | § 60.113b(a)(1) [G]§ 60.113b(a)(3) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) | § 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4) |
| T-069 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(n)(8) § 60.112b(a)(1) | Vessels described by § 63.640(n)(1) and | § 60.113b(a)(1) [G]§ 60.113b(a)(3) | § 60.115b § 60.115b(a)(2) | § 60.113b(a)(5) § 60.115b |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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)(i) § 60.112b(a)(1)(ii)(B) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) | (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi). | § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 63.640(n)(8)(ii) | § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.115b(a)(1) § 60.115b(a)(4) |
| T-070 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(A) § 115.112(e)(3)(A)(i) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.115(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 |
| T-070 | EU | 60KB-1 | VOC | 40 CFR Part 60, Subpart Kb | [G]§ 60.112b(a)(3) | Storage vessels specified in §60.112b(a) and equipped with a closed vent | [G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) | § 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b) | [G]§ 60.113b(c)(1) § 60.115b |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------------------|
| | | | | | | system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii). | § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary | | |
| T-070 | EU | 63CC-1 | 112(B)HAPS | 40 CFR Part 63, Subpart CC | § 63.640(n)(1) [G]§ 60.112b(a)(3) | After the compliance dates specified in paragraph (h) of this section, a Group1 or Group 2 storage vessel that is part of an existing source and is also subject to the provision of 40 CFR part 60, subpart Kb, is required to comply only with the requirements of 40 CFR part 60, subpart Kb, except as provided in paragraph (n)(8) of this section. | [G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary | § 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b) | [G]§ 60.113b(c)(1) § 60.115b |
| T-078 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 | § 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)(6)(C) § 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | | | |
| T-078 | 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)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 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) |
| T-078 | EU | 60QQQ-1 | VOC | 40 CFR Part 60, Subpart QQQ | § 60.692-3(d) § 60.692-1(a) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b) | Storage vessels, including slop oil tanks and other auxiliary tanks that are subject to the requirements of 40 CFR subparts K, Ka, or Kb, are not subject to the requirements of this section. | § 60.692-3(a)(4) § 60.696(a) | § 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) | § 60.698(b)(1) § 60.698(e) |
| T-088 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of | § 115.112(e)(1) § 115.112(e)(2) | No person shall place, store, or hold | § 115.114(a)(2) § 115.114(a)(3) | § 115.118(a)(3) § 115.118(a)(5) | § 115.114(a)(2)(B) § 115.114(a)(4)(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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | VOCs | § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A) | VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117 | § 115.118(a)(6)(C) § 115.118(a)(7) | § 115.118(a)(3) |
| T-o88 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.646(a) § 63.119(a)(1) § 63.119(c)(1) § 63.119(c)(1)(i) § 63.119(c)(1)(ii) § 63.119(c)(1)(iii) [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) [G]§ 63.646(f) § 63.646(g) | Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l). | § 63.120(b)(1)(i) § 63.120(b)(1)(iii) § 63.120(b)(1)(iv) § 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) § 63.646(b)(1) § 63.646(e) | [G]§ 63.120(b)(7) § 63.120(b)(8) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5) | § 63.120(b)(10)(ii) § 63.120(b)(10)(iii) § 63.120(b)(9) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i)(B) § 63.655(f)(6) § 63.655(g) [G]§ 63.655(g)(3) § 63.655(h) § 63.655(h)(1) § 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) [G]§ 63.655(h)(6) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| T-092 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.114(a)(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)(6)(C) § 115.118(a)(7) | § 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3) |
| T-092 | 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) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) | § 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | | [G]§ 60.116b(e)(3) | | |
| T-092 | EU | 60QQQ-1 | VOC | 40 CFR Part 60, Subpart QQQ | § 60.692-3(d) § 60.692-1(a) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b) | Storage vessels, including slop oil tanks and other auxiliary tanks that are subject to the requirements of 40 CFR subparts K, Ka, or Kb, are not subject to the requirements of this section. | § 60.692-3(a)(4) § 60.696(a) | § 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) | § 60.698(b)(1) § 60.698(e) |
| T-094 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | [G]§ 115.117 ** See Periodic Monitoring Summary | § 115.118(a)(5) § 115.118(a)(7) | None |
| T-095 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial | [G]§ 115.142(2) § 115.142 | The wastewater component shall be | § 115.144(2) § 115.144(2)(B) | § 115.146(1) § 115.146(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | Wastewater | § 115.147(7)(A) [G]§ 115.148 | equipped with a floating roof or internal floating cover which meets the requirements listed in §115.142(2)(A)-(F). | § 115.144(2)(C) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | § 115.146(3) § 115.146(4) | |
| T-095 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.114(a)(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)(6)(C) § 115.118(a)(7) | § 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3) |
| T-095 | EU | 60KB-1 | VOC | 40 CFR Part 60, Subpart Kb | [G]§ 60.112b(a)(2) | Storage vessels specified in §60.112b(a) and | [G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) | § 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) | § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii). | § 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) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) | § 60.116b(b) § 60.116b(c) | § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) |
| T-095 | EU | 60QQQ-1 | VOC | 40 CFR Part 60, Subpart QQQ | § 60.692-3(d) § 60.692-1(a) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b) | Storage vessels, including slop oil tanks and other auxiliary tanks that are subject to the requirements of 40 CFR subparts K, Ka, or Kb, are not subject to the requirements of this section. | § 60.692-3(a)(4) § 60.696(a) | § 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) | § 60.698(b)(1) § 60.698(e) |
| T-095 | 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) [G]§ 60.113b(b)(6) | § 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) |
| T-095 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, | § 63.640(n)(8) | Vessels described by | [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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | Subpart CC | [G]§ 60.112b(a)(2) § 63.640(n)(8)(i) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) | § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi). | [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) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii) | [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 63.640(n)(8)(vi) | § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.640(n)(8)(iv) § 63.640(n)(8)(v) |
| T-096 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and | § 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)(6)(C) § 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) |
|---------------------------|-------------------------|---------------|-----------|-------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | condensate. | | | |
| T-096 | 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) [G]§ 60.113b(b)(6) § 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) |
| T-096 | EU | 60QQQ-1 | VOC | 40 CFR Part 60, Subpart QQQ | § 60.692-3(d) § 60.692-1(a) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b) | Storage vessels, including slop oil tanks and other auxiliary tanks that are subject to the requirements of 40 CFR subparts K, Ka, or Kb, are not subject to the requirements of this section. | § 60.692-3(a)(4) § 60.696(a) | § 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) | § 60.698(b)(1) § 60.698(e) |
| T-100 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | [G]§ 115.142(2) § 115.142 § 115.147(7)(A) [G]§ 115.148 | The wastewater component shall be equipped with a floating roof or internal floating cover which meets the requirements listed in | § 115.144(2) § 115.144(2)(B) § 115.144(2)(C) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) | § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------|
| | | | | | | §115.142(2)(A)-(F). | § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | | |
| T-100 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(D) § 115.112(e)(2)(F) [G]§ 115.112(e)(2)(I) § 115.114(a)(1)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117 | § 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(6)(C) § 115.118(a)(7) | § 115.114(a)(1)(B) § 115.118(a)(3) |
| T-100 | EU | 60KB-1 | VOC | 40 CFR Part 60, Subpart Kb | § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) | Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed | § 60.113b(a)(1) [G]§ 60.113b(a)(3) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) | § 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------|
| | | | | | § 60.112b(a)(1)(viii) | in §60.112b(a)(1)(i)-(ix). | [G]§ 60.116b(e)(3) | | |
| T-100 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) | Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi). | § 60.113b(a)(1) [G]§ 60.113b(a)(3) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 63.640(n)(8)(ii) | § 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4) |
| T-101 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | [G]§ 115.142(2) § 115.142 § 115.147(7)(A) [G]§ 115.148 | The wastewater component shall be equipped with a floating roof or internal floating cover which meets the requirements listed in §115.142(2)(A)-(F). | § 115.144(2) § 115.144(2)(B) § 115.144(2)(C) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |
| T-101 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(D) § 115.112(e)(2)(F) [G]§ 115.112(e)(2)(I) § 115.114(a)(1)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent | § 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117 | § 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(6)(C) § 115.118(a)(7) | § 115.114(a)(1)(B) § 115.118(a)(3) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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 vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | | | |
| T-101 | EU | 60KB-1 | VOC | 40 CFR Part 60, Subpart Kb | § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) | Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix). | § 60.113b(a)(1) [G]§ 60.113b(a)(3) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) | § 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4) |
| T-101 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) | Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi). | § 60.113b(a)(1) [G]§ 60.113b(a)(3) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 63.640(n)(8)(ii) | § 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| T-15-1902 | EU | R5112-1 | 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 |
| T-15-1902 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(2) | All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | § 63.646(b)(1) § 63.646(b)(2) | § 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5) | § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii) |
| T-15-1904 | EU | R5112-1 | 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 |
| T-15-1904 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(2) | All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | § 63.646(b)(1) § 63.646(b)(2) | § 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5) | § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 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) |
|---------------------------|-------------------------|---------------|-----------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------|
| T-16-1902 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | § 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) § 115.142(1)(H) § 115.147(7)(A) [G]§ 115.148 | The wastewater component shall meet the specified control requirements. | [G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(A) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | [G]§ 115.142(1)(H) § 115.144(3)(A) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |
| T-16-1902 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(A) § 115.112(e)(3)(A)(i) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.115(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 |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------|
| T-16-1902 | EU | 60KB-1 | VOC | 40 CFR Part 60, Subpart Kb | [G]§ 60.112b(a)(3) | Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii). | [G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary | § 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b) | [G]§ 60.113b(c)(1) § 60.115b |
| T-16-1902 | EU | 63CC-1 | 112(B)HAPS | 40 CFR Part 63, Subpart CC | § 63.640(n)(1) [G]§ 60.112b(a)(3) | After the compliance dates specified in paragraph (h) of this section, a Group 1 or Group 2 storage vessel that is part of an existing source and is also subject to the provisions of 40 CFR part 60, subpart Kb, is required to comply only with the requirements of 40 CFR part 60, subpart Kb, except as provided in paragraph (n)(8) of this section. | [G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary | § 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b) | [G]§ 60.113b(c)(1) § 60.115b |
| T-16-1922 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | § 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) § 115.142(1)(H) § 115.147(7)(A) [G]§ 115.148 | The wastewater component shall meet the specified control requirements. | [G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(A) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) | [G]§ 115.142(1)(H) § 115.144(3)(A) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | | § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | | |
| T-16-1922 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(A) § 115.112(e)(3)(A)(i) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.115(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 |
| T-16-1922 | EU | 60KB-1 | VOC | 40 CFR Part 60, Subpart Kb | [G]§ 60.112b(a)(3) | Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii). | [G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary | § 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b) | [G]§ 60.113b(c)(1) § 60.115b |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------|
| T-16-1922 | EU | 63CC-1 | 112(B)HAPS | 40 CFR Part 63, Subpart CC | § 63.640(n)(1) [G]§ 60.112b(a)(3) | After the compliance dates specified in paragraph (h) of this section, a Group 1 or Group 2 storage vessel that is part of an existing source and is also subject to the provisions of 40 CFR part 60, subpart Kb, is required to comply only with the requirements of 40 CFR part 60, subpart Kb, except as provided in paragraph (n)(8) of this section. | [G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary | § 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b) | [G]§ 60.113b(c)(1) § 60.115b |
| T-303 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(D) § 115.112(e)(2)(F) [G]§ 115.112(e)(2)(I) § 115.114(a)(1)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for | § 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117 | § 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(6)(C) § 115.118(a)(7) | § 115.114(a)(1)(B) § 115.118(a)(3) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | crude oil and condensate. | | | |
| T-303 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.646(a) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(iii) § 63.119(b)(4) § 63.120(a)(4) § 63.120(a)(7) [G]§ 63.646(f) § 63.646(g) | Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l). | § 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii) § 63.646(b)(1) § 63.646(b)(1) § 63.646(e) | § 63.120(a)(4) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5) | § 63.120(a)(5) § 63.120(a)(6) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i)(B) § 63.655(f)(6) § 63.655(g) § 63.655(g)(2) [G]§ 63.655(g)(2)(ii) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) [G]§ 63.655(h)(6) |
| T-307 | EU | R5112-1 | 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)(6)(A) § 115.118(a)(7) | None |
| T-307 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(2) | All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | § 63.646(b)(1) § 63.646(b)(2) | § 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5) | § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 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) |
|---------------------------|-------------------------|---------------|-------------|-------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| T-316 | EU | R5112-1 | 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)(6)(A) § 115.118(a)(7) | None |
| T-316 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(2) | All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | § 63.646(b)(1) § 63.646(b)(2) | § 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5) | § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii) |
| T-320 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | [G]§ 115.142(2) § 115.142 § 115.147(7)(A) [G]§ 115.148 | The wastewater component shall be equipped with a floating roof or internal floating cover which meets the requirements listed in §115.142(2)(A)-(F). | § 115.144(2) § 115.144(2)(B) § 115.144(2)(C) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |
| T-320 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is | § 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117 | § 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(6)(C) § 115.118(a)(7) | § 115.114(a)(1)(B) § 115.118(a)(3) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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(e)(2)(D) § 115.112(e)(2)(F) [G]§ 115.112(e)(2)(I) § 115.114(a)(1)(A) | capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | | | |
| T-320 | 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(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) |
| T-320 | 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) | 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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b) | | | | |
| T-320 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(n)(8) § 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) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) | Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi). | § 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)(1) [G]§ 60.116b(e)(3) § 63.640(n)(8)(ii) | § 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) § 63.640(n)(8)(iv) § 63.640(n)(8)(v) |
| T-321 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | [G]§ 115.142(2) § 115.142 § 115.147(7)(A) [G]§ 115.148 | The wastewater component shall be equipped with a floating roof or internal floating cover which meets the requirements listed in §115.142(2)(A)-(F). | § 115.144(2) § 115.144(2)(B) § 115.144(2)(C) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |
| T-321 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(D) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of | § 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117 | § 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(6)(C) § 115.118(a)(7) | § 115.114(a)(1)(B) § 115.118(a)(3) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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(e)(2)(F) [G]§ 115.112(e)(2)(I) § 115.114(a)(1)(A) | maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | | | |
| T-321 | 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(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) |
| T-321 | 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) | 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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b) | | | | |
| T-321 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(n)(8) § 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) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) | Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi). | § 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(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 63.640(n)(8)(ii) | § 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) § 63.640(n)(8)(iv) § 63.640(n)(8)(v) |
| T-330 | EU | R5112-1 | 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)(6)(A) § 115.118(a)(7) | None |
| T-330 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(2) | All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | § 63.646(b)(1) § 63.646(b)(2) | § 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5) | § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii) |
| T-335 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial | § 115.142(1) § 115.142 | The wastewater component shall | [G]§ 115.142(1)(H) [G]§ 115.144(1) | [G]§ 115.142(1)(H) § 115.144(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------|
| | | | | Wastewater | § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) § 115.142(1)(H) § 115.147(7)(A) [G]§ 115.148 | meet the specified control requirements. | § 115.144(3)(A) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | |
| T-335 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(A) § 115.112(e)(3)(A)(i) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.115(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 |
| T-335 | EU | 60KA-1 | VOC | 40 CFR Part 60, Subpart Ka | § 60.112a(a)(3) | Vessels storing petroleum liquids | [G]§ 60.113a(a)(2) ** See Periodic | None | [G]§ 60.113a(a)(2) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | with a TVP > 10.3 kPa (1.5 psia) but < 76.6 kPa (11.1 psia) shall have a vapor recovery system and return/disposal system with a > 95% VOC reduction efficiency. | Monitoring Summary | | |
| T-335 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.646(a) § 63.119(a)(1) § 63.119(e) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) § 63.646(g) | Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l). | § 63.120(d)(1) § 63.120(d)(5) § 63.120(d)(7) § 63.646(b)(1) | § 63.120(d)(1)(i) § 63.120(d)(1)(i)(A) § 63.120(d)(1)(i)(C) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5) | § 63.120(d)(1) § 63.120(d)(2) § 63.120(d)(2)(i) § 63.120(d)(2)(ii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(4) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(3) § 63.655(f)(6) [G]§ 63.655(g)(5) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(C) [G]§ 63.655(h)(6) |
| T-336 | EU | R5112-1 | 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 |
| T-337 | EU | R5112-1 | VOC | 30 TAC Chapter | § 115.111(a)(1) | Except as provided | [G]§ 115.117 | § 115.118(a)(1) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------|
| | | | | 115, Storage of VOCs | | 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. | | § 115.118(a)(5) § 115.118(a)(7) | |
| T-424 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(D) § 115.112(e)(2)(F) [G]§ 115.112(e)(2)(I) § 115.114(a)(1)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117 | § 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(6)(C) § 115.118(a)(7) | § 115.114(a)(1)(B) § 115.118(a)(3) |
| T-424 | EU | 60K-1 | VOC | 40 CFR Part 60, Subpart K | § 60.112(a)(1) | Storage vessels holding petroleum liquids with a true vapor pressure of 78 mm Hg (1.5 psia) or greater but not greater than 570 mm | § 60.113(a) § 60.113(b) ** See Periodic Monitoring Summary | § 60.113(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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | Hg (11.1 psia) shall have a floating roof, a vapor recovery system, or their equivalents. | | | |
| T-424 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.646(a) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(ii) § 63.119(b)(4) § 63.120(a)(4) § 63.120(a)(7) [G]§ 63.646(f) § 63.646(g) | Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l). | § 63.120(a)(2)(i) § 63.120(a)(2)(ii) § 63.646(b)(1) § 63.646(e) | § 63.120(a)(4) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5) | § 63.120(a)(5) § 63.120(a)(6) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i)(B) § 63.655(f)(6) § 63.655(g) § 63.655(g)(2) [G]§ 63.655(g)(2)(i) [G]§ 63.655(g)(2)(ii) § 63.655(h) § 63.655(h)(1) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) [G]§ 63.655(h)(6) |
| T-428 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for | § 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)(6)(C) § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | | | |
| T-428 | EU | 60K-1 | VOC | 40 CFR Part 60, Subpart K | § 60.112(a)(1) | Storage vessels holding petroleum liquids with a true vapor pressure of 78 mm Hg (1.5 psia) or greater but not greater than 570 mm Hg (11.1 psia) shall have a floating roof, a vapor recovery system, or their equivalents. | § 60.113(a) § 60.113(b) ** See Periodic Monitoring Summary | § 60.113(a) | None |
| T-428 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.646(a) § 63.119(a)(1) § 63.119(c)(1) § 63.119(c)(1)(i) § 63.119(c)(1)(ii) § 63.119(c)(1)(iii) [G]§ 63.119(c)(3) § 63.119(c)(4) § 63.120(b)(10)(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) [G]§ 63.646(f) § 63.646(g) | Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l). | § 63.120(b)(1)(i) § 63.120(b)(1)(iii) § 63.120(b)(1)(iv) § 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) § 63.646(b)(1) § 63.646(e) | [G]§ 63.120(b)(7) § 63.120(b)(8) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5) | § 63.120(b)(10)(ii) § 63.120(b)(10)(iii) § 63.120(b)(9) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i)(B) § 63.655(f)(6) § 63.655(g) [G]§ 63.655(g)(3) § 63.655(h) § 63.655(h)(1) § 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) [G]§ 63.655(h)(6) |
| T-436 | EU | R5112-1 | VOC | 30 TAC Chapter | § 115.112(e)(1) | No person shall | § 115.114(a)(2) | § 115.118(a)(3) | § 115.114(a)(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| | | | | 115, Storage of VOCs | § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A) | place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117 | § 115.118(a)(5) § 115.118(a)(6)(C) § 115.118(a)(7) | § 115.114(a)(4)(B) § 115.118(a)(3) |
| T-436 | 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) [G]§ 60.113b(b)(6) § 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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| T-444 | EU | R5112-1 | 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 |
| T-444 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(2) | All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | § 63.646(b)(1) § 63.646(b)(2) | § 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5) | § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii) |
| T-445 | EU | R5112-1 | 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 |
| T-445 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(2) | All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | § 63.646(b)(1) § 63.646(b)(2) | § 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5) | § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| T-446 | EU | R5112-1 | 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)(6)(A) § 115.118(a)(7) | None |
| T-446 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(2) | All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | § 63.646(b)(1) § 63.646(b)(2) | § 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5) | § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii) |
| T-451 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) | § 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)(6)(C) § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | of this paragraph for crude oil and condensate. | | | |
| T-451 | EU | 60K-1 | VOC | 40 CFR Part 60, Subpart K | § 60.112(a)(1) | Storage vessels holding petroleum liquids with a true vapor pressure of 78 mm Hg (1.5 psia) or greater but not greater than 570 mm Hg (11.1 psia) shall have a floating roof, a vapor recovery system, or their equivalents. | § 60.113(a) § 60.113(b) ** See Periodic Monitoring Summary | § 60.113(a) | None |
| T-451 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.646(a) § 63.119(a)(1) § 63.119(c)(1) § 63.119(c)(1)(i) § 63.119(c)(1)(ii) § 63.119(c)(1)(iii) [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) [G]§ 63.646(f) § 63.646(g) | Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l). | § 63.120(b)(1)(i) § 63.120(b)(1)(iii) § 63.120(b)(1)(iv) § 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) § 63.646(b)(1) § 63.646(e) | [G]§ 63.120(b)(7) § 63.120(b)(8) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5) | § 63.120(b)(10)(ii) § 63.120(b)(10)(iii) § 63.120(b)(9) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i)(B) § 63.655(f)(6) § 63.655(g) [G]§ 63.655(g)(3) § 63.655(h) § 63.655(h)(1) § 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) [G]§ 63.655(h)(6) |
| T-477 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is | § 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)(6)(C) § 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(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A) | capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | | | |
| T-477 | EU | 60KA-1 | VOC | 40 CFR Part 60, Subpart Ka | § 60.112a(a)(1) § 60.112a(a)(1)(i) § 60.112a(a)(1)(i)(A) § 60.112a(a)(1)(i)(C) § 60.112a(a)(1)(i)(D) § 60.112a(a)(1)(ii)(A) § 60.112a(a)(1)(ii)(B) § 60.112a(a)(1)(ii)(C) § 60.112a(a)(1)(ii)(D) § 60.112a(a)(1)(iii) § 60.112a(a)(1)(iv) | Vessels storing petroleum liquids with a TVP > 10.3 kPa (1.5 psia) but < 76.6 kPa (11.1 psia) shall be equipped with an external floating roof and closure device as specified. | § 60.113a(a)(1) § 60.113a(a)(1)(i) § 60.113a(a)(1)(i)(A) § 60.113a(a)(1)(i)(B) § 60.113a(a)(1)(i)(C) § 60.113a(a)(1)(i)(D) § 60.113a(a)(1)(i)(E) § 60.113a(a)(1)(ii)(A) § 60.113a(a)(1)(ii)(B) § 60.113a(a)(1)(ii)(C) § 60.113a(a)(1)(iii) § 60.113a(a)(1)(iv) § 60.115a(a) § 60.115a(b) | § 60.113a(a)(1)(i)(D) § 60.115a(a) | § 60.113a(a)(1)(i)(E) § 60.113a(a)(1)(iv) |
| T-477 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.646(a) § 63.119(a)(1) § 63.119(c)(1) § 63.119(c)(1)(i) § 63.119(c)(1)(ii) § 63.119(c)(1)(iii) | Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the | § 63.120(b)(1)(i) § 63.120(b)(1)(iii) § 63.120(b)(1)(iv) § 63.120(b)(10) § 63.120(b)(2)(i) § 63.120(b)(2)(ii) | [G]§ 63.120(b)(7) § 63.120(b)(8) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) | § 63.120(b)(10)(ii) § 63.120(b)(10)(iii) § 63.120(b)(9) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i)(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]§ 63.119(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) [G]§ 63.646(f) § 63.646(g) | requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l). | § 63.120(b)(2)(iii) § 63.120(b)(3) § 63.120(b)(4) § 63.646(b)(1) § 63.646(e) | § 63.655(i)(5) | § 63.655(f)(6) § 63.655(g) [G]§ 63.655(g)(3) § 63.655(h) § 63.655(h)(1) § 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) [G]§ 63.655(h)(6) |
| T-478 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.114(a)(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)(6)(C) § 115.118(a)(7) | § 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3) |
| T-478 | EU | 60KA-1 | VOC | 40 CFR Part 60, Subpart Ka | § 60.112a(a)(1) § 60.112a(a)(1)(i) § 60.112a(a)(1)(i)(A) § 60.112a(a)(1)(i)(D) | Vessels storing petroleum liquids with a TVP > 10.3 kPa (1.5 psia) but < | § 60.113a(a)(1) § 60.113a(a)(1)(i) § 60.113a(a)(1)(i)(A) § 60.113a(a)(1)(i)(B) | § 60.113a(a)(1)(i)(D) § 60.115a(a) | § 60.113a(a)(1)(i)(E) § 60.113a(a)(1)(iv) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 60.112a(a)(1)(ii)(A) § 60.112a(a)(1)(ii)(B) § 60.112a(a)(1)(ii)(C) § 60.112a(a)(1)(ii)(D) § 60.112a(a)(1)(iii) § 60.112a(a)(1)(iv) | 76.6 kPa (11.1 psia) shall be equipped with an external floating roof and closure device as specified. | § 60.113a(a)(1)(i)(C) § 60.113a(a)(1)(i)(D) § 60.113a(a)(1)(i)(E) § 60.113a(a)(1)(ii)(A) § 60.113a(a)(1)(ii)(B) § 60.113a(a)(1)(ii)(C) § 60.113a(a)(1)(iii) § 60.113a(a)(1)(iv) § 60.115a(a) § 60.115a(b) | | |
| T-478 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.646(a) § 63.119(a)(1) § 63.119(c)(1) § 63.119(c)(1)(i) § 63.119(c)(1)(ii) § 63.119(c)(1)(iii) [G]§ 63.119(c)(3) § 63.119(c)(4) § 63.120(b)(10)(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) [G]§ 63.646(f) § 63.646(g) | Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l). | § 63.120(b)(1)(i) § 63.120(b)(1)(iii) § 63.120(b)(1)(iv) § 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) § 63.646(b)(1) § 63.646(e) | [G]§ 63.120(b)(7) § 63.120(b)(8) § 63.642(e) § 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5) | § 63.120(b)(10)(ii) § 63.120(b)(10)(iii) § 63.120(b)(9) § 63.642(f) § 63.655(f) [G]§ 63.655(f)(1)(i)(B) § 63.655(f)(6) § 63.655(g) [G]§ 63.655(g)(3) § 63.655(h) § 63.655(h)(1) § 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) [G]§ 63.655(h)(6) |
| T-479 | EU | R5112-1 | 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 |
| T-482 | EU | R5112-1 | VOC | 30 TAC Chapter | § 115.111(a)(1) | Except as provided | [G]§ 115.117 | § 115.118(a)(1) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | 115, Storage of VOCs | | 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. | | § 115.118(a)(5) § 115.118(a)(7) | |
| T-486 | EU | R5112-1 | 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)(6)(A) § 115.118(a)(7) | None |
| T-486 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(2) | All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | § 63.646(b)(1) § 63.646(b)(2) | § 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5) | § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii) |
| T-489 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(D) § 115.112(e)(2)(F) [G]§ 115.112(e)(2)(I) § 115.114(a)(1)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or | § 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117 | § 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(6)(C) § 115.118(a)(7) | § 115.114(a)(1)(B) § 115.118(a)(3) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | | | |
| T-489 | 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) |
| T-489 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(n)(8) § 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) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) | Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi). | § 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)(1) [G]§ 60.116b(e)(3) § 63.640(n)(8)(ii) | § 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) § 63.640(n)(8)(iv) § 63.640(n)(8)(v) |
| T-490 | EU | R5112-1 | VOC | 30 TAC Chapter | § 115.112(e)(1) | No person shall | § 115.114(a)(1) | § 115.118(a)(3) | § 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, Storage of VOCs | § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(D) § 115.112(e)(2)(F) [G]§ 115.112(e)(2)(I) § 115.114(a)(1)(A) | place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.114(a)(1)(A) [G]§ 115.117 | § 115.118(a)(5) § 115.118(a)(6)(C) § 115.118(a)(7) | § 115.118(a)(3) |
| T-490 | EU | 60KB-1 | VOC | 40 CFR Part 60, Subpart Kb | § 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) | 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) |
| T-490 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(A) § 60.112b(a)(1)(iii) | Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except | § 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) | § 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| | | | | | § 60.112b(a)(1)(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) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) | as provided for in §63.640(n)(8)(i)-(vi). | § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 63.640(n)(8)(ii) | | § 63.640(n)(8)(iv) § 63.640(n)(8)(v) |
| T-491 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(D) § 115.112(e)(2)(F) [G]§ 115.112(e)(2)(I) § 115.114(a)(1)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117 | § 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(6)(C) § 115.118(a)(7) | § 115.114(a)(1)(B) § 115.118(a)(3) |
| T-491 | EU | 60KB-1 | VOC | 40 CFR Part 60, Subpart Kb | § 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) | Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof | § 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) | shall meet the specifications listed in §60.112b(a)(1)(i)-(ix). | § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) | | |
| T-491 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(n)(8) § 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) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) | Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi). | § 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)(1) [G]§ 60.116b(e)(3) § 63.640(n)(8)(ii) | § 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) § 63.640(n)(8)(iv) § 63.640(n)(8)(v) |
| T-499 | EU | R5112-1 | 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)(6)(A) § 115.118(a)(7) | None |
| T-499 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(2) | All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | § 63.646(b)(1) § 63.646(b)(2) | § 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5) | § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii) |
| T-519 | EU | R5112-1 | VOC | 30 TAC Chapter | § 115.111(a)(1) | Except as provided | [G]§ 115.117 | § 115.118(a)(1) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | 115, Storage of VOCs | | 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. | | § 115.118(a)(5) § 115.118(a)(7) | |
| T-520 | EU | R5112-1 | 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 |
| T-546 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(A) § 115.112(e)(3)(A)(i) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for | § 115.115(a) § 115.115(a)(3) § 115.115(a)(3)(A) § 115.116(a)(1) [G]§ 115.117 | § 115.118(a)(4) § 115.118(a)(4)(C) § 115.118(a)(4)(C)(i) § 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) |
|---------------------------|-------------------------|---------------|------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | crude oil and condensate. | | | |
| T-546 | 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 (19,800 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/84. | § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) | § 60.116b(a) § 60.116b(b) § 60.116b(c) | § 60.116b(d) |
| T-546 | 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)(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(e) § 61.349(f) § 61.354(d) [G]§ 61.355(h) | § 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) | None |
| T-546 | EU | 63CC-2 | 112(B)HAPS | 40 CFR Part 63, Subpart CC | § 63.640(n)(1) [G]§ 60.112b(a)(3) | After the compliance dates specified in paragraph (h) of this section, a Group 1 or Group 2 storage vessel that is part of an existing source and is also subject to the provisions of 40 | [G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic | § 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b) | [G]§ 60.113b(c)(1) § 60.115b |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | CFR part 60, subpart Kb, is required to comply only with the requirements of 40 CFR part 60, subpart Kb, except as provided in paragraph (n)(8) of this section. | Monitoring Summary | | |
| T-558 | EU | R5112-1 | 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)(6)(A) § 115.118(a)(7) | None |
| T-558 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(2) | All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | § 63.646(b)(1) § 63.646(b)(2) | § 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5) | § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii) |
| T-559 | EU | R5112-1 | 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)(6)(A) § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| T-559 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(2) | All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | § 63.646(b)(1) § 63.646(b)(2) | § 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5) | § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii) |
| T-561 | EU | R5112-1 | 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)(6)(A) § 115.118(a)(7) | None |
| T-561 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(2) | All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | § 63.646(b)(1) § 63.646(b)(2) | § 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5) | § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii) |
| T-563 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss | § 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)(6)(C) § 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) | to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | | | |
| T-563 | 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) [G]§ 60.113b(b)(6) § 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) |
| T-563 | 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) | Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi). | [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) § 63.640(n)(8)(iv) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| | | | | | | | § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii) | | § 63.640(n)(8)(v) |
| T-565 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.114(a)(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)(6)(C) § 115.118(a)(7) | § 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3) |
| T-565 | 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 | [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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | (pontoon or double-deck type) are to meet the specifications of §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) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) | | [G]§ 60.115b(b)(2) § 60.115b(b)(4) |
| T-565 | 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) | Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi). | [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) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 63.120(b)(7) § 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) § 63.640(n)(8)(iv) § 63.640(n)(8)(v) |
| T-568 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at | § 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)(6)(C) § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A) | all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | | | |
| T-568 | 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) [G]§ 60.113b(b)(6) § 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) |
| T-568 | 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) | Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in | [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) § 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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual 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(n)(8)(i)-(vi). | § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii) | | § 60.115b(b)(4) § 63.640(n)(8)(iv) § 63.640(n)(8)(v) |
| T-569 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.114(a)(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)(6)(C) § 115.118(a)(7) | § 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3) |
| T-569 | EU | 60KB-1 | VOC | 40 CFR Part 60, Subpart Kb | [G]§ 60.112b(a)(2) | Storage vessels specified in §60.112b(a) and | [G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) | § 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) | § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(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) |
|---------------------------|-------------------------|---------------|-------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii). | § 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) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) | § 60.116b(b) § 60.116b(c) | § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) |
| T-569 | 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) | Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi). | [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) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 63.120(b)(7) § 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) § 63.640(n)(8)(iv) § 63.640(n)(8)(v) |
| T-570 | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | § 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) | The wastewater component shall meet the specified control requirements. | [G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(A) § 115.144(5) § 115.145 § 115.145(1) | [G]§ 115.142(1)(H) § 115.144(3)(A) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | | | | | § 115.142(1)(G) § 115.142(1)(H) § 115.147(7)(A) [G]§ 115.148 | | § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | | |
| T-570 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(3) § 115.112(e)(3)(A) § 115.112(e)(3)(A)(i) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.115(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 |
| T-570 | 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) | Except as noted, each oil-water separator tank, slop oil tank, storage vessel, or other auxiliary equipment | § 60.692-3(a)(4) § 60.695(a) § 60.695(a)(1) § 60.696(a) | § 60.695(a)(1) § 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2) | § 60.698(b)(1) § 60.698(d) § 60.698(d)(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| | | | | | § 60.692-3(e) § 60.692-3(f) § 60.692-5(a) § 60.692-5(d) [G]§ 60.692-5(e) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b) | shall be equipped with fixed roof, meeting following specifications: | | § 60.697(f)(3) § 60.697(f)(3)(i) § 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)(viii) | |
| T-570 | 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(b) § 60.692-3(e) § 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) § 60.696(a) | § 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)(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(e) |
| T-570 | EU | 61FF-1 | BENZENE | 40 CFR Part 61, Subpart FF | § 61.347(a)(1) § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(C) § 61.347(a)(1)(i)(C)(1) § 61.347(a)(1)(i)(C)(2) § 61.347(a)(1)(i)(C)(3) § 61.347(b) § 61.347(c) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(A) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g) | Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the oil-water separator to a control device. | § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(C)(2) § 61.347(a)(1)(i)(C)(3) § 61.347(b) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(1) § 61.354(g) [G]§ 61.355(h) | § 61.354(c) § 61.354(c)(1) § 61.354(g) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(A) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(4) § 61.356(m) | § 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A) § 61.357(d)(7)(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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| T-572 | EU | R5112-1 | 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)(6)(A) § 115.118(a)(7) | None |
| T-572 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(2) | All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | § 63.646(b)(1) § 63.646(b)(2) | § 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5) | § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii) |
| T-577 | EU | R5112-1 | 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)(6)(A) § 115.118(a)(7) | None |
| T-577 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(2) | All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | § 63.646(b)(1) § 63.646(b)(2) | § 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5) | § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| T-581 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.114(a)(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)(6)(C) § 115.118(a)(7) | § 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3) |
| T-581 | 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) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | | [G]§ 60.116b(e)(3) | | |
| T-581 | 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) | Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi). | [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) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 63.120(b)(7) § 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) § 63.640(n)(8)(iv) § 63.640(n)(8)(v) |
| T-582 | EU | R5112-1 | 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)(6)(A) § 115.118(a)(7) | None |
| T-582 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(2) | All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | § 63.646(b)(1) § 63.646(b)(2) | § 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5) | § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| T-583 | EU | R5112-1 | 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)(6)(A) § 115.118(a)(7) | None |
| T-583 | EU | 63CC-1 | 112(B) HAPS | 40 CFR Part 63, Subpart CC | § 63.640(c)(2) | All Group 2 storage vessels associated with petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source. | § 63.646(b)(1) § 63.646(b)(2) | § 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5) | § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii) |
| T-594 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) | § 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)(6)(C) § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | of this paragraph for crude oil and condensate. | | | |
| T-594 | 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) [G]§ 60.113b(b)(6) § 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) |
| T-594 | 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) | Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi). | [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) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 63.120(b)(7) § 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) § 63.640(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| T-608 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.114(a)(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)(6)(C) § 115.118(a)(7) | § 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3) |
| T-608 | 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) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) | § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | | [G]§ 60.116b(e)(3) | | |
| T-608 | 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) | Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi). | [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) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 63.120(b)(7) § 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) § 63.640(n)(8)(iv) § 63.640(n)(8)(v) |
| T-609 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table | § 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)(6)(C) § 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | | | |
| T-609 | 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) [G]§ 60.113b(b)(6) § 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) |
| T-609 | 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) | Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi). | [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) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 63.120(b)(7) | § 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) § 63.640(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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------|----------------------------------------------|
| | | | | | | | § 63.640(n)(8)(ii) | | |
| T-639 | EU | R5112-1 | 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 |
| T-640 | EU | R5112-1 | 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 |
| T-641 | EU | R5112-1 | 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 |
| T-642 | EU | R5112-1 | 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. | | | |
| T-643 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) § 115.112(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | § 115.114(a)(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)(6)(C) § 115.118(a)(7) | § 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3) |
| T-643 | 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) [G]§ 60.113b(b)(6) § 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) [G]§ 60.116b(e)(3) | | |
| T-643 | 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) | Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except as provided for in §63.640(n)(8)(i)-(vi). | [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) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 63.120(b)(7) § 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) § 63.640(n)(8)(iv) § 63.640(n)(8)(v) |
| T-647 | EU | R5112-1 | 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 |
| T-650 | EU | R5112-1 | VOC | 30 TAC Chapter 115, Storage of VOCs | § 115.112(e)(1) § 115.112(e)(2) § 115.112(e)(2)(A) § 115.112(e)(2)(B) § 115.112(e)(2)(C) § 115.112(e)(2)(E) § 115.112(e)(2)(F) | No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working | § 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)(6)(C) § 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(e)(2)(G) [G]§ 115.112(e)(2)(H) [G]§ 115.112(e)(2)(I) § 115.114(a)(2)(A) § 115.114(a)(4)(A) | pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate. | | | |
| T-650 | 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) [G]§ 60.113b(b)(6) § 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) |
| T-650 | 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) | Vessels described by § 63.640(n)(1) and (n)(3) are to comply with 40 CFR part 60, subpart Kb, except | [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) |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|---------------------|---------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------|
| | | | | | | as provided for in §63.640(n)(8)(i)-(vi). | § 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) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii) | § 63.640(n)(8)(vi) | [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 63.640(n)(8)(iv) § 63.640(n)(8)(v) |
| VC-50 | EP | R1111-1 | 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 |
| VC-50 | EP | R5720-1 | HIGHLY REACTIVE VOC | 30 TAC Chapter 115, HRVOC Vent Gas | § 115.727(c)(2) | A vent gas stream that has the potential to emit HRVOCs, but has a concentration less than 100 ppmv at all times or has a maximum potential flow rate equal to or less than 100 dry standard cubic feet per hour is exempt from this division with the exception of § 115.726(e)(3)(A) of this title. The | None | § 115.726(e)(3)(A) § 115.726(j)(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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | | maximum potential HRVOC emissions for the sum of all vent gas streams claimed under this exemption, must be less for the account specified in § 115.722(a) or (b) of this title than 0.5 tpy. | | | |
| VC-50 | EP | R5121-1 | VOC | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2) | A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1). | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| VC-50 | 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 < 612 ppmv is exempt from § 115.121(a)(1). | [G]§ 115.125 § 115.126(2) | § 115.126 § 115.126(2) § 115.126(4) | None |
| VC-50 | EU | 63UUU-1 | 112(B) HAPS | 40 CFR Part 63, Subpart UUU | § 63.1569(a)(1)(ii)-Table36.2 § 63.1569(a)(1) § 63.1569(a)(3) § 63.1569(b)(2) § 63.1569(b)(2)-Table38.1.b | If you elect to use a manual lock system (Option 2), you must install a car-seal or lock-and-key device placed on the mechanism by which | § 63.1569(c)(1)-Table39.2 | § 63.1569(c)(1)-Table39.2 § 63.1569(c)(1)-Table39.5 § 63.1570(c) [G]§ 63.1576(a) § 63.1576(d) | § 63.1569(b)(3) § 63.1569(b)(4) § 63.1569(c)(1)-Table39.5 § 63.1570(f) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | § 63.1569(c)(1) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g) | the bypass device flow position is controlled (e.g., valve handle, damper level) when the bypass device is in the closed position such that the bypass line valve cannot be opened without breaking the seal or removing the device. | | § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i) | § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) |
| VC-50 | EU | 63UUU-1 | HYDROGEN CHLORIDE | 40 CFR Part 63, Subpart UUU | § 63.1567(a)(1)-Table22.2 § 63.1567(a)(1) § 63.1567(a)(1)(i) § 63.1567(a)(1)(ii) § 63.1567(a)(2) § 63.1567(a)(2)-Table23.1 § 63.1567(a)(3) § 63.1567(b)(3) § 63.1567(b)(4) § 63.1567(b)(4)(i) § 63.1567(b)(5) § 63.1567(b)(5)-Table26.2 § 63.1567(c)(1) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g) § 63.1571(d)(4) [G]§ 63.1571(e) | For each existing cyclic or continuous CRU, you must reduce uncontrolled emissions of HCl by 97 percent by weight or to a concentration of 10 ppmv (dry basis), corrected to 3% oxygen. | § 63.1567(b)(1) § 63.1567(b)(1)-Table24.1 § 63.1567(b)(2) § 63.1567(b)(2)-Table25.1.a.(1) § 63.1567(b)(2)-Table25.1.a.(2) § 63.1567(b)(2)-Table25.1.b § 63.1567(b)(2)-Table25.1.c § 63.1567(b)(2)-Table25.1.d § 63.1567(b)(2)-Table25.1.e.(1) § 63.1567(b)(2)-Table25.1.e.(2) § 63.1567(b)(2)-Table25.1.e.(3) § 63.1567(b)(2)-Table25.1.e.(4) § 63.1567(b)(2)-Table25.2.a.i § 63.1567(b)(2)-Table25.2.b.i § 63.1567(b)(2)- | § 63.1567(b)(1)-Table24.1 § 63.1567(b)(2)-Table25.2.a.i § 63.1567(b)(2)-Table25.2.b.i § 63.1567(c)(1)-Table28.1.a § 63.1567(c)(1)-Table28.1.b § 63.1567(c)(2) § 63.1570(c) § 63.1572(c)(4) § 63.1572(c)(5) [G]§ 63.1576(b)(2)-Table25.1.e.(1) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i) | § 63.1567(b)(6) § 63.1567(b)(7) § 63.1570(f) § 63.1571(a) § 63.1571(d)(4) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table42.1 § 63.1574(d)-Table42.2 § 63.1574(d)-Table42.3 § 63.1575(a) § 63.1575(a)-Table43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [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) |
|---------------------------|-------------------------|---------------|-----------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | | | | | | | Table 25.2.b.ii § 63.1567(c)(1)- Table 27.2 § 63.1567(c)(1)- Table 28.1.a § 63.1567(c)(1)- Table 28.1.b § 63.1571(a) § 63.1571(a)(1) [G]§ 63.1571(b) § 63.1572(c) § 63.1572(c)(1) § 63.1572(c)(2) § 63.1572(c)(3) § 63.1572(c)(4) [G]§ 63.1572(d) [G]§ 63.1573(a)(1) | | |
| WW DRUMS | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | § 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) § 115.142(1)(G) § 115.142(1)(H) § 115.147(7)(A) [G]§ 115.148 | The wastewater component shall meet the specified control requirements. | [G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(H) § 115.144(5) § 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | [G]§ 115.142(1)(H) § 115.144(3)(H) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |
| WW VACTRKS | EU | R5140-1 | VOC | 30 TAC Chapter 115, Industrial Wastewater | § 115.142(1) § 115.142 § 115.142(1)(A) § 115.142(1)(B) § 115.142(1)(C) § 115.142(1)(E) | The wastewater component shall meet the specified control requirements. | [G]§ 115.142(1)(H) [G]§ 115.144(1) § 115.144(3)(H) § 115.144(5) § 115.145 § 115.145(1) | [G]§ 115.142(1)(H) § 115.144(3)(H) § 115.146(1) § 115.146(2) § 115.146(3) § 115.146(4) | None |

Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | Textual Description (See Special Term and Condition 1.B.) | Monitoring And Testing Requirements | Recordkeeping Requirements (30 TAC § 122.144) | Reporting Requirements (30 TAC § 122.145) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------|
| | | | | | § 115.142(1)(G) § 115.142(1)(H) § 115.147(7)(A) [G]§ 115.148 | | § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4) § 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148 | | |

Additional Monitoring Requirements

Compliance Assurance Monitoring Summary 670

Periodic Monitoring Summary.....671

CAM Summary

| Unit/Group/Process Information | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: G-001 | |
| Control Device ID No.: G-001 | Control Device Type: Wet Scrubber |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Nonagricultural Processes | SOP Index No.: R1151-1 |
| Pollutant: PM | Main Standard: § 111.151(a) |
| Monitoring Information | |
| Indicator: Liquid Flow Rate and Gas Flow Rate | |
| Minimum Frequency: four times per hour | |
| Averaging Period: 3-hour rolling average | |
| Deviation Limit: It shall be considered a deviation if the minimum liquid-to-gas ratio as established during the most recent performance test is not maintained. | |
| 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 $\pm 2\%$ of span. | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: B-18 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| <p>Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%.</p> | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: B-26 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(C) |
| Monitoring Information | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: It shall be considered a deviation if the opacity exceeds 15%. | |
| <p>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.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: B-27 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(C) |
| Monitoring Information | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: It shall be considered a deviation if the opacity exceeds 15%. | |
| 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.: B-32 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: B-33 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: B-34 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(C) |
| Monitoring Information | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: It shall be considered a deviation if the opacity exceeds 15%. | |
| <p>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.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| ID No.: D-13-1280 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Water Separation | SOP Index No.: R5131-1 |
| Pollutant: VOC | Main Standard: § 115.132(a)(1) |
| Monitoring Information | |
| Indicator: VOC Concentration | |
| Minimum Frequency: Quarterly | |
| Averaging Period: n/a* | |
| Deviation Limit: For a potential leak interface, the maximum deviation limit shall be 500 ppmv. For a seal around a shaft that passes through a cover opening, the maximum deviation limit shall be 10,000 ppmv. | |
| <p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level.</p> <p>The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures.</p> <p>Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2).</p> | |

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| ID No.: D-13-1281 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Water Separation | SOP Index No.: R5131-1 |
| Pollutant: VOC | Main Standard: § 115.132(a)(1) |
| Monitoring Information | |
| Indicator: VOC Concentration | |
| Minimum Frequency: Quarterly | |
| Averaging Period: n/a* | |
| Deviation Limit: For a potential leak interface, the maximum deviation limit shall be 500 ppmv. For a seal around a shaft that passes through a cover opening, the maximum deviation limit shall be 10,000 ppmv. | |
| <p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level.</p> <p>The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures.</p> <p>Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2).</p> | |

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| ID No.: D-292 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Water Separation | SOP Index No.: R5131-1 |
| Pollutant: VOC | Main Standard: § 115.132(a)(1) |
| Monitoring Information | |
| Indicator: VOC Concentration | |
| Minimum Frequency: Quarterly | |
| Averaging Period: n/a* | |
| Deviation Limit: For a potential leak interface, the maximum deviation limit shall be 500 ppmv. For a seal around a shaft that passes through a cover opening, the maximum deviation limit shall be 10,000 ppmv. | |
| <p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level.</p> <p>The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures.</p> <p>Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2).</p> | |

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| ID No.: D-51 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Water Separation | SOP Index No.: R5131-1 |
| Pollutant: VOC | Main Standard: § 115.132(a)(1) |
| Monitoring Information | |
| Indicator: VOC Concentration | |
| Minimum Frequency: Quarterly | |
| Averaging Period: n/a* | |
| Deviation Limit: For a potential leak interface, the maximum deviation limit shall be 500 ppmv. For a seal around a shaft that passes through a cover opening, the maximum deviation limit shall be 10,000 ppmv. | |
| <p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level.</p> <p>The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures.</p> <p>Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2).</p> | |

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| ID No.: D-606 | |
| 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.: R5112-1 |
| Pollutant: VOC | Main Standard: § 115.112(e)(1) |
| Monitoring Information | |
| Indicator: Structural Integrity of the Pipe | |
| Minimum Frequency: Emptied and degassed | |
| Averaging Period: n/a | |
| Deviation Limit: It shall be considered a deviation if the integrity of the submerged fill pipe is not inspected when the storage vessel is emptied or degassed, or if any repairs are needed and they are not completed prior to refilling the storage vessel. | |
| 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.: D-606 | |
| 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.: R5112-1 |
| Pollutant: VOC | Main Standard: § 115.112(e)(1) |
| Monitoring Information | |
| Indicator: Record of Tank Construction Specifications | |
| Minimum Frequency: n/a | |
| Averaging Period: n/a | |
| Deviation Limit: It shall be considered a deviation if no construction records are kept to demonstrate that the storage vessel is equipped with a submerged fill pipe. | |
| 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.: D-768 | |
| 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.: R5112-1 |
| Pollutant: VOC | Main Standard: § 115.112(e)(1) |
| Monitoring Information | |
| Indicator: Structural Integrity of the Pipe | |
| Minimum Frequency: Emptied and degassed | |
| Averaging Period: n/a | |
| Deviation Limit: It shall be considered a deviation if the integrity of the submerged fill pipe is not inspected when the storage vessel is emptied or degassed, or if any repairs are needed and they are not completed prior to refilling the storage vessel. | |
| 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.: D-768 | |
| 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.: R5112-1 |
| Pollutant: VOC | Main Standard: § 115.112(e)(1) |
| Monitoring Information | |
| Indicator: Record of Tank Construction Specifications | |
| Minimum Frequency: n/a | |
| Averaging Period: n/a | |
| Deviation Limit: It shall be considered a deviation if no construction records are kept to demonstrate that the storage vessel is equipped with a submerged fill pipe. | |
| 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.: D-809 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Water Separation | SOP Index No.: R5131-1 |
| Pollutant: VOC | Main Standard: § 115.132(a)(1) |
| Monitoring Information | |
| Indicator: VOC Concentration | |
| Minimum Frequency: Quarterly | |
| Averaging Period: n/a* | |
| Deviation Limit: For a potential leak interface, the maximum deviation limit shall be 500 ppmv. For a seal around a shaft that passes through a cover opening, the maximum deviation limit shall be 10,000 ppmv. | |
| <p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level.</p> <p>The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures.</p> <p>Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2).</p> | |

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| ID No.: D-810 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Water Separation | SOP Index No.: R5131-1 |
| Pollutant: VOC | Main Standard: § 115.132(a)(1) |
| Monitoring Information | |
| Indicator: VOC Concentration | |
| Minimum Frequency: Quarterly | |
| Averaging Period: n/a* | |
| Deviation Limit: For a potential leak interface, the maximum deviation limit shall be 500 ppmv. For a seal around a shaft that passes through a cover opening, the maximum deviation limit shall be 10,000 ppmv. | |
| <p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level.</p> <p>The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures.</p> <p>Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2).</p> | |

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| ID No.: D-861 | |
| 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.: R5112-1 |
| Pollutant: VOC | Main Standard: § 115.112(e)(1) |
| Monitoring Information | |
| Indicator: Structural Integrity of the Pipe | |
| Minimum Frequency: Emptied and degassed | |
| Averaging Period: n/a | |
| Deviation Limit: It shall be considered a deviation if the integrity of the submerged fill pipe is not inspected when the storage vessel is emptied or degassed, or if any repairs are needed and they are not completed prior to refilling the storage vessel. | |
| 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.: D-861 | |
| 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.: R5112-1 |
| Pollutant: VOC | Main Standard: § 115.112(e)(1) |
| Monitoring Information | |
| Indicator: Record of Tank Construction Specifications | |
| Minimum Frequency: n/a | |
| Averaging Period: n/a | |
| Deviation Limit: It shall be considered a deviation if no construction records are kept to demonstrate that the storage vessel is equipped with a submerged fill pipe. | |
| 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.: D-973 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: D-974 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: D-975 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: D-976 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: DE-24 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: DE-27 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: DE-31 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: DE-7 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: DE-8 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: DE-ADMIN | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: DE-AIR1 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: DE-AIR2 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| <p>Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%.</p> | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: DE-GUARD | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: DE-SERVICE | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: DE-T-095 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| ID No.: F-48 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Degreasing Processes | SOP Index No.: R5412-1 |
| Pollutant: VOC | Main Standard: § 115.412(1) |
| Monitoring Information | |
| Indicator: Visual Inspection | |
| Minimum Frequency: Monthly | |
| Averaging Period: n/a | |
| Deviation Limit: Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of 30 TAC § 115.412(1) (A)-(F) shall be reported as a deviation. | |
| Periodic Monitoring Text: Inspect equipment and record data monthly to ensure compliance with any applicable requirements in § 115.412(1)(A)-(F). Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of § 115.412(1)(A)-(F) shall be considered and reported as a deviation. | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: F-54 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: F-55 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: F-56 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| ID No.: F-65 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Degreasing Processes | SOP Index No.: R5412-1 |
| Pollutant: VOC | Main Standard: § 115.412(1) |
| Monitoring Information | |
| Indicator: Visual Inspection | |
| Minimum Frequency: Monthly | |
| Averaging Period: n/a | |
| Deviation Limit: Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of 30 TAC § 115.412(1) (A)-(F) shall be reported as a deviation. | |
| Periodic Monitoring Text: Inspect equipment and record data monthly to ensure compliance with any applicable requirements in § 115.412(1)(A)-(F). Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of § 115.412(1)(A)-(F) shall be considered and reported as a deviation. | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| ID No.: F-66 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Degreasing Processes | SOP Index No.: R5412-1 |
| Pollutant: VOC | Main Standard: § 115.412(1) |
| Monitoring Information | |
| Indicator: Visual Inspection | |
| Minimum Frequency: Monthly | |
| Averaging Period: n/a | |
| Deviation Limit: Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of 30 TAC § 115.412(1) (A)-(F) shall be reported as a deviation. | |
| Periodic Monitoring Text: Inspect equipment and record data monthly to ensure compliance with any applicable requirements in § 115.412(1)(A)-(F). Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of § 115.412(1)(A)-(F) shall be considered and reported as a deviation. | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: G-001 | |
| Control Device ID No.: G-001 | Control Device Type: Wet Scrubber |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: PM (OPACITY) | Main Standard: § 111.111(a)(1)(C) |
| Monitoring Information | |
| Indicator: Liquid Flow Rate and Gas Flow Rate | |
| Minimum Frequency: once per week | |
| Averaging Period: n/a* | |
| Deviation Limit: It shall be considered a deviation if the minimum liquid-to-gas ratio as established during the most recent performance test is not maintained. | |
| Periodic Monitoring Text: Measure and record the liquid flow rate and gas flow rate. The monitoring instrumentation shall be calibrated, maintained and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation. | |

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: G-18-1403 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(C) |
| Monitoring Information | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: It shall be considered a deviation if opacity exceeds 15%. | |
| <p>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.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: G-2063 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| ID No.: GSRU | |
| Control Device ID No.: G-18-1403 | Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer) |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 112, Sulfur Compounds | SOP Index No.: REG2-1 |
| Pollutant: SO ₂ | Main Standard: § 112.7(a) |
| Monitoring Information | |
| Indicator: Combustion Temperature / Exhaust Gas Temperature | |
| Minimum Frequency: Four times per hour | |
| Averaging Period: Daily | |
| Deviation Limit: It shall be considered a deviation if any monitoring data falls below the minimum limit of 1,200 degrees Fahrenheit. | |
| Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The minimum combustion temperature is 1200 degrees F (649 degrees C). The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the deviation limit shall be considered and reported as a deviation. | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| ID No.: GSRU | |
| Control Device ID No.: G-18-1403 | Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer) |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 112, Sulfur Compounds | SOP Index No.: REG2-1 |
| Pollutant: SO ₂ | Main Standard: § 112.7(a) |
| Monitoring Information | |
| Indicator: SO ₂ Mass Emissions in Pounds per Hour | |
| Minimum Frequency: Four times per hour | |
| Averaging Period: Hourly | |
| Deviation Limit: It shall be considered a deviation if any monitoring data goes above the SO ₂ allowable emission rate of 2,898.8 lb/hr as calculated per the equation in § 112.7(a). | |
| <p>Periodic Monitoring Text: A continuous emission monitoring system (CEMS) that measures and records the mass emissions rate of sulfur dioxide expressed in pounds per hour in the exhaust stream of the control device. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the Performance Specifications of 40 CFR Part 60, Appendix B. The maximum SO_x mass emission rate is the applicable or corresponding emission limit. Any monitoring data above the limit from the underlying applicable requirement shall be considered and reported as a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: H-13-1401 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: H-13-1421 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per quarter | |
| Averaging Period: n/a | |
| Deviation Limit: 20% opacity | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement. If there is no corresponding opacity limit in the underlying applicable requirement, the maximum opacity will be established using the most recent performance test. If the result of the Test Method 9 is opacity above the corresponding opacity limit (associated with the particulate matter standard in the underlying applicable requirement or as identified as a result of a previous performance test to establish the maximum opacity limit), the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: H-13-1451 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| <p>Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%.</p> | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> | |
| <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: H-13-1480 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: H-16&17 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(C) |
| Monitoring Information | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: 15% Opacity | |
| <p>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.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: H-27 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(A) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| <p>Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 30%.</p> | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: H-28 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: H-29 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: H-31&32 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: H-34 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: H-35 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: H-44 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| <p>Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%.</p> | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: H-45 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| <p>Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%.</p> | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: H-46 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: H-50 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: H-57 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: H-58 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: H-60 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: H-REF2 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(C) |
| Monitoring Information | |
| Indicator: Opacity | |
| Minimum Frequency: Once per month | |
| Averaging Period: Six-minutes | |
| Deviation Limit: It shall be considered a deviation if opacity exceeds 15%. | |
| 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.: J-108 | |
| Control Device ID No.: FL-1 | Control Device Type: Flare |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref | SOP Index No.: R5311-1 |
| Pollutant: VOC | Main Standard: § 115.311(a)(1) |
| Monitoring Information | |
| Indicator: Pilot Flame | |
| Minimum Frequency: once per hour | |
| Averaging Period: n/a | |
| Deviation Limit: Monitoring data indicates the lack of a pilot flame. | |
| <p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| ID No.: J-109 | |
| Control Device ID No.: FL-1 | Control Device Type: Flare |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref | SOP Index No.: R5311-1 |
| Pollutant: VOC | Main Standard: § 115.311(a)(1) |
| Monitoring Information | |
| Indicator: Pilot Flame | |
| Minimum Frequency: once per hour | |
| Averaging Period: n/a | |
| Deviation Limit: Monitoring data indicates the lack of a pilot flame. | |
| <p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| ID No.: J-110 | |
| Control Device ID No.: FL-1 | Control Device Type: Flare |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref | SOP Index No.: R5311-1 |
| Pollutant: VOC | Main Standard: § 115.311(a)(1) |
| Monitoring Information | |
| Indicator: Pilot Flame | |
| Minimum Frequency: once per hour | |
| Averaging Period: n/a | |
| Deviation Limit: Monitoring data indicates the lack of a pilot flame. | |
| <p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| ID No.: J-111 | |
| Control Device ID No.: FL-1 | Control Device Type: Flare |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref | SOP Index No.: R5311-1 |
| Pollutant: VOC | Main Standard: § 115.311(a)(1) |
| Monitoring Information | |
| Indicator: Pilot Flame | |
| Minimum Frequency: once per hour | |
| Averaging Period: n/a | |
| Deviation Limit: Monitoring data indicates the lack of a pilot flame. | |
| <p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| ID No.: J-112 | |
| Control Device ID No.: FL-1 | Control Device Type: Flare |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref | SOP Index No.: R5311-1 |
| Pollutant: VOC | Main Standard: § 115.311(a)(1) |
| Monitoring Information | |
| Indicator: Pilot Flame | |
| Minimum Frequency: once per hour | |
| Averaging Period: n/a | |
| Deviation Limit: Monitoring data indicates the lack of a pilot flame. | |
| <p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: MVDU-01 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| ID No.: R5VNT TGI-G | |
| Control Device ID No.: G-18-1403A | Control Device Type: Sulfur Recovery Unit with Incinerator |
| Control Device ID No.: G-18-1403B | Control Device Type: Other Control Device Type |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Vent Gas Controls | SOP Index No.: R5121-1 |
| Pollutant: VOC | Main Standard: § 115.121(a)(1) |
| Monitoring Information | |
| Indicator: Combustion Temperature / Exhaust Gas Temperature | |
| Minimum Frequency: Once per week | |
| Averaging Period: n/a* | |
| Deviation Limit: It shall be considered a deviation if any monitoring data falls below the minimum temperature limit of 1,200 °F. | |
| Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation. | |

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| ID No.: R5VNT TGI-S | |
| Control Device ID No.: G-18-1403A | Control Device Type: Sulfur Recovery Unit with Incinerator |
| Control Device ID No.: G-18-1403B | Control Device Type: Other Control Device Type |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 115, Vent Gas Controls | SOP Index No.: R5121-1 |
| Pollutant: VOC | Main Standard: § 115.121(a)(1) |
| Monitoring Information | |
| Indicator: Combustion Temperature / Exhaust Gas Temperature | |
| Minimum Frequency: Once per week | |
| Averaging Period: n/a* | |
| Deviation Limit: It shall be considered a deviation if any monitoring data falls below the minimum temperature limit of 1,200 °F. | |
| Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation. | |

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| ID No.: SPSRU | |
| Control Device ID No.: G-2063 | Control Device Type: Sulfur Recovery Unit with Incinerator |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 112, Sulfur Compounds | SOP Index No.: REG2-1 |
| Pollutant: SO ₂ | Main Standard: § 112.7(a) |
| Monitoring Information | |
| Indicator: Combustion Temperature / Exhaust Gas Temperature | |
| Minimum Frequency: Four times per hour | |
| Averaging Period: Daily | |
| Deviation Limit: It shall be considered a deviation if any monitoring data falls below the minimum temperature limit of 1,200° F. | |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The minimum combustion temperature is 1200 degrees F (649 degrees C). The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the deviation limit shall be considered and reported as a deviation.</p> | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| ID No.: SPSRU | |
| Control Device ID No.: G-2063 | Control Device Type: Sulfur Recovery Unit with Incinerator |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 112, Sulfur Compounds | SOP Index No.: REG2-1 |
| Pollutant: SO ₂ | Main Standard: § 112.7(a) |
| Monitoring Information | |
| Indicator: SO ₂ Mass Emissions in Pounds per Hour | |
| Minimum Frequency: Four times per hour | |
| Averaging Period: Hourly | |
| Deviation Limit: It shall be considered a deviation if any monitoring data goes above the SO ₂ allowable emission rate of 1,854 lb/hr as calculated per the equation in § 112.7(a). | |
| Periodic Monitoring Text: A continuous emission monitoring system (CEMS) that measures and records the mass emissions rate of sulfur dioxide expressed in pounds per hour in the exhaust stream of the control device. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the Performance Specifications of 40 CFR Part 60, Appendix B. The maximum SO _x mass emission rate is the applicable or corresponding emission limit. Any monitoring data above the limit from the underlying applicable requirement shall be considered and reported as a deviation. | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| ID No.: T-070 | |
| Control Device ID No.: G-2063 | Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer) |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 60, Subpart Kb | SOP Index No.: 60KB-1 |
| Pollutant: VOC | Main Standard: [G]§ 60.112b(a)(3) |
| Monitoring Information | |
| Indicator: Combustion Temperature / Exhaust Gas Temperature | |
| Minimum Frequency: Once per week | |
| Averaging Period: n/a* | |
| Deviation Limit: It shall be considered a deviation if any monitoring data falls below the minimum temperature limit of 1,200° F. | |
| Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation. | |

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| ID No.: T-070 | |
| Control Device ID No.: G-2063 | Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer) |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 63, Subpart CC | SOP Index No.: 63CC-1 |
| Pollutant: 112(B)HAPS | Main Standard: § 63.640(n)(1) |
| Monitoring Information | |
| Indicator: Combustion Temperature / Exhaust Gas Temperature | |
| Minimum Frequency: Once per week | |
| Averaging Period: n/a* | |
| Deviation Limit: It shall be considered a deviation if any monitoring data falls below the minimum temperature limit of 1,200° F. | |
| Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation. | |

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| ID No.: T-094 | |
| 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.: R5112-1 |
| Pollutant: VOC | Main Standard: § 115.112(e)(1) |
| Monitoring Information | |
| Indicator: Structural Integrity of the Pipe | |
| Minimum Frequency: Emptied and degassed | |
| Averaging Period: n/a | |
| Deviation Limit: It shall be considered a deviation if the integrity of the submerged fill pipe is not inspected when the storage vessel is emptied or degassed, or if any repairs are needed and they are not completed prior to refilling the storage vessel. | |
| 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.: T-094 | |
| 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.: R5112-1 |
| Pollutant: VOC | Main Standard: § 115.112(e)(1) |
| Monitoring Information | |
| Indicator: Record of Tank Construction Specifications | |
| Minimum Frequency: n/a | |
| Averaging Period: n/a | |
| Deviation Limit: It shall be considered a deviation if no construction records are kept to demonstrate that the storage vessel is equipped with a submerged fill pipe. | |
| 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.: T-16-1902 | |
| Control Device ID No.: G-18-1403 | Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer) |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 60, Subpart Kb | SOP Index No.: 60KB-1 |
| Pollutant: VOC | Main Standard: [G]§ 60.112b(a)(3) |
| Monitoring Information | |
| Indicator: Combustion Temperature / Exhaust Gas Temperature | |
| Minimum Frequency: Once per week | |
| Averaging Period: n/a* | |
| Deviation Limit: It shall be considered a deviation if any monitoring data falls below the minimum limit of 1,200 degrees Fahrenheit. | |
| Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation. | |

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| ID No.: T-16-1902 | |
| Control Device ID No.: G-18-1403 | Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer) |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 63, Subpart CC | SOP Index No.: 63CC-1 |
| Pollutant: 112(B)HAPS | Main Standard: § 63.640(n)(1) |
| Monitoring Information | |
| Indicator: Combustion Temperature / Exhaust Gas Temperature | |
| Minimum Frequency: Once per week | |
| Averaging Period: n/a* | |
| Deviation Limit: It shall be considered a deviation if any monitoring data falls below the minimum limit of 1,200 degrees Fahrenheit. | |
| Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation. | |

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| ID No.: T-16-1922 | |
| Control Device ID No.: G-18-1403 | Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer) |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 60, Subpart Kb | SOP Index No.: 60KB-1 |
| Pollutant: VOC | Main Standard: [G]§ 60.112b(a)(3) |
| Monitoring Information | |
| Indicator: Combustion Temperature / Exhaust Gas Temperature | |
| Minimum Frequency: Once per week | |
| Averaging Period: n/a* | |
| Deviation Limit: It shall be considered a deviation if any monitoring data falls below the minimum limit of 1,200 degrees Fahrenheit. | |
| Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation. | |

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| ID No.: T-16-1922 | |
| Control Device ID No.: G-18-1403 | Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer) |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 63, Subpart CC | SOP Index No.: 63CC-1 |
| Pollutant: 112(B)HAPS | Main Standard: § 63.640(n)(1) |
| Monitoring Information | |
| Indicator: Combustion Temperature / Exhaust Gas Temperature | |
| Minimum Frequency: Once per week | |
| Averaging Period: n/a* | |
| Deviation Limit: It shall be considered a deviation if any monitoring data falls below the minimum limit of 1,200 degrees Fahrenheit. | |
| Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation. | |

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| ID No.: T-335 | |
| Control Device ID No.: G-2063 | Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer) |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 60, Subpart Ka | SOP Index No.: 60KA-1 |
| Pollutant: VOC | Main Standard: § 60.112a(a)(3) |
| Monitoring Information | |
| Indicator: Combustion Temperature / Exhaust Gas Temperature | |
| Minimum Frequency: Once per week | |
| Averaging Period: n/a* | |
| Deviation Limit: It shall be considered a deviation if any monitoring data falls below the minimum temperature limit of 1,200° F. | |
| <p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p> | |

*The permit holder may elect to collect monitoring data on a more frequent basis and calculate the average as specified by the minimum frequency, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances to avoid reporting deviations.

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| ID No.: T-424 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 60, Subpart K | SOP Index No.: 60K-1 |
| Pollutant: VOC | Main Standard: § 60.112(a)(1) |
| Monitoring Information | |
| Indicator: External Floating Roof | |
| Minimum Frequency: annually | |
| Averaging Period: n/a | |
| Deviation Limit: It shall be considered a deviation if the roof is not floating on the surface of the VOC, if liquid has accumulated on the external floating roof, the seals are detached, or if there are holes or tears in the seal fabric. | |
| Periodic Monitoring Text: Visually inspect and record the inspection of the external floating roof to ensure: the roof is floating on the surface of the VOC and not on the leg supports, liquid has not accumulated on the external floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the external floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation. | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| ID No.: T-428 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 60, Subpart K | SOP Index No.: 60K-1 |
| Pollutant: VOC | Main Standard: § 60.112(a)(1) |
| Monitoring Information | |
| Indicator: External Floating Roof | |
| Minimum Frequency: annually | |
| Averaging Period: n/a | |
| Deviation Limit: It shall be considered a deviation if the roof is not floating on the surface of the VOC, if liquid has accumulated on the external floating roof, the seals are detached, or if there are holes or tears in the seal fabric. | |
| Periodic Monitoring Text: Visually inspect and record the inspection of the external floating roof to ensure: the roof is floating on the surface of the VOC and not on the leg supports, liquid has not accumulated on the external floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the external floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation. | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| ID No.: T-451 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 60, Subpart K | SOP Index No.: 60K-1 |
| Pollutant: VOC | Main Standard: § 60.112(a)(1) |
| Monitoring Information | |
| Indicator: External Floating Roof | |
| Minimum Frequency: annually | |
| Averaging Period: n/a | |
| Deviation Limit: It shall be considered a deviation if the roof is not floating on the surface of the VOC, if liquid has accumulated on the external floating roof, the seals are detached, or if there are holes or tears in the seal fabric. | |
| Periodic Monitoring Text: Visually inspect and record the inspection of the external floating roof to ensure: the roof is floating on the surface of the VOC and not on the leg supports, liquid has not accumulated on the external floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the external floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation. | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| ID No.: T-546 | |
| Control Device ID No.: CANISTERS | Control Device Type: Carbon Adsorption System (Non-Regenerative) |
| Applicable Regulatory Requirement | |
| Name: 40 CFR Part 63, Subpart CC | SOP Index No.: 63CC-2 |
| Pollutant: 112(B)HAPS | Main Standard: § 63.640(n)(1) |
| Monitoring Information | |
| Indicator: Carbon Replacement Interval | |
| Minimum Frequency: At each replacement of carbon canister | |
| Averaging Period: n/a | |
| Deviation Limit: It shall be considered a deviation if the carbon is not replaced every 8 days when the Unit is in service. | |
| Periodic Monitoring Text: Monitor and record the replacement time interval of the carbon canister(s), as determined by the maximum design flow rate and organic concentration in the gas stream vented to the carbon adsorption system. Any data, collected for a period which exceeds the maximum carbon replacement interval shall be considered and reported as a deviation. | |

Periodic Monitoring Summary

| Unit/Group/Process Information | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: VC-50 | |
| Control Device ID No.: N/A | Control Device Type: N/A |
| Applicable Regulatory Requirement | |
| Name: 30 TAC Chapter 111, Visible Emissions | SOP Index No.: R1111-1 |
| Pollutant: OPACITY | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information | |
| Indicator: Visible Emissions | |
| Minimum Frequency: once per calendar quarter | |
| Averaging Period: n/a | |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder may report a deviation or perform Test Method 9 and opacity shall not exceed 20%. | |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If the result of the Test Method 9 is opacity above the opacity limit in the applicable requirement, the permit holder shall report a deviation.</p> | |

Permit Shield

Permit Shield 759

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| A-61/D-186 | N/A | 40 CFR Part 60, Subpart NNN | Construction, modification, or reconstruction of the affected facility commenced prior to December 30, 1983. |
| B-18 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn solid fossil fuel or liquid fuel. |
| B-18 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| B-18 | N/A | 40 CFR Part 60, Subpart Da | Unit is not an “electric utility steam generating unit” as defined in § 60.41Da |
| B-18 | N/A | 40 CFR Part 60, Subpart Dc | Heat input capacity > 100 MMBtu/hr. |
| B-26 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit. |
| B-27 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit. |
| B-32 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit. |
| B-33 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit. |
| B-34 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit. |
| C-115 | N/A | 40 CFR Part 60, Subpart GGG | Not in VOC Service. |
| C-116 | N/A | 40 CFR Part 60, Subpart GGG | Not in VOC Service. |
| C-122 | N/A | 40 CFR Part 60, Subpart GGG | Not in VOC Service. |
| C-135 | N/A | 40 CFR Part 60, Subpart GGG | Not in VOC Service. |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| C-167 | N/A | 40 CFR Part 60, Subpart GGG | Not in VOC service. |
| C-41 | N/A | 40 CFR Part 60, Subpart GGG | Not in VOC Service. |
| C-49 | N/A | 40 CFR Part 60, Subpart GGG | Not in VOC Service. |
| C-50 | N/A | 40 CFR Part 60, Subpart GGG | Not in VOC Service. |
| C-52 | N/A | 40 CFR Part 60, Subpart GGG | Not in VOC Service. |
| C-56 | N/A | 40 CFR Part 60, Subpart GGG | Not in VOC Service. |
| C-57 | N/A | 40 CFR Part 60, Subpart GGG | Not in VOC Service. |
| C-92 | N/A | 40 CFR Part 60, Subpart GGG | Not in VOC Service. |
| C-95 | N/A | 40 CFR Part 60, Subpart GGG | Not in VOC Service. |
| CT-1 | N/A | 40 CFR Part 63, Subpart Q | Not an affected facility by definition. Discontinued use of chromium-based water treatment chemicals prior to September 8, 1994. |
| CT-3 | N/A | 40 CFR Part 63, Subpart Q | Not an affected facility by definition. Discontinued use of chromium-based water treatment chemicals prior to September 8, 1994. |
| CT-4 | N/A | 40 CFR Part 63, Subpart Q | Not an affected facility by definition. Discontinued use of chromium-based water treatment chemicals prior to |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| | | | September 8, 1994. |
| CT-5 | N/A | 40 CFR Part 63, Subpart Q | Not an affected facility by definition. Discontinued use of chromium-based water treatment chemicals prior to September 8, 1994. |
| CT-6 | N/A | 40 CFR Part 63, Subpart CC | Contains no HAPS listed in Table 1 of this subpart. |
| CT-6 | N/A | 40 CFR Part 63, Subpart Q | Not an affected facility by definition. Discontinued use of chromium-based water treatment chemicals prior to September 8, 1994. |
| CT-8 | N/A | 40 CFR Part 63, Subpart CC | Contains no HAPS listed in Table 1 of this subpart. |
| CT-8 | N/A | 40 CFR Part 63, Subpart Q | Not an affected facility by definition. Discontinued use of chromium-based water treatment chemicals prior to September 8, 1994. |
| CT-9 | N/A | 40 CFR Part 63, Subpart Q | Not an affected facility by definition. Discontinued use of chromium-based water treatment chemicals prior to September 8, 1994. |
| D-13-1280 | N/A | 30 TAC Chapter 115, Storage of VOCs | In process vessel - does not serve the purpose of storage. |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|-------------------------------------|---------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| D-13-1280 | N/A | 40 CFR Part 60, Subpart QQQ | Does not meet the definition of an oil-water separator in § 60.691. |
| D-13-1281 | N/A | 30 TAC Chapter 115, Storage of VOCs | In process vessel - does not serve the purpose of storage. |
| D-13-1281 | N/A | 40 CFR Part 60, Subpart QQQ | Does not meet the definition of an oil-water separator in § 60.691. |
| D-292 | N/A | 30 TAC Chapter 115, Storage of VOCs | In process vessel - does not serve the purpose of storage. |
| D-292 | N/A | 40 CFR Part 60, Subpart QQQ | Does not meet the definition of an oil-water separator in § 60.691. |
| D-51 | N/A | 30 TAC Chapter 115, Storage of VOCs | In process vessel - does not serve the purpose of storage. |
| D-51 | N/A | 40 CFR Part 60, Subpart QQQ | Does not meet the definition of an oil-water separator in § 60.691. |
| D-606 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel has design capacity < 19,800 gallons. |
| D-606 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel has design capacity < 10,600 gallons. |
| D-620 | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessel does not store volatile organic compounds. |
| D-620 | N/A | 40 CFR Part 60, Subpart Kb | Storage drum does not store volatile |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|-------------------------------------|--------------------------------------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| | | | organic liquids. |
| D-620 | N/A | 40 CFR Part 63, Subpart CC | This is a wastewater storage tank. The definition of storage vessel excludes wastewater storage. |
| D-621 | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessel does not store volatile organic compounds. |
| D-621 | N/A | 40 CFR Part 60, Subpart Kb | Storage drum does not store volatile organic liquids. |
| D-621 | N/A | 40 CFR Part 63, Subpart CC | This is a wastewater storage tank. The definition of storage vessel excludes wastewater storage. |
| D-624 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel has design capacity < 19,800 gallons. |
| D-624 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel has design capacity < 10,600 gallons. |
| D-667 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel has design capacity < 19,800 gallons. |
| D-667 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel has design capacity < 10,600 gallons. |
| D-699 | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessel has design capacity < 1,000 gallons. |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|-------------------------------------|---------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| D-699 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel has design capacity < 19,800 gallons. |
| D-699 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel has design capacity < 10,600 gallons. |
| D-768 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel has design capacity < 19,800 gallons. |
| D-768 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel has design capacity < 10,600 gallons. |
| D-809 | N/A | 30 TAC Chapter 115, Storage of VOCs | In process vessel - does not serve the purpose of storage. |
| D-809 | N/A | 40 CFR Part 60, Subpart QQQ | Does not meet the definition of an oil-water separator in § 60.691. |
| D-810 | N/A | 30 TAC Chapter 115, Storage of VOCs | In process vessel - does not serve the purpose of storage. |
| D-810 | N/A | 40 CFR Part 60, Subpart QQQ | Does not meet the definition of an oil-water separator in § 60.691. |
| D-861 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel has design capacity < 19,800 gallons. |
| D-861 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel has design capacity < 10,600 gallons. |
| D-912 | N/A | 30 TAC Chapter 115, Storage of VOCs | In process vessel - does not serve the |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|-------------------------------------|----------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| | | | purpose of storage. |
| D-912 | N/A | 40 CFR Part 60, Subpart Kb | In process degassing vessel - does not serve the purpose of storage. |
| D-ADMIN | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessel has design capacity < 1,000 gallons. |
| D-ADMIN | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel has design capacity < 19,800 gallons. |
| D-ADMIN | N/A | 40 CFR Part 63, Subpart CC | Storage vessel has design capacity < 10,600 gallons. |
| D-CHEM1 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel design capacity is less than 19,800 gallons. |
| D-CHEM1 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel design capacity is less than 10,580 gallons. |
| D-CHEM2 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel design capacity is less than 19,800 gallons. |
| D-CHEM2 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel design capacity is less than 10,580 gallons. |
| D-DE24 | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessel has design capacity < 1,000 gallons. |
| D-DE24 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel has design capacity < 19,800 gallons. |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|-------------------------------------|--------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| D-DE24 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel has design capacity < 10,600 gallons. |
| D-DE27 | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessel has design capacity < 1,000 gallons. |
| D-DE27 | N/A | 40 CFR Part 60, Subpart K | Storage vessel has design capacity less than 40,000 gallons. |
| D-DE27 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel has design capacity < 10,600 gallons. |
| D-DE7 | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessel has design capacity < 1,000 gallons. |
| D-DE7 | N/A | 40 CFR Part 60, Subpart Ka | Storage vessel has design capacity < 40,000 gallons. |
| D-DE7 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel has design capacity < 10,600 gallons. |
| D-DE8 | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessel has design capacity < 1,000 gallons. |
| D-DE8 | N/A | 40 CFR Part 60, Subpart Ka | Storage vessel has design capacity < 40,000 gallons. |
| D-DE8 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel has design capacity < 10,600 gallons. |
| DE-24 | N/A | 40 CFR Part 60, Subpart IIII | Constructed prior to July 11, 2005. |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|-------------------------------------|----------------------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| DE-27 | N/A | 40 CFR Part 60, Subpart IIII | Constructed prior to July 11, 2005. |
| DE-27 | N/A | 40 CFR Part 63, Subpart ZZZZ | Existing emergency stationary RICE with a site rating greater than 500 brake HP. |
| DE-31 | N/A | 40 CFR Part 60, Subpart IIII | Constructed prior to July 11, 2005. |
| DE-7 | N/A | 40 CFR Part 60, Subpart IIII | Constructed prior to July 11, 2005. |
| DE-7 | N/A | 40 CFR Part 63, Subpart ZZZZ | Existing emergency stationary RICE with a site rating greater than 500 brake HP. |
| DE-8 | N/A | 40 CFR Part 60, Subpart IIII | Constructed prior to July 11, 2005. |
| DE-8 | N/A | 40 CFR Part 63, Subpart ZZZZ | Existing emergency stationary RICE with a site rating greater than 500 brake HP. |
| DE-ADMIN | N/A | 40 CFR Part 60, Subpart IIII | Constructed prior to July 11, 2005. |
| DE-GUARD | N/A | 40 CFR Part 60, Subpart IIII | Constructed prior to July 11, 2005. |
| D-FIREFIEL | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessel has design capacity < 1,000 gallons. |
| D-FIREFIEL | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel has design capacity < 19,800 gallons. |
| D-FIREFIEL | N/A | 40 CFR Part 63, Subpart CC | Storage vessel has design capacity < 10,600 gallons. |
| D-FIREHOUS | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessel has design capacity < 1,000 |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|-----------------------------|---------------------------------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| | | | gallons. |
| D-FIREHOUS | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel has design capacity < 19,800 gallons. |
| D-FIREHOUS | N/A | 40 CFR Part 63, Subpart CC | Storage vessel has design capacity < 10,600 gallons. |
| DOCK-40 | N/A | 40 CFR Part 63, Subpart CC | Only marine unloading operations are conducted at this dock. |
| DOCK-40 | N/A | 40 CFR Part 63, Subpart Y | Only marine unloading operations are conducted at this dock. |
| DOCK-41 | N/A | 40 CFR Part 63, Subpart CC | Only marine unloading operations are conducted at this dock. |
| DOCK-41 | N/A | 40 CFR Part 63, Subpart Y | Only marine unloading operations are conducted at this dock. |
| D-SERVICE | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel has design capacity < 19,800 gallons. |
| D-SERVICE | N/A | 40 CFR Part 63, Subpart CC | Storage vessel has design capacity < 10,600 gallons. |
| F-01 | N/A | 40 CFR Part 60, Subpart GGG | Process Unit Equipment not constructed/modified after 1/4/83 (Unit No F-01 includes C-136). |
| F-07 | N/A | 40 CFR Part 60, Subpart GGG | Process Unit Equipment not |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|-----------------------------|----------------------------------------------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| | | | constructed/modified after 1/4/83. |
| F-10 | N/A | 40 CFR Part 60, Subpart GGG | Process Unit Equipment not constructed/modified after 1/4/83. |
| F-11 | N/A | 40 CFR Part 60, Subpart GGG | Process Unit Equipment not constructed/modified after 1/4/83. |
| F-15 | N/A | 40 CFR Part 60, Subpart GGG | Process Unit Equipment not constructed/modified after 1/4/83 (Unit No F-15 includes C-40, C-42). |
| F-17 | N/A | 40 CFR Part 60, Subpart GGG | Process Unit Equipment not constructed/modified after 1/4/83 (Unit No F-17 includes C-46, C-47, & C-48). |
| F-27 | N/A | 40 CFR Part 60, Subpart GGG | Process Unit Equipment not constructed/modified after 1/4/83 (Unit No F-27 includes C-108/C-109). |
| F-28 | N/A | 40 CFR Part 60, Subpart GGG | Process Unit Equipment not constructed/modified after 1/4/83 (Unit No F-28 includes C-37). |
| F-28 | N/A | 40 CFR Part 63, Subpart CC | Unit does not contain equipment in organic hazardous air pollutant service (HAP < 5 wt. %) |
| F-29 | N/A | 40 CFR Part 60, Subpart GGG | Process Unit Equipment not constructed/modified after 1/4/83. |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|----------------------------------|---------------------------------------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| F-31 | N/A | 40 CFR Part 60, Subpart GGG | Process Unit Equipment not constructed/modified after 1/4/83 (Unit No F-31 includes C-100/C-101). |
| F-33 | N/A | 40 CFR Part 60, Subpart GGG | Process unit equipment not constructed/modified after 1/4/83. |
| F-35 | N/A | 40 CFR Part 60, Subpart GGG | Process unit equipment not constructed/modified after 1/4/83. |
| F-35 | N/A | 40 CFR Part 63, Subpart CC | Unit does contain equipment in organic hazardous air pollutant service (HAP < 5 wt.%) |
| F-41 | N/A | 40 CFR Part 60, Subpart GGG | Process Unit Equipment not constructed/modified after 1/4/83. |
| F-45 | N/A | 40 CFR Part 60, Subpart GGG | Process unit equipment not constructed/modified after 1/4/83. |
| F-47 | N/A | 40 CFR Part 60, Subpart GGG | Process unit equipment not constructed/modified after 1/4/83. |
| F-47 | N/A | 40 CFR Part 63, Subpart CC | Unit does not contain equipment in organic hazardous air pollutant service (HAP < 5 wt.%) |
| G-18-1403 | N/A | 30 TAC Chapter 111, Incineration | Does not combust solid waste as defined in §101.1 |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| G-18-1403 | N/A | 30 TAC Chapter 117, Subchapter B | This is a tail gas incinerator and serves as the control device for a sulfur recovery unit (SRU). Thus, the incinerator is an integral part of the SRU, & SRIs are exempt from the rule. |
| G-18-1403 | N/A | 40 CFR Part 60, Subpart J | Tail gas incinerator is not a fuel gas combustion device as defined in § 60.101. |
| GFDT-1 | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessel has design capacity < 1,000 gallons. |
| GFDT-1 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel has design capacity < 19,800 gallons. |
| GFDT-1 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel has design capacity < 10,600 gallons. |
| H-13-1401 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| H-13-1401 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| H-13-1421 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| H-13-1421 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| H-13-1451 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| H-13-1451 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| H-13-1480 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| H-13-1480 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| H-15 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not fire liquid fuel. |
| H-16 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| H-16&17 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| H-17 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| H-18 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| H-18 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| H-19 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| H-19 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| H-20 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| H-21 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| H-21 | N/A | 40 CFR Part 63, Subpart UUU | Process vent gas stream that is routed to this heater for control is after the coke burn-off cycle and are a part of the catalyst rejuvenation cycle. |
| H-22 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| H-22 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| H-23 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|---------------------------------------|------------------------------------|
| ID No. | Group/Inclusive Units | | |
| H-23 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| H-27 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not fire liquid fuel. |
| H-27 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| H-28 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| H-29 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| H-29 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| H-31 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not fire liquid fuel. |
| H-31&32 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| H-32 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| H-34 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| H-34 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| H-35 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not fire liquid fuel. |
| H-35 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| H-44 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| H-44 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| H-45 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not fire liquid fuel. |
| H-45 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|---------------------------------------|-----------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| H-46 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not fire liquid fuel. |
| H-46 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| H-50 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| H-50 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| H-57 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| H-57 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| H-57 | N/A | 40 CFR Part 60, Subpart Db | Definition of steam generating unit does not include process heaters. |
| H-58 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| H-58 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| H-58 | N/A | 40 CFR Part 60, Subpart Db | Definition of steam generating unit does not include process heaters. |
| H-60 | N/A | 30 TAC Chapter 112, Sulfur Compounds | Unit does not burn liquid fuel. |
| H-60 | N/A | 30 TAC Chapter 115, Vent Gas Controls | Non-Control Device Combustion Unit |
| H-60 | N/A | 40 CFR Part 60, Subpart Db | Definition of steam generating unit does not include process heaters. |
| MISC DRUMS | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessels have design capacity < 1,000 gallons. |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| MISC DRUMS | N/A | 40 CFR Part 60, Subpart Kb | Storage vessels have design capacity < 19,800 gallons. |
| MISC DRUMS | N/A | 40 CFR Part 63, Subpart CC | Storage vessels have design capacity < 10,600 gallons. |
| MVDU-01 | N/A | 30 TAC Chapter 111, Incineration | Does not combust solid waste as defined in 101.1. |
| MVDU-01 | N/A | 30 TAC Chapter 115, Vent Gas Controls | The vent gas stream is exempt from this division (Vent Gas Control) because all of the VOCs in the vent gas stream originate from a source(s) for which another division within Chapter 115 (Loading and Unloading of VOCs) has estab. a control require. |
| MVDU-01 | N/A | 40 CFR Part 60, Subpart J | This source is not subject to regulation as a fuel gas combustion device under NSPS J because it does not combust for energy recovery fuel gas from a refinery process unit. See memo, NSPS J Applicability Analysis. |
| T-070 | N/A | 30 TAC Chapter 115, Industrial Wastewater | This is a sludge storage tank. Sludge does not meet the § 115.140 definition of a VOC wastewater. Sludge is not regulated under the provisions of § 115.140 - § 115.149. |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|-------------------------------------|--------------------------------------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| T-073 | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessel does not store volatile organic compounds. |
| T-073 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel does not store volatile organic liquids. |
| T-073 | N/A | 40 CFR Part 63, Subpart CC | This is a wastewater storage tank. The definition of storage vessel excludes wastewater storage. |
| T-074 | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessel does not store volatile organic compounds. |
| T-074 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel does not store volatile organic liquids. |
| T-074 | N/A | 40 CFR Part 63, Subpart CC | This is a wastewater storage tank. The definition of storage vessel excludes wastewater storage. |
| T-075 | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessel does not store volatile organic compounds. |
| T-075 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel does not store volatile organic liquids. |
| T-075 | N/A | 40 CFR Part 63, Subpart CC | This is a wastewater storage tank. The definition of storage vessel excludes wastewater storage. |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|-------------------------------------|--------------------------------------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| T-076 | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessel does not store volatile organic compounds. |
| T-076 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel does not store volatile organic liquids. |
| T-076 | N/A | 40 CFR Part 63, Subpart CC | This is a wastewater storage tank. The definition of storage vessel excludes wastewater storage. |
| T-077 | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessel does not store volatile organic compounds. |
| T-077 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel does not store volatile organic liquids. |
| T-077 | N/A | 40 CFR Part 63, Subpart CC | This is a wastewater storage tank. The definition of storage vessel excludes wastewater storage. |
| T-078 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage vessel excludes wastewater storage. |
| T-088 | N/A | 40 CFR Part 60, Subpart K | Constructed prior to June 11, 1973. |
| T-092 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage vessel excludes wastewater storage. |
| T-094 | N/A | 40 CFR Part 60, Subpart Kb | Vessel has a design capacity less than 19,800 gallons. |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|----------------------------|----------------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| T-094 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage vessel excludes wastewater storage. |
| T-096 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage vessel excludes wastewater storage. |
| T-115 | N/A | 40 CFR Part 60, Subpart Ka | Pressure Vessel > 15 psig |
| T-115 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage vessel exempts pressure vessels. |
| T-116 | N/A | 40 CFR Part 60, Subpart Ka | Pressure Vessel > 15 psig |
| T-116 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage vessel exempts pressure vessels. |
| T-117 | N/A | 40 CFR Part 60, Subpart K | Pressure Vessel > 15 psig |
| T-117 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage vessel exempts pressure vessels. |
| T-118 | N/A | 40 CFR Part 60, Subpart K | Pressure Vessel > 15 psig |
| T-118 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage vessel exempts pressure vessels. |
| T-15-1902 | N/A | 40 CFR Part 60, Subpart Kb | Vessel has a design capacity less than 19,800 gallons. |
| T-15-1904 | N/A | 40 CFR Part 60, Subpart Kb | Vessel stores a VOL with a maximum true vapor pressure less than 0.5 psia. |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|----------------------------|----------------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| T-303 | N/A | 40 CFR Part 60, Subpart K | Constructed prior to June 11, 1973. |
| T-307 | N/A | 40 CFR Part 60, Subpart Kb | Vessel stores a VOL with a maximum true vapor pressure less than 0.5 psia. |
| T-316 | N/A | 40 CFR Part 60, Subpart K | Constructed prior to June 11, 1973. |
| T-322 | N/A | 40 CFR Part 60, Subpart Ka | Definition of storage vessel exempts pressure vessels. |
| T-322 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage vessel exempts pressure vessels. |
| T-323 | N/A | 40 CFR Part 60, Subpart Ka | Definition of storage vessel exempts pressure vessels. |
| T-323 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage vessel exempts pressure vessels. |
| T-324 | N/A | 40 CFR Part 60, Subpart Ka | Definition of storage vessel exempts pressure vessels. |
| T-324 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage vessel exempts pressure vessels. |
| T-325 | N/A | 40 CFR Part 60, Subpart Ka | Definition of storage vessel exempts pressure vessels. |
| T-325 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage vessel exempts pressure vessels. |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|-----------------------------|---------------------------------------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| T-326 | N/A | 40 CFR Part 60, Subpart Ka | Definition of storage vessel exempts pressure vessels. |
| T-326 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage vessel exempts pressure vessels. |
| T-327 | N/A | 40 CFR Part 60, Subpart Ka | Definition of storage vessel exempts pressure vessels. |
| T-327 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage vessel exempts pressure vessels. |
| T-330 | N/A | 40 CFR Part 60, Subpart Ka | Capacity < 40,000 gallons. |
| T-335 | N/A | 40 CFR Part 60, Subpart QQQ | Constructed prior to 5/4/87, and not modified or reconstructed. |
| T-336 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel has design capacity < 19,800 gallons. |
| T-336 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel does not store organic liquids and the vessel design capacity is < 10,600 gallons. |
| T-337 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel has design capacity < 19,800 gallons. |
| T-337 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel does not store organic liquids and the vessel design capacity is < 10,600 gallons. |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| T-436 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage vessel excludes wastewater storage. |
| T-437 | N/A | 40 CFR Part 60, Subpart K | Pressure Vessel > 15 psig |
| T-437 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage vessel exempts pressure vessels. |
| T-438 | N/A | 40 CFR Part 60, Subpart K | Pressure Vessel > 15 psig |
| T-438 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage vessel exempts pressure vessels. |
| T-444 | N/A | 40 CFR Part 60, Subpart Kb | Maximum true vapor pressure is less than 0.5 psia. |
| T-445 | N/A | 40 CFR Part 60, Subpart Kb | Maximum true vapor pressure is less than 0.5 psia. |
| T-446 | N/A | 40 CFR Part 60, Subpart K | Constructed prior to June 11, 1973. |
| T-475 | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessel does not store volatile organic compounds. |
| T-475 | N/A | 40 CFR Part 60, Subpart Ka | Storage vessel does not store petroleum liquids. |
| T-475 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel does not store organic liquids and the vessel design capacity is less than 10,600 gallons. |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| T-479 | N/A | 40 CFR Part 60, Subpart K | Capacity < 40,000 gallons. |
| T-479 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel contains no HAPS listed in Table 1 of this subpart. |
| T-482 | N/A | 40 CFR Part 60, Subpart K | Capacity < 40,000 gallons. |
| T-486 | N/A | 40 CFR Part 60, Subpart Ka | #6 Oil is not a Petroleum Liquid (per the 60.111a(b) definition of "petroleum liquids", No. 6 Fuel Oil (which is what Residfiner Feed is), is not a Petroleum Liquid.) |
| T-493 | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessel does not store volatile organic compounds. |
| T-493 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel does not store volatile organic liquids. |
| T-493 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel does not store organic liquids and the vessel design capacity is less than 10,600 gallons. |
| T-499 | N/A | 40 CFR Part 60, Subpart Kb | Vessel stores a VOL with a maximum true vapor pressure less than 0.5 psia. |
| T-519 | N/A | 40 CFR Part 60, Subpart Kb | Vessel stores a VOL with a maximum true vapor pressure less than 2.2 psia. |
| T-519 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel contains no HAPS listed in |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|-------------------------------------|----------------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| | | | Table 1 of this subpart. |
| T-520 | N/A | 40 CFR Part 60, Subpart Kb | Vessel stores a VOL with a maximum true vapor pressure less than 2.2 psia. |
| T-520 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel contains no HAPS listed in Table 1 of this subpart. |
| T-538 | N/A | 40 CFR Part 60, Subpart Kb | Pressure Vessel > 15 psig |
| T-538 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage vessel exempts pressure vessels. |
| T-539 | N/A | 40 CFR Part 60, Subpart Kb | Pressure Vessel > 15 psig |
| T-539 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage vessel exempts pressure vessels. |
| T-543 | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessel does not store volatile organic liquids. |
| T-543 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel does not store volatile organic liquids. |
| T-543 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel does not store organic liquids. |
| T-547 | N/A | 40 CFR Part 60, Subpart Kb | Pressure Vessel > 15 psig |
| T-547 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage tank exempts pressure tanks. |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|-------------------------------------|----------------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| T-548 | N/A | 40 CFR Part 60, Subpart Kb | Pressure Vessel > 15 psig |
| T-548 | N/A | 40 CFR Part 63, Subpart CC | Definition of storage tank exempts pressure tanks. |
| T-551 | N/A | 30 TAC Chapter 115, Storage of VOCs | Storage vessel does not store volatile organic liquids. |
| T-551 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel does not store volatile organic liquids. |
| T-551 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel does not store organic liquids. |
| T-558 | N/A | 40 CFR Part 60, Subpart Kb | Vessel stores a VOL with a maximum true vapor pressure less than 0.5 psia. |
| T-559 | N/A | 40 CFR Part 60, Subpart Kb | Vessel stores a VOL with a maximum true vapor pressure less than 0.5 psia. |
| T-561 | N/A | 40 CFR Part 60, Subpart Kb | Vessel stores a VOL with a maximum true vapor pressure less than 0.5 psia. |
| T-570 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel has design capacity < 19,800 gallons. |
| T-570 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel has design capacity < 10,600 gallons. |
| T-572 | N/A | 40 CFR Part 60, Subpart Kb | Maximum true vapor pressure is less than 0.5 psia. |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|----------------------------|-------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| T-577 | N/A | 40 CFR Part 60, Subpart Kb | Maximum true vapor pressure is less than 0.5 psia. |
| T-582 | N/A | 40 CFR Part 60, Subpart Kb | Maximum true vapor pressure is less than 0.5 psia. |
| T-583 | N/A | 40 CFR Part 60, Subpart Kb | Maximum true vapor pressure is less than 0.5 psia. |
| T-639 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel design capacity is less than 19,800 gallons. |
| T-639 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel design capacity is less than 10,580 gallons. |
| T-640 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel design capacity is less than 19,800 gallons. |
| T-640 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel design capacity is less than 10,580 gallons. |
| T-641 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel design capacity is less than 19,800 gallons. |
| T-641 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel design capacity is less than 10,580 gallons. |
| T-642 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel design capacity is less than 19,800 gallons. |
| T-642 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel design capacity is less than |

Permit Shield

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

| Unit/Group/Process | | Regulation | Basis of Determination |
|--------------------|-----------------------|----------------------------|---------------------------------------------------------------------|
| ID No. | Group/Inclusive Units | | |
| | | | 10,580 gallons. |
| T-647 | N/A | 40 CFR Part 60, Subpart Kb | Storage vessel design capacity is less than 19,800 gallons. |
| T-647 | N/A | 40 CFR Part 63, Subpart CC | Storage vessel design capacity is less than 10,580 gallons. |
| VC-50 | N/A | 40 CFR Part 60, Subpart J | Constructed prior to 06/11/1973, and not modified or reconstructed. |

New Source Review Authorization References

New Source Review Authorization References 788

New Source Review Authorization References by Emission Unit..... 789

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

| Prevention of Significant Deterioration (PSD) Permits | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| PSD Permit No.: PSDTX822M2 | Issuance Date: 02/19/2015 |
| Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area. | |
| Authorization No.: 39142 | Issuance Date: 02/19/2015 |
| Authorization No.: 77806 | Issuance Date: 01/27/2006 |
| Authorization No.: 91499 | Issuance Date: 12/18/2009 |
| Permits By Rule (30 TAC Chapter 106) for the Application Area | |
| Number: 106.261 | Version No./Date: 11/01/2003 |
| Number: 106.262 | Version No./Date: 11/01/2003 |
| Number: 106.263 | Version No./Date: 11/01/2001 |
| Number: 106.412 | Version No./Date: 09/04/2000 |
| Number: 106.454 | Version No./Date: 07/08/1998 |
| Number: 106.454 | Version No./Date: 11/01/2001 |
| Number: 106.472 | Version No./Date: 09/04/2000 |
| Number: 106.477 | Version No./Date: 09/04/2000 |
| Number: 106.478 | Version No./Date: 09/04/2000 |
| Number: 106.511 | Version No./Date: 09/04/2000 |
| Number: 106.512 | Version No./Date: 06/13/2001 |

New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|----------------------------------------------|---------------------------------|
| 16-1101 | RESIDFINER TRAIN 1 SOUR WATER STRIPPER TOWER | 39142, PSDTX822M2 |
| 16-1151 | RESIDFINER TRAIN 2 SOUR WATER STRIPPER TOWER | 39142, PSDTX822M2 |
| 16-1171 | COKER SOUR WATER STRIPPER | 39142, PSDTX822M2 |
| 16-1203 | PROCESS VENT | 39142, PSDTX822M2 |
| 16-1223 | GOHT SWS SKIMMED OIL ACCUMULATOR | 39142, PSDTX822M2 |
| A-122 | NO. 3 SRU SOUR WATER STRIPPER | 39142, PSDTX822M2 |
| A-158 | NO. 3 CRUDE SOUR WATER STRIPPER | 39142, PSDTX822M2 |
| A-49 | NO. 3 SOUR WATER STRIPPER TOWER | 39142, PSDTX822M2 |
| A-58 | NO. 1/2 TOPPERS SOUR WATER STRIPPER | 39142, PSDTX822M2 |
| A-61/D-186 | SEPARATION TOWER | 39142, PSDTX822M2 |
| B-18 | BOILER B-18 | 39142, PSDTX822M2 |
| B-26 | BOILER B-26 | 39142, PSDTX822M2 |
| B-27 | BOILER B-27 | 39142, PSDTX822M2 |
| B-32 | BOILER NO. 32 | 39142, 91499, PSDTX822M2 |
| B-33 | BOILER NO. 33 | 39142, 91499, PSDTX822M2 |
| B-34 | BOILER NO. 34 | 39142, PSDTX822M2 |
| C-115 | COMPRESSOR C-115 | 39142, PSDTX822M2 |
| C-116 | COMPRESSOR C-116 | 39142, PSDTX822M2 |

New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|--------------------------------|---------------------------------|
| C-122 | COMPRESSOR C-122 | 39142, PSDTX822M2 |
| C-135 | COMPRESSOR C-135 | 39142, PSDTX822M2 |
| C-137 | COMPRESSOR C-137 | 39142, PSDTX822M2 |
| C-141 | COMPRESSOR C-141 | 39142, PSDTX822M2 |
| C-142 | COMPRESSOR C-142 | 39142, PSDTX822M2 |
| C-167 | COMPRESSOR C-167 | 39142, PSDTX822M2 |
| C-41 | COMPRESSOR C-41 | 39142, PSDTX822M2 |
| C-49 | COMPRESSOR C-49 | 39142, PSDTX822M2 |
| C-50 | COMPRESSOR C-50 | 39142, PSDTX822M2 |
| C-52 | COMPRESSOR C-52 | 39142, PSDTX822M2 |
| C-56 | COMPRESSOR C-56 | 39142, PSDTX822M2 |
| C-57 | COMPRESSOR C-57 | 39142, PSDTX822M2 |
| C-92 | COMPRESSOR C-92 | 39142, PSDTX822M2 |
| C-95 | COMPRESSOR C-95 | 39142, PSDTX822M2 |
| CANISTERS | CARBON CANISTERS | 39142, PSDTX822M2 |
| CT-10 | COOLING TOWER NO. 10 | 39142, PSDTX822M2 |
| CT-1 | COOLING TOWER NO. 1 | 39142, PSDTX822M2 |
| CT-3 | COOLING TOWER NO. 3 | 39142, PSDTX822M2 |

New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|---------------------------------|---------------------------------|
| CT-4 | COOLING TOWER NO. 4 | 39142, PSDTX822M2 |
| CT-5 | COOLING TOWER NO. 5 | 39142, PSDTX822M2 |
| CT-6 | COOLING TOWER NO. 6 | 39142, PSDTX822M2 |
| CT-8 | COOLING TOWER NO. 8 | 39142, PSDTX822M2 |
| CT-9 | COOLING TOWER NO. 9 | 39142, PSDTX822M2 |
| CUBFUG | CENTRIFUGE PROJECT FUGITIVES | 106.261/11/01/2003 |
| CUBSCRUB | CENTRIFUGE PROJECT PROCESS VENT | 106.261/11/01/2003 |
| D-1026 | PROCESS VENT | 39142, PSDTX822M2 |
| D-1120 | PROCESS VENT | 39142, PSDTX822M2 |
| D-1176 | FUEL GAS MIXING DRUM | 39142, PSDTX822M2 |
| D-1180 | FGR LIQUID SEAL DRUM | 39142, PSDTX822M2 |
| D-1181 | FGR LIQUID SEAL DRUM | 39142, PSDTX822M2 |
| D-1184 | FGR LIQUID SEAL DRUM | 39142, PSDTX822M2 |
| D-1185 | FGR LIQUID SEAL DRUM | 39142, PSDTX822M2 |
| D-1188 | FGR LIQUID SEAL DRUM | 39142, PSDTX822M2 |
| D-1193 | PROCESS VENT | 39142, PSDTX822M2 |
| D-13-1280 | DESALTER VESSEL | 39142, PSDTX822M2 |
| D-13-1281 | DESALTER VESSEL | 39142, PSDTX822M2 |

New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|----------------------------------------|---------------------------------|
| D-15-1208 | SOUR WATER SUMP | 39142, PSDTX822M2 |
| D-292 | 1ST STAGE DESALTER VESSEL | 39142, PSDTX822M2 |
| D-30 | SOUR WATER FEED SURGE DRUM | 39142, PSDTX822M2 |
| D-486 | SOUR WATER FEED/SURGE DRUM | 39142, PSDTX822M2 |
| D-51 | 1ST STAGE DESALTER VESSEL | 39142, PSDTX822M2 |
| D-606 | STORAGE DRUM | 39142, PSDTX822M2 |
| D-620 | STORAGE DRUM | 39142, PSDTX822M2 |
| D-621 | STORAGE DRUM | 39142, PSDTX822M2 |
| D-624 | STORAGE DRUM | 39142, PSDTX822M2 |
| D-667 | STORAGE DRUM | 39142, PSDTX822M2 |
| D-699 | STORAGE DRUM | 39142, PSDTX822M2 |
| D-768 | STORAGE DRUM | 39142, PSDTX822M2 |
| D-809 | 2ND STAGE DESALTER VESSEL | 39142, PSDTX822M2 |
| D-810 | 2ND STAGE DESALTER VESSEL | 39142, PSDTX822M2 |
| D-861 | SLOP OIL STORAGE TANK | 39142, PSDTX822M2 |
| D-912 | OIL/WATER SEPARATOR - DEGASSING VESSEL | 39142, PSDTX822M2 |
| D-961 | PROCESS VENT | 39142, PSDTX822M2 |
| D-973 | PROCESS VENT | 39142, PSDTX822M2 |

New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|---------------------------------|---------------------------------|
| D-974 | PROCESS VENT | 39142, PSDTX822M2 |
| D-975 | PROCESS VENT | 39142, PSDTX822M2 |
| D-976 | PROCESS VENT | 39142, PSDTX822M2 |
| D-978 | COKE FRACTIONATOR OVERHEAD DRUM | 39142, PSDTX822M2 |
| D-980 | COKE BLOWDOWN SETTLING DRUM | 39142, PSDTX822M2 |
| D-ADMIN | DIESEL STORAGE TANK | 39142, PSDTX822M2 |
| D-CHEM1 | STORAGE TANK D-CHEM1 | 106.261/11/01/2003 |
| D-CHEM2 | STORAGE TANK D-CHEM2 | 106.472/09/04/2000 |
| D-DE24 | DIESEL STORAGE TANK | 39142, PSDTX822M2 |
| D-DE27 | DIESEL STORAGE TANK | 39142, PSDTX822M2 |
| D-DE7 | DIESEL STORAGE TANK | 39142, PSDTX822M2 |
| D-DE8 | DIESEL STORAGE TANK | 39142, PSDTX822M2 |
| DE-24 | DIESEL ENGINE DE-24 | 106.511/09/04/2000 |
| DE-27 | DIESEL ENGINE NO. 27 | 106.511/09/04/2000 |
| DE-31 | DIESEL ENGINE DE-31 | 106.511/09/04/2000 |
| DE-7 | DIESEL ENGINE DE-07 | 106.511/09/04/2000 |
| DE-8 | DIESEL ENGINE DE-08 | 106.511/09/04/2000 |
| DE-ADMIN | DIESEL ENGINE DE-ADMIN | 106.511/09/04/2000 |

New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|-----------------------------------------------|---------------------------------|
| DE-AIR1 | EMERGENCY DIESEL AIR COMPRESSOR | 106.511/09/04/2000 |
| DE-AIR2 | EMERGENCY DIESEL AIR COMPRESSOR | 106.511/09/04/2000 |
| DE-GUARD | DIESEL ENGINE DE-GUARD | 106.511/09/04/2000 |
| DE-SERVICE | EMERGENCY DIESEL GENERATOR | 106.511/09/04/2000 |
| DE-T-095 | T-095 DIESEL ENGINE | 106.512/06/13/2001 |
| D-FIREFIEL | DIESEL STORAGE TANK | 39142, PSDTX822M2 |
| D-FIREHOUS | DIESEL STORAGE TANK | 39142, PSDTX822M2 |
| DOCK-16 | SHIP & BARGE LOADING | 39142, PSDTX822M2 |
| DOCK-20 | SHIP & BARGE LOADING | 39142, PSDTX822M2 |
| DOCK-22 | SHIP & BARGE LOADING | 39142, PSDTX822M2 |
| DOCK-40 | SHIP & BARGE LOADING | 39142, PSDTX822M2 |
| DOCK-41 | SHIP & BARGE LOADING | 39142, PSDTX822M2 |
| DOCK-56 | SHIP & BARGE LOADING | 39142, PSDTX822M2 |
| DOCK-57 | SHIP & BARGE LOADING | 39142, PSDTX822M2 |
| D-SERVICE | DIESEL STORAGE TANK | 106.472/09/04/2000 |
| F-01 | NO. 1 AND NO. 2 CRUDE TOPPERS UNITS FUGITIVES | 39142, PSDTX822M2 |
| F-02 | FCCU/GAS CON UNIT FUGITIVES | 39142, PSDTX822M2 |
| F-07 | ALKYLATION UNIT FUGITIVES | 39142, PSDTX822M2 |

New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|--------------------------------------------------|---------------------------------|
| F-10 | AMINE UNIT FUGITIVES | 39142, PSDTX822M2 |
| F-11 | SRU COMPLEX (INCLUDING TGU #2) FUGITIVES | 39142, PSDTX822M2 |
| F-15 | NO. 3 CRUDE UNIT FUGITIVES | 39142, PSDTX822M2 |
| F-17 | NO. 2 REFORMER UNIT FUGITIVES | 39142, PSDTX822M2 |
| F-27 | SATS GAS UNIT FUGITIVES | 39142, PSDTX822M2 |
| F-28 | PPU (INCLD. LPG TANKS & TRUCK LOADING) FUGITIVES | 39142, PSDTX822M2 |
| F-29 | RVDU FUGITIVES | 39142, PSDTX822M2 |
| F-31 | MDHT UNIT FUGITIVES | 39142, PSDTX822M2 |
| F-33 | TANK FARM FUGITIVES | 39142, PSDTX822M2 |
| F-35 | UTILITIES FUGITIVES | 39142, PSDTX822M2 |
| F-36 | DHT UNIT FUGITIVES | 39142, PSDTX822M2 |
| F-40 | PENEX ISOMERIZATION UNIT FUGITIVES | 39142, PSDTX822M2 |
| F-41 | FLARES FUGITIVES | 39142, PSDTX822M2 |
| F-45 | MARINE LOADING DOCKS FUGITIVES | 39142, PSDTX822M2 |
| F-47 | WASTEWATER SYSTEM FUGITIVES | 39142, PSDTX822M2 |
| F-48 | MAINTENANCE DEGREASING OPERATIONS | 106.454/07/08/1998 |
| F-52 | ROSE/GOHT PROCESS/SRU FUGITIVES | 39142, PSDTX822M2 |
| F-54 | COKE PAD/STORAGE PM FUGITIVES | 39142, PSDTX822M2 |

New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|------------------------------------------|----------------------------------------|
| F-55 | COKE CRUSHER PM FUGITIVES | 39142, PSDTX822M2 |
| F-56 | COKE CONVEYOR PM FUGITIVES | 39142, PSDTX822M2 |
| F-57 | COKER UNIT VOC FUGITIVES | 39142, PSDTX822M2 |
| F-61 | LOW SULFUR GASOLINE UNIT (GDU) FUGITIVES | 39142, PSDTX822M2 |
| F-62 | LPG RECOVERY UNIT (LRU) FUGITIVES | 39142, PSDTX822M2 |
| F-63 | VACUUM TRUCK LOADING | 106.261/11/01/2003, 106.262/11/01/2003 |
| F-65 | SOLVENT DEGREASING MACHINE | 106.454/11/01/2001 |
| F-66 | SOLVENT DEGREASING MACHINE | 106.454/11/01/2001 |
| F-67 | A-151 FUGITIVES | 106.261/11/01/2003 |
| FL-1 | FLARE NO. 1 | 39142, PSDTX822M2 |
| FL-2 | FLARE NO. 2 | 39142, PSDTX822M2 |
| FL-3 | FLARE NO. 3 | 39142, PSDTX822M2 |
| FL-4 | FLARE NO. 4 | 39142, PSDTX822M2 |
| FL-5 | FLARE NO. 5 | 39142, PSDTX822M2 |
| G-001 | FCCU REGENERATOR VENT | 39142, PSDTX822M2 |
| G-1040 | API EAST BAY G-1040 | 39142, PSDTX822M2 |
| G-1041 | API WEST BAY G-1041 | 39142, PSDTX822M2 |
| G-18-1403 | GOHT TAIL GAS INCINERATOR | 39142, PSDTX822M2 |

New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|----------------------------------------|---------------------------------|
| G-2063 | SOUTH PLANT TAIL GAS INCINERATOR | 39142, PSDTX822M2 |
| GFDT-1 | MOTOR VEHICLE GASOLINE DISPENSING TANK | 106.412/09/04/2000 |
| GSRU | GOHT SULFUR RECOVERY UNITS | 39142, PSDTX822M2 |
| H-13-1401 | HEATER H-13-1401 | 39142, PSDTX822M2 |
| H-13-1421 | HEATER H-13-1421 | 39142, PSDTX822M2 |
| H-13-1451 | HEATER H-13-1451 | 39142, PSDTX822M2 |
| H-13-1480 | HEATER H-13-1480 | 39142, PSDTX822M2 |
| H-15 | HEATER H-15 | 39142, PSDTX822M2 |
| H-16&17 | CRUDE #3 HEATER | 39142, PSDTX822M2 |
| H-16 | HEATER H-16 | 39142, PSDTX822M2 |
| H-17 | HEATER H-17 | 39142, PSDTX822M2 |
| H-18 | HEATER H-18 | 39142, PSDTX822M2 |
| H-19 | HEATER H-19 | 39142, PSDTX822M2 |
| H-20 | HEATER H-20 | 39142, PSDTX822M2 |
| H-21 | HEATER H-21 | 39142, PSDTX822M2 |
| H-22 | HEATER H-22 | 39142, PSDTX822M2 |
| H-23 | HEATER H-23 | 39142, PSDTX822M2 |
| H-27 | HEATER H-27 | 39142, PSDTX822M2 |

New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|----------------------------------------------------|---------------------------------|
| H-28 | HEATER H-28 | 39142, PSDTX822M2 |
| H-29 | HEATER H-29 | 39142, PSDTX822M2 |
| H-31&32 | HEATER NO. 31 AND 32 | 39142, PSDTX822M2 |
| H-31 | HEATER H-31 | 39142, PSDTX822M2 |
| H-32 | HEATER H-32 | 39142, PSDTX822M2 |
| H-34 | HEATER H-34 | 39142, PSDTX822M2 |
| H-35 | HEATER H-35 | 39142, PSDTX822M2 |
| H-44 | HEATER H-44 | 39142, PSDTX822M2 |
| H-45 | HEATER H-45 | 39142, PSDTX822M2 |
| H-46 | HEATER H-46 | 39142, PSDTX822M2 |
| H-50 | HEATER H-50 | 39142, PSDTX822M2 |
| H-57 | HEATER H-57 | 39142, PSDTX822M2 |
| H-58 | HEATER H-58 | 39142, PSDTX822M2 |
| H-60 | HEATER H-60 | 39142, PSDTX822M2 |
| H-REF2 | NO. 2 REFORMER HEATERS NOS. 18-23 COMB EXHST STACK | 39142, PSDTX822M2 |
| J-108 | JET EJECTOR | 39142, PSDTX822M2 |
| J-109 | JET EJECTOR | 39142, PSDTX822M2 |
| J-110 | JET EJECTOR | 39142, PSDTX822M2 |

New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|----------------------------------|---------------------------------|
| J-111 | JET EJECTOR | 39142, PSDTX822M2 |
| J-112 | JET EJECTOR | 39142, PSDTX822M2 |
| LND-UNLOAD | LAND-BASED UNLOADING OPERATIONS | 39142, PSDTX822M2 |
| MISC DRUMS | MISCELLANEOUS STORAGE DRUMS | 106.472/09/04/2000 |
| MVDU-01 | MARINE VAPOR DESTRUCTION UNIT | 39142, PSDTX822M2 |
| R5VNT H-20 | PROCESS VENTS TO HEATER H-20 | 39142, PSDTX822M2 |
| R5VNT H-21 | PROCESS VENTS TO HEATER H-21 | 39142, PSDTX822M2 |
| R5VNT TGI-G | PROCESS VENTS TO GOHT TGI | 39142, PSDTX822M2 |
| R5VNT TGI-S | PROCESS VENTS TO SOUTH PLANT TGI | 39142, PSDTX822M2 |
| SPSRU | SOUTH PLANT SULFUR RECOVERY UNIT | 39142, PSDTX822M2 |
| T-069 | STORAGE TANK T-069 | 39142, PSDTX822M2 |
| T-070 | STORAGE TANK T-070 | 39142, PSDTX822M2 |
| T-073 | STORAGE TANK T-073 | 39142, PSDTX822M2 |
| T-074 | STORAGE TANK T-074 | 39142, PSDTX822M2 |
| T-075 | STORAGE TANK T-075 | 39142, PSDTX822M2 |
| T-076 | STORAGE TANK T-076 | 39142, PSDTX822M2 |
| T-077 | STORAGE TANK T-077 | 39142, PSDTX822M2 |
| T-078 | STORAGE TANK T-078 | 39142, PSDTX822M2 |

New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|--------------------------------|---------------------------------|
| T-088 | STORAGE TANK T-088 | 39142, PSDTX822M2 |
| T-092 | STORAGE TANK T-092 | 39142, PSDTX822M2 |
| T-094 | STORAGE TANK T-094 | 39142, PSDTX822M2 |
| T-095 | STORAGE TANK T-095 | 39142, PSDTX822M2 |
| T-096 | STORAGE TANK T-096 | 39142, PSDTX822M2 |
| T-100 | STORAGE TANK T-100 | 39142, PSDTX822M2 |
| T-101 | STORAGE TANK T-101 | 39142, PSDTX822M2 |
| T-115 | STORAGE TANK T-115 | 39142, PSDTX822M2 |
| T-116 | STORAGE TANK T-116 | 39142, PSDTX822M2 |
| T-117 | STORAGE TANK T-117 | 39142, PSDTX822M2 |
| T-118 | STORAGE TANK T-118 | 39142, PSDTX822M2 |
| T-15-1902 | STORAGE TANK T-15-1902 | 39142, PSDTX822M2 |
| T-15-1904 | STORAGE TANK T-15-1904 | 39142, PSDTX822M2 |
| T-16-1902 | STORAGE TANK T-16-1902 | 39142, PSDTX822M2 |
| T-16-1922 | STORAGE TANK T-16-1922 | 39142, PSDTX822M2 |
| T-303 | STORAGE TANK T-303 | 39142, PSDTX822M2 |
| T-307 | STORAGE TANK T-307 | 39142, PSDTX822M2 |
| T-316 | STORAGE TANK T-316 | 39142, PSDTX822M2 |

New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|--------------------------------|---------------------------------|
| T-320 | STORAGE TANK T-320 | 39142, PSDTX822M2 |
| T-321 | STORAGE TANK T-321 | 39142, PSDTX822M2 |
| T-322 | STORAGE TANK T-322 | 39142, PSDTX822M2 |
| T-323 | STORAGE TANK T-323 | 39142, PSDTX822M2 |
| T-324 | STORAGE TANK T-324 | 39142, PSDTX822M2 |
| T-325 | STORAGE TANK T-325 | 39142, PSDTX822M2 |
| T-326 | STORAGE TANK T-326 | 39142, PSDTX822M2 |
| T-327 | STORAGE TANK T-327 | 39142, PSDTX822M2 |
| T-330 | STORAGE TANK T-330 | 39142, PSDTX822M2 |
| T-335 | STORAGE TANK T-335 | 39142, PSDTX822M2 |
| T-336 | STORAGE TANK T-336 | 39142, PSDTX822M2 |
| T-337 | STORAGE TANK T-337 | 39142, PSDTX822M2 |
| T-424 | STORAGE TANK T-424 | 39142, PSDTX822M2 |
| T-428 | STORAGE TANK T-428 | 39142, PSDTX822M2 |
| T-436 | STORAGE TANK T-436 | 39142, PSDTX822M2 |
| T-437 | STORAGE TANK T-437 | 39142, PSDTX822M2 |
| T-438 | STORAGE TANK T-438 | 39142, PSDTX822M2 |
| T-444 | STORAGE TANK T-444 | 39142, PSDTX822M2 |

New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|--------------------------------|---------------------------------|
| T-445 | STORAGE TANK T-445 | 39142, PSDTX822M2 |
| T-446 | STORAGE TANK T-446 | 39142, PSDTX822M2 |
| T-451 | STORAGE TANK T-451 | 39142, PSDTX822M2 |
| T-475 | STORAGE TANK T-475 | 39142, PSDTX822M2 |
| T-477 | STORAGE TANK T-477 | 39142, PSDTX822M2 |
| T-478 | STORAGE TANK T-478 | 39142, PSDTX822M2 |
| T-479 | STORAGE TANK T-479 | 39142, PSDTX822M2 |
| T-482 | STORAGE TANK T-482 | 39142, PSDTX822M2 |
| T-486 | STORAGE TANK T-486 | 39142, PSDTX822M2 |
| T-489 | STORAGE TANK T-489 | 39142, PSDTX822M2 |
| T-490 | STORAGE TANK T-490 | 39142, PSDTX822M2 |
| T-491 | STORAGE TANK T-491 | 39142, PSDTX822M2 |
| T-493 | STORAGE TANK T-493 | 39142, PSDTX822M2 |
| T-499 | STORAGE TANK T-499 | 39142, PSDTX822M2 |
| T-519 | STORAGE TANK T-519 | 39142, PSDTX822M2 |
| T-520 | STORAGE TANK T-520 | 39142, PSDTX822M2 |
| T-538 | STORAGE TANK T-538 | 39142, PSDTX822M2 |
| T-539 | STORAGE TANK T-539 | 39142, PSDTX822M2 |

New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|--------------------------------|----------------------------------------|
| T-543 | STORAGE TANK T-543 | 39142, PSDTX822M2 |
| T-546 | STORAGE TANK T-546 | 39142, PSDTX822M2 |
| T-547 | STORAGE TANK T-547 | 106.261/11/01/2003 |
| T-548 | STORAGE TANK T-548 | 106.261/11/01/2003 |
| T-551 | STORAGE TANK T-551 | 39142, PSDTX822M2 |
| T-558 | STORAGE TANK T-558 | 106.478/09/04/2000 |
| T-559 | STORAGE TANK T-559 | 106.478/09/04/2000 |
| T-561 | STORAGE TANK T-561 | 106.478/09/04/2000 |
| T-563 | STORAGE TANK T-563 | 106.261/11/01/2003, 106.262/11/01/2003 |
| T-565 | STORAGE TANK T-565 | 106.478/09/04/2000 |
| T-568 | STORAGE TANK T-568 | 106.478/09/04/2000 |
| T-569 | STORAGE TANK T-569 | 106.478/09/04/2000 |
| T-570 | STORAGE TANK T-570 | 39142, PSDTX822M2 |
| T-572 | STORAGE TANK T-572 | 106.478/09/04/2000 |
| T-577 | STORAGE TANK T-577 | 106.478/09/04/2000 |
| T-581 | STORAGE TANK T-581 | 106.478/09/04/2000 |
| T-582 | STORAGE TANK T-582 | 106.478/09/04/2000 |
| T-583 | STORAGE TANK T-583 | 106.478/09/04/2000 |

New Source Review Authorization References by Emissions Unit

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

| Unit/Group/Process ID No. | Emission Unit Name/Description | New Source Review Authorization |
|---------------------------|----------------------------------------------------|------------------------------------------------------------|
| T-594 | STORAGE TANK T-594 | 39142, PSDTX822M2 |
| T-608 | STORAGE TANK T-608 | 106.263/11/01/2001, 106.478/09/04/2000 |
| T-609 | STORAGE TANK T-609 | 106.263/11/01/2001, 106.478/09/04/2000 |
| T-639 | STORAGE TANK T-639 | 106.261/11/01/2003 |
| T-640 | STORAGE TANK T-640 | 106.261/11/01/2003 |
| T-641 | STORAGE TANK T-641 | 106.261/11/01/2003 |
| T-642 | STORAGE TANK T-642 | 106.261/11/01/2003 |
| T-643 | STORAGE TANK T-643 | 106.261/11/01/2003, 106.263/11/01/2001, 106.478/09/04/2000 |
| T-647 | STORAGE TANK T-647 | 106.261/11/01/2003 |
| T-650 | STORAGE TANK T-650 | 106.478/09/04/2000 |
| VC-50 | CCR NO. 2 REGENERATION VENT | 39142, PSDTX822M2 |
| WW DRUMS | REG. V VOC WASTEWATER SATELLITE ACCUMULATION DRUMS | 39142, PSDTX822M2 |
| WW VACTRKS | REG. V VOC WASTEWATER VACUUM TRANSFER TRUCKS | 39142, PSDTX822M2 |

Appendix A

Acronym List806

Acronym List

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

| | | |
|------------------|-------|---------------------------------------------------|
| ACFM | ..... | actual cubic feet per minute |
| AMOC | ..... | alternate means of control |
| ARP | ..... | Acid Rain Program |
| ASTM | ..... | American Society of Testing and Materials |
| B/PA | ..... | Beaumont/Port Arthur (nonattainment area) |
| CAM | ..... | Compliance Assurance Monitoring |
| CD | ..... | control device |
| COMS | ..... | continuous opacity monitoring system |
| CVS | ..... | closed-vent system |
| D/FW | ..... | Dallas/Fort Worth (nonattainment area) |
| DR | ..... | Designated Representative |
| ELP | ..... | El Paso (nonattainment area) |
| EP | ..... | emission point |
| EPA | ..... | U.S. Environmental Protection Agency |
| EU | ..... | emission unit |
| FCAA Amendments | ..... | Federal Clean Air Act Amendments |
| FOP | ..... | federal operating permit |
| GF | ..... | grandfathered |
| gr/100 scf | ..... | grains per 100 standard cubic feet |
| HAP | ..... | hazardous air pollutant |
| H/G/B | ..... | Houston/Galveston/Brazoria (nonattainment area) |
| H ₂ S | ..... | hydrogen sulfide |
| ID No. | ..... | identification number |
| lb/hr | ..... | pound(s) per hour |
| MMBtu/hr | ..... | Million British thermal units per hour |
| MRRT | ..... | monitoring, recordkeeping, reporting, and testing |
| NA | ..... | nonattainment |
| N/A | ..... | not applicable |
| NADB | ..... | National Allowance Data Base |
| NO _x | ..... | nitrogen oxides |
| NSPS | ..... | New Source Performance Standard (40 CFR Part 60) |
| NSR | ..... | New Source Review |
| ORIS | ..... | Office of Regulatory Information Systems |
| Pb | ..... | lead |
| PBR | ..... | Permit By Rule |
| PM | ..... | particulate matter |
| ppmv | ..... | parts per million by volume |
| PSD | ..... | prevention of significant deterioration |
| RO | ..... | Responsible Official |
| SO ₂ | ..... | sulfur dioxide |
| TCEQ | ..... | Texas Commission on Environmental Quality |
| TSP | ..... | total suspended particulate |
| TVP | ..... | true vapor pressure |
| U.S.C. | ..... | United States Code |
| VOC | ..... | volatile organic compound |

Appendix B

Major NSR Summary Table.....808

**NSR Permit No. 39142 and PSDTX822M2 (Issuance Date: February 19, 2015)
Summary Table**

| AIR CONTAMINANTS DATA | | | | | | | |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------|--------------------|-------------------------------------|----------------------------|------------------------|
| 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 | Special Condition | Special Condition |
| Emission Caps ⁽⁷⁾ | | | | | | | |
| | Combustion Units, Tanks, Process Vents, Loading, Flares, Fugitives ⁽⁵⁾ , Wastewater, and Cooling Towers ⁽⁵⁾ , and Coker Unit | SO ₂ | 980.06 | 1,446.30 | 3 | 3 | |
| | | | | | 4 | 4 | |
| | | | | | 5 | 5 | |
| | | | | | 7 | 7 | |
| | | | | | 8 | 8 | |
| | | | | | 9 | 9 | |
| | | 14 | 13 | | | | |
| | | 15 | 14 | | | | |
| | | 16 | 16 | | | | |
| | | 19 | 17 | 3 | | | |
| | | 21 | 18 | 4 | | | |
| | | 22 | 19 | 5 | | | |
| | | 23 | 21 | 7 | | | |
| | | 24 | 22 | 8 | | | |
| | | 25 | 23 | 15 | | | |
| | | 27 | 24 | 28 | | | |
| | | 28 | 25 | 33 | | | |
| | | 29 | 27 | 35 | | | |
| | | 30 | 28 | 36 | | | |
| | | 31 | 29 | 40 | | | |
| | | 32 | 30 | 45 | | | |
| | 37 | 31 | 69 | | | | |
| | 40 | 32 | 70 | | | | |
| | 41 | 37 | 73 | | | | |
| | 43 | 40 | 74 | | | | |
| | 44 | 42 | 87 | | | | |
| | 45 | 43 | | | | | |
| | 46 | 44 | | | | | |
| | 47 | 45 | | | | | |
| | 48 | 46 | | | | | |
| | 49 | 47 | | | | | |
| | 50 | 48 | | | | | |
| | 51 | 49 | | | | | |
| | 53 | 50 | | | | | |
| | 55 | 51 | | | | | |
| | CO | 1,248.30 | 2,590.61 | | | | |
| | | | | | | | |
| | | | | | | | |
| | VOC | 2681.86 | 1,151.13 | | | | |
| | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|--|--|-------------------------|---------|---------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--|
| | | VOC (Post ULSK Project) | 2663.63 | 1096.46 | 59 60 62 63 64 67 68 69 70 73 74 75 76 77 78 85 88 | 55 59 60 62 63 67 68 69 70 73 74 76 77 78 81 86 88 | |
| | | Benzene (12) | 43.42 | 8.29 | | | |
| | | PM | 114.54 | 456.98 | | | |

Maintenance, Startup, and Shutdown (MSS) Caps and Subcaps ⁽⁹⁾

| | | | | | | | |
|--|------------------|------------------|-------|-------|----|-----|----|
| | See Attachment C | CO | 3,324 | 93.36 | | | |
| | | NOx | 1,752 | 75.87 | | | 90 |
| | | VOC | 5,167 | 155.3 | 90 | | 92 |
| | | SO ₂ | 5,744 | 101.1 | 91 | | 93 |
| | | H ₂ S | 101 | 1.40 | 92 | | 94 |
| | | PM | 149 | 13.86 | 93 | | 95 |
| | | Benzene | 69.14 | 1.44 | 94 | | 96 |
| | | HCl | 0.26 | 0.01 | 96 | | 97 |
| | | | | | | 99 | |
| | | | | | | 100 | |
| | | | | | | 101 | |
| | | | | | | 100 | |
| | | | | | | 101 | |
| | | | | | | 103 | |
| | | | | | | 105 | |

| | | | | | | | |
|-------|---------------|-----------------|-------|-------|----------|----------|---------------|
| EB-18 | Boiler No. 18 | NOx | 13.67 | 38.49 | 3 62 | 3 | |
| | | CO | 22.28 | 25.45 | 63 64 | 62 63 | |
| | | VOC | 1.39 | 4.39 | 73 76 | 73 76 | 3 73 76 |
| | | SO ₂ | 7.46 | 10.75 | 91 92 | 91 92 | |
| | | PM | 1.83 | 5.15 | 99 | 99 | |

| | | | | | | | |
|------------|--------------------------------------|--------------------------------------------|--------|-------|---------------------------------------------------------|---------------------------------------------------|---------------------|
| EB-26 | Boiler No. 26 | NOx | 4.32 | 12.92 | 3 62 63 64 73 76 91 92 99 79 | 3 62 63 73 76 79 91 92 99 | 3 73 76 79 |
| | | CO | 16.06 | 42.65 | | | |
| | | VOC | 2.33 | 6.97 | | | |
| | | SO ₂ | 11.80 | 13.07 | | | |
| | | PM | 3.22 | 9.39 | | | |
| EB-27 | Boiler No. 27 | NOx | 3.72 | 12.92 | 3 62 63 64 73 76 91 92 99 79 | 3 62 63 73 76 79 91 92 99 | 3 73 76 79 |
| | | CO | 16.28 | 38.09 | | | |
| | | VOC | 2.01 | 6.97 | | | |
| | | SO ₂ | 10.16 | 13.07 | | | |
| | | PM | 2.77 | 8.32 | | | |
| EB-34 | Boiler 34 | NOx | 3.60 | 15.77 | 3 62 63 64 73 76 91 92 99 | 3 62 63 73 76 91 92 99 | 3 73 76 |
| | | CO | 13.10 | 57.38 | | | |
| | | VOC | 2.01 | 8.80 | | | |
| | | SO ₂ | 9.80 | 15.89 | | | |
| | | PM/PM ₁₀ / PM _{2.5} | 2.78 | 11.75 | | | |
| EB-34 MSS | Boiler 34 MSS | NOx | 36.00 | 0.65 | 90 91 92 99 | 90 91 92 99 | |
| | | CO | 131.00 | 2.36 | | | |
| EH-13-1401 | GOHT Hydrotreater Furnace - T1 | NOx | 5.91 | 14.22 | 3 62 63 64 73 76 91 92 99 | 3 62 63 73 76 91 92 99 | 3 73 76 |
| | | CO | 15.81 | 15.93 | | | |
| | | VOC | 0.39 | 0.80 | | | |
| | | SO ₂ | 2.69 | 4.36 | | | |
| | | PM | 0.50 | 1.42 | | | |
| EH-13-1421 | GOHT Fractionator | NOx | 8.78 | 24.24 | 3 | 3 | 3 73 |

| | | | | | | | |
|------------|--------------------------------------|-----------------|-------|--------|---------------------------------------------------|---------------------------------------------|---------------|
| | Heater | CO | 9.22 | 11.88 | 62 63 64 73 76 91 92 99 | 62 63 73 76 91 92 99 | 76 |
| | | VOC | 0.56 | 1.19 | | | |
| | | SO ₂ | 3.43 | 3.91 | | | |
| | | PM | 0.73 | 2.37 | | | |
| EH-13-1451 | GOHT Hydrotreater Furnace - T2 | NOx | 6.90 | 13.25 | 3 62 63 64 73 76 91 92 99 | 3 62 63 73 76 91 92 99 | 3 73 76 |
| | | CO | 16.89 | 25.86 | | | |
| | | VOC | 0.48 | 0.87 | | | |
| | | SO ₂ | 2.69 | 4.36 | | | |
| | | PM | 0.62 | 1.34 | | | |
| EH-13-1480 | GOHT Feed Prep Heater 1480 | NOx | 8.31 | 36.38 | 3 62 63 64 73 76 91 92 99 | 3 62 63 73 76 91 92 99 | 3 73 76 |
| | | CO | 26.38 | 115.56 | | | |
| | | VOC | 0.87 | 2.31 | | | |
| | | SO ₂ | 3.78 | 5.00 | | | |
| | | PM | 1.03 | 3.14 | | | |
| EH-15 | FCCU Pre- Heater No. 15 | NOx | 10.29 | 41.16 | 3 62 63 64 73 76 91 92 99 | 3 62 63 73 76 91 92 99 | 3 |
| | | CO | 9.52 | 36.42 | | | |
| | | VOC | 0.57 | 1.89 | | | |
| | | SO ₂ | 2.87 | 3.26 | | | |
| | | PM | 0.78 | 2.61 | | | |
| EH-16/17 | Crude No. 3 Heater Nos. 16/17 | NOx | 19.58 | 85.78 | 3 62 63 64 73 76 91 92 99 | 3 62 63 73 76 91 92 99 | 3 73 76 |
| | | CO | 33.57 | 36.28 | | | |
| | | VOC | 2.09 | 7.97 | | | |
| | | SO ₂ | 11.56 | 18.47 | | | |
| | | PM | 2.89 | 9.44 | | | |

| | | | | | | | |
|----------|----------------------------------------|-----------------|-------|--------|---------------------------------------------------|---------------------------------------------|---------------|
| EH-REF2 | Reformer No. 2 Heater Nos. 18-23 | NOx | 32.80 | 122.64 | 3 62 63 64 73 76 91 92 99 | 3 62 63 73 76 91 92 99 | 3 73 76 |
| | | CO | 28.83 | 48.38 | | | |
| | | VOC | 2.21 | 8.25 | | | |
| | | SO ₂ | 11.22 | 15.50 | | | |
| | | PM | 3.04 | 11.36 | | | |
| EH-27 | FCCU Pre- Heater No. 27 | NOx | 3.77 | 12.44 | 3 62 63 64 78 91 92 99 | 3 62 63 78 91 92 99 | 3 |
| | | CO | 3.49 | 3.48 | | | |
| | | VOC | 0.19 | 0.57 | | | |
| | | SO ₂ | 1.05 | 1.05 | | | |
| | | PM | 0.26 | 0.79 | | | |
| EH-28 | Alkylation Heater No. 28 | NOx | 4.55 | 14.10 | 3 62 63 64 73 76 91 92 99 | 3 62 63 73 76 91 92 99 | 3 73 76 |
| | | CO | 12.14 | 18.14 | | | |
| | | VOC | 0.72 | 2.56 | | | |
| | | SO ₂ | 3.66 | 5.31 | | | |
| | | PM | 1.00 | 3.70 | | | |
| EH-29 | RV DU Heater | NOx | 12.33 | 39.90 | 3 62 63 64 73 78 91 92 99 | 3 62 63 73 78 91 92 99 | 3 73 |
| | | CO | 7.45 | 10.41 | | | |
| | | VOC | 0.38 | 1.68 | | | |
| | | SO ₂ | 2.24 | 3.64 | | | |
| | | PM | 0.61 | 2.31 | | | |
| EH-31/32 | MDHT Heater Nos. 31/32 | NOx | 7.09 | 23.62 | 3 62 63 64 67 | 3 62 63 67 73 | 3 73 |
| | | CO | 1.21 | 5.30 | | | |
| | | VOC | 0.27 | 1.18 | | | |

| | | | | | | | |
|-------|----------------------------|-----------------|-------|-------|---------------------------------------------------|---------------------------------------------|---------------|
| | | SO ₂ | 1.98 | 3.21 | 73 78 91 92 99 | 78 91 92 99 | |
| | | PM | 0.42 | 1.24 | | | |
| EH-34 | Vacuum Tower Charge Heater | NOx | 6.74 | 12.53 | 3 62 63 64 73 76 91 92 99 | 3 62 63 73 76 91 92 99 | 3 73 76 |
| | | CO | 14.89 | 12.29 | | | |
| | | VOC | 0.58 | 2.17 | | | |
| | | SO ₂ | 4.48 | 6.52 | | | |
| | | PM | 0.80 | 2.46 | | | |
| EH-35 | Penex Charge Heater | NOx | 1.82 | 7.97 | 3 62 63 64 78 91 92 99 | 3 62 63 78 91 92 99 | 3 |
| | | CO | 1.68 | 1.34 | | | |
| | | VOC | 0.07 | 0.25 | | | |
| | | SO ₂ | 0.51 | 0.64 | | | |
| | | PM | 0.09 | 0.29 | | | |
| EH-44 | Rose Heater | NOx | 20.15 | 31.54 | 3 62 63 64 73 76 91 92 99 | 3 62 63 73 76 91 92 99 | 3 73 76 |
| | | CO | 45.28 | 30.92 | | | |
| | | VOC | 1.79 | 6.27 | | | |
| | | SO ₂ | 10.54 | 17.10 | | | |
| | | PM | 2.34 | 6.76 | | | |
| EH-45 | Toppers Heater No. 45 | NOx | 14.02 | 48.68 | 3 62 63 64 73 76 91 92 99 | 3 62 63 73 76 91 92 99 | 3 73 76 |
| | | CO | 20.01 | 53.43 | | | |
| | | VOC | 1.74 | 6.29 | | | |
| | | SO ₂ | 9.57 | 15.52 | | | |
| | | PM | 1.60 | 7.01 | | | |
| EH-46 | Toppers Heater No. | NOx | 10.55 | 40.23 | 3 | 3 62 | 3 73 |

| | | | | | | | |
|-------|------------------------|-------------------|-------|-------|---------------------------------------------------|---------------------------------------------|---------------|
| | 46 | CO | 16.37 | 28.43 | 62 63 64 73 76 91 92 99 | 63 73 76 91 92 99 | 76 |
| | | VOC | 1.21 | 3.82 | | | |
| | | SO ₂ | 7.20 | 11.68 | | | |
| | | PM | 1.98 | 4.84 | | | |
| | | PM ₁₀ | 1.98 | 4.84 | | | |
| | | PM _{2.5} | 1.98 | 4.84 | | | |
| EH-50 | DHT Heater 50 | NO _x | 6.78 | 12.98 | 3 62 63 64 73 76 91 92 99 | 3 62 63 73 76 91 92 99 | 3 73 76 |
| | | CO | 10.39 | 10.10 | | | |
| | | VOC | 0.56 | 1.68 | | | |
| | | SO ₂ | 3.37 | 4.90 | | | |
| | | PM | 0.78 | 2.20 | | | |
| EH-57 | Coker Heater No. 57 | NO _x | 8.63 | 11.52 | 3 62 63 64 73 76 91 92 99 | 3 62 63 73 76 91 92 99 | 3 73 76 |
| | | CO | 20.11 | 18.25 | | | |
| | | VOC | 0.76 | 3.31 | | | |
| | | SO ₂ | 6.73 | 10.93 | | | |
| | | PM | 1.85 | 8.10 | | | |
| | | PM ₁₀ | 1.85 | 8.10 | | | |
| | | PM _{2.5} | 1.85 | 8.10 | | | |
| EH-58 | Coker Heater No. 58 | NO _x | 8.63 | 12.98 | 3 62 63 64 73 76 91 92 99 | 3 62 63 73 76 91 92 99 | 3 73 76 |
| | | CO | 20.11 | 18.62 | | | |
| | | VOC | 0.66 | 2.91 | | | |
| | | SO ₂ | 6.73 | 10.93 | | | |
| | | PM | 1.85 | 8.10 | | | |
| | | PM ₁₀ | 1.85 | 8.10 | | | |
| | | PM _{2.5} | 1.85 | 8.10 | | | |

| | | | | | | | |
|-------------------------------------------|---------------------------------------------------------------|-------------------|-------|-------|---------------------------------------------------|---------------------------------------------|---------------|
| EH-60 | Low Sulfur Gasoline Reboiler Heater | NOx | 4.34 | 9.36 | 3 62 63 64 73 76 91 92 99 | 3 62 63 73 76 91 92 99 | 3 73 76 |
| | | CO | 45.03 | 44.30 | | | |
| | | VOC | 0.67 | 2.52 | | | |
| | | SO ₂ | 3.39 | 4.73 | | | |
| | | PM | 0.92 | 3.49 | | | |
| | | PM ₁₀ | 0.92 | 3.49 | | | |
| | | PM _{2.5} | 0.92 | 3.49 | | | |
| | | H ₂ S | <0.01 | 0.03 | | | |
| EB-26 EB-27 EB-34 EH-57 EH-58 | Subcaps for Combustion Sources with SCR Units ⁽¹⁰⁾ | H ₂ S | 0.83 | 1.32 | 3 62 63 64 99 | 3 62 63 99 | 3 |
| | | NH ₃ | 12.81 | 53.29 | | | |
| CT-1 | Cooling Tower 1 ⁽⁵⁾ | VOC | 15.10 | 60.12 | 5 69 91 92 | 5 69 86 90 91 92 | 5 |
| | | PM | 36.15 | 79.17 | | | |
| CT-3 | Cooling Tower 3 ⁽⁵⁾ | VOC | 1.58 | 6.28 | 5 69 91 92 | 5 69 86 90 91 92 | 5 |
| | | PM | 2.77 | 6.07 | | | |
| CT-4 | Cooling Tower 4 ⁽⁵⁾ | VOC | 2.46 | 9.24 | 5 69 91 92 | 5 69 86 90 91 92 | 5 |
| | | PM | 4.95 | 10.85 | | | |
| CT-5 | Cooling Tower 5 ⁽⁵⁾ | VOC | 1.59 | 6.21 | 5 69 91 92 | 5 69 86 90 91 92 | 5 |
| | | PM | 3.53 | 7.73 | | | |

| | | | | | | | |
|------------------------------------------------------|---------------------------------|------------------|--------|--------|--------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------|
| CT-6 | Cooling Tower 6 ⁽⁵⁾ | VOC | 0.81 | 3.24 | 69 91 92 | 69 86 90 91 92 | |
| | | PM | 1.82 | 3.99 | | | |
| CT-8 | Cooling Tower 8 ⁽⁵⁾ | PM | 5.13 | 11.24 | 69 91 92 | 69 86 90 91 92 | |
| CT-9 | Cooling Tower 9 ⁽⁵⁾ | VOC | 0.60 | 2.20 | 5 69 91 92 | 5 69 86 90 91 92 | 5 |
| | | PM | 8.25 | 18.07 | | | |
| CT-10 | Cooling Tower 10 ⁽⁵⁾ | VOC | 3.45 | 3.44 | 5 69 91 92 | 5 69 86 90 91 92 | 5 |
| | | PM | 10.70 | 23.43 | | | |
| CT-1 CT-3 CT-4 CT-5 CT-6 CT-8 CT-9 | Cooling Towers ⁽⁵⁾ | H ₂ S | 0.25 | 1.00 | | 86 90 91 92 | |
| EG-001 | FCCU Regenerator Vent | NO _x | 236.41 | 84.90 | 3 5 44 45 46 47 73 74 76 91 92 99 | 3 5 44 45 46 47 73 74 76 86 90 91 92 99 | 3 5 45 73 74 |
| | | SO ₂ | 329.16 | 67.00 | | | |
| | | CO | 359.81 | 128.00 | | | |
| | | PM | 70.00 | 204.04 | | | |
| | | NH ₃ | 9.08 | 39.48 | | | |
| | | VOC | 18.70 | 50.08 | | | |
| | | HCN | 94.11 | 356.27 | | | |

| | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------|--------|--------------------------------------------------|--------------------------------------------------------------|-------------|
| EFL-01 EFL-02 EFL-03 EFL-04 EFL-05 | Flare No. 1 through Flare No. 5 Subcaps | NOx | 15.92 | 31.56 | 3 4 5 22 100 101 | 3 4 5 22 86 90 100 101 | 3 4 5 |
| | | CO | 115.08 | 228.25 | | | |
| | | VOC | 210.27 | 127.65 | | | |
| | | SO ₂ | 54.25 | 25.81 | | | |
| | | H ₂ S | 10.20 | 10.48 | | | |
| | | NH ₃ | 9.73 | 4.19 | | | |
| F-07 | Alkylation Unit Fugitives ⁽⁵⁾ | HF | 0.18 | 0.81 | 53 54 55 56 | 55 86 90 | |
| F-40 | Penex Isomerization Unit Fugitives ⁽⁵⁾ | CCl ₄ | 0.16 | 0.60 | | 86 90 | |
| F-01, F-02, F-07, F-10, F-11, F-15, F-17, F-27, F-28, F-29, F-31, F-33, F-35, F-36, F-40, F-41, F-45, F-47, F-52, F-57, F-61, F-62, F-48, F-49, F-50 and F-63 | Fugitives VOC Subcaps (5) | VOC | 123.07 | 538.82 | 3 5 23 24 25 68 91 92 93 | 3 5 23 24 25 68 86 90 91 92 93 | 3 5 |
| F-54, F-55, and F-56 | Fugitives PM Subcaps | PM | 0.79 | 0.98 | 80 85 | 81 83 84 86 90 | |
| FUGH ₂ S | Fugitives NH ₃ Subcap for EPNs F-01, F-02, F-07, F-10, F-11, F-15, F-17, F-27, F-29, F-31, F-33, F-35, F-36, F-40, F-41, F-45, F-47, F-52, F-57 and F-61 | H ₂ S | 2.45 | 10.31 | 41 43 | 43 | |

| | | | | | | | |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------|-------|----------------------------------|---------------------------------------------------------------------------------|----|
| FUGNH ₃ | Fugitives NH ₃ Subcap for EPNs F-01, F-02, F-07, F-10, F-11, F-15, F-17, F-27, F-28, F-29, F-31, F-33, F-35, F-36, F-40, F-41, F-45, F-47, F-52, F-57 and F-61 | NH ₃ | 0.44 | 1.61 | 27 | 27 | |
| EMVDU-01 | Marine Vapor Destruction Unit | VOC | 82.91 | 26.54 | 14 19 21 74 | 12 13 14 19 21 86 74 | 74 |
| | | NOx | 15.58 | 7.33 | | | |
| | | CO | 31.11 | 14.63 | | | |
| | | PM/PM10/P M2.5 | 0.84 | 0.40 | | | |
| EDOCK-20 | Marine Loading Dock | VOC | 237.22 | 77.55 | 14 15 16 16 75 76 | 5 11 12 13 14 15 16 17 18 19 86 90 91 92 | 5 |

| | | | | | | | |
|----------|---------------------|-----|--------|-------|----------------------------|---------------------------------------------------------------------------------|---|
| EDOCK-22 | Marine Loading Dock | VOC | 237.22 | 77.55 | 14 15 16 75 76 | 5 11 12 13 14 15 16 17 18 19 86 90 91 92 | 5 |
| EDOCK-16 | Marine Loading Dock | VOC | 237.22 | 77.55 | 14 15 16 75 76 | 5 11 12 13 14 15 16 17 18 19 86 90 91 92 | 5 |
| EDOCK-56 | Marine Loading Dock | VOC | 237.22 | 77.55 | 14 15 16 75 76 | 5 11 12 13 14 15 16 17 18 19 86 90 91 92 | 5 |
| EDOCK-57 | Marine Loading Dock | VOC | 237.22 | 77.55 | 14 15 16 75 76 | 5 11 12 13 14 15 16 17 18 19 86 90 91 92 | 5 |

| | | | | | | | |
|----------------------------------------------------------------------------------|-------------------------------------------------------|-------------------|---------|-------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| EMVDU-01, EDOCK-20, EDOCK-22, EDOCK-16, EDOCK-56, and EDOCK-57 | Subcaps for Docks 20, 22, 20B, 16, 56 and 57 | VOC | 1186.10 | 77.55 | 14 15 16 75 76 | 5 11 12 13 14 15 16 17 18 19 86 90 91 92 | 5 |
| COKERVENT | Coker Drum Steam Vent (14) | VOC | 57 | 31.21 | | 86 | |
| | | PM | 2.95 | 1.62 | | | |
| | | PM10 | 2.95 | 1.62 | | | |
| | | PM2.5 | 2.95 | 1.62 | | | |
| | | H2S | 5.43 | 2.97 | | | |
| | | Benzene (12) | 0.10 | 0.05 | | | |
| EVC-50 | Scrubber for No. 2 and 3 Reformers | NOx | 0.01 | 0.01 | 5 59 73 91 92 | 5 59 73 86 90 91 92 | 5 73 |
| | | CO | 0.55 | 2.41 | | | |
| | | SO ₂ | 0.01 | 0.01 | | | |
| | | Cl ₂ | 0.30 | 1.32 | | | |
| | | HCl | 0.11 | 0.49 | | | |
| | | PM | 0.11 | 0.48 | | | |
| | | NH ₃ | 0.30 | 1.32 | | | |
| | | VOC | 0.02 | 0.08 | | | |
| EG-193 | SRU/TGI No. 2 Vent | NOx | 3.88 | - | 3 4 5 28 29 30 31 32 37 38 40 50 73 76 89 92 91 92 | 3 4 5 28 29 30 31 32 37 39 40 41 47 40 42 73 76 86 | 3 4 5 28 33 35 36 73 76 |
| | | SO ₂ | 47.28 | - | | | |
| | | CO | 16.40 | - | | | |
| | | PM | 3.35 | - | | | |
| | | PM ₁₀ | 3.35 | - | | | |
| | | PM _{2.5} | 3.35 | - | | | |
| | | VOC | 0.26 | - | | | |

| | | | | | | | |
|--------------------------|-----------------------------------|-------------------|-------|--------|-----------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| | | H ₂ S | 0.34 | - | 99 100 | 90 91 92 99 100 | |
| EG-18-1403 | SRU/TGI No. 3 Vent | H ₂ S | 12.15 | - | 3 | 3 | 3 4 5 28 29 30 31 32 37 39 40 41 47 40 42 73 76 89 92 91 92 99 100 |
| | | SO ₂ | 98.44 | - | 4 | 4 | |
| | | CO | 42.91 | - | 5 | 5 | |
| | | PM | 4.14 | - | 28 | 28 | |
| | | PM ₁₀ | 4.14 | - | 29 | 29 | |
| | | PM _{2.5} | 4.14 | - | 30 | 30 | |
| | | VOC | 0.50 | - | 31 | 31 | |
| | | H ₂ S | 0.90 | - | 32 | 32 | |
| EG-193 and EG-18-1403 | SRU/TGI No. 2 and 3 Subcaps | NO _x | - | 42.88 | 37 | 37 | 3 4 5 28 29 30 31 32 37 39 40 41 47 40 42 73 76 89 92 91 92 99 100 |
| | | SO ₂ | - | 274.00 | 40 | 40 | |
| | | CO | - | 247.88 | 50 | 50 | |
| | | PM | - | 30.37 | 73 | 73 | |
| | | PM ₁₀ | - | 30.37 | 76 | 76 | |
| | | PM _{2.5} | - | 30.37 | 89 | 89 | |
| | | | | | | | |

| | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------|--------|--------|-----------------------------------------|-----------------------------------------------------|-------------|
| | | VOC | - | 2.99 | | | |
| | | H ₂ S | - | 5.20 | | | |
| 069, EG-193, 088, 094, 095,100, 101,15-1902, 15-1904, 16-1902, 16-1922, 303, 307, 316, 320, 321, 330, 335, 336, 337, 424, 436, 444, 445, 446, 451, 464, 477, 479, 481, 482, 486, 489, 490, 491, 499, 519, 520, 546, 558, 559, 561 | Storage Tanks Subcaps | VOC | 580.13 | 114.17 | 3 4 5 7 8 92 94 95 | 3 4 5 7 8 86 90 92 94 95 | 3 4 5 |
| | | NH ₃ | 0.07 | 0.28 | | | |
| 069, EG-193, 088, 094, 095,100, 101,15-1902, 15-1904, 16-1902, | Storage Tanks Subcaps (Post ULSK Project) | VOC | 563.93 | 86.77 | 3 4 5 7 8 | 3 4 5 7 8 86 90 | 3 4 5 |

| | | | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------|-------|--------|--------------------------------------------------|--------------------------------------------------------------------------|--------------|
| 16-1922, 303, 307, 316, 320, 321, 330, 335, 336, 337, 424, 436, 444, 445, 446, 451, 464, 477, 479, 481, 482, 486, 489, 490, 491, 499, 519, 520, 546, 558, 559, 561 | | | | | 92 94 95 | 92 94 95 | |
| | | NH ₃ | 0.07 | 0.28 | | | |
| WW-1 | Wastewater Treatment System | VOC | 86.66 | 125.93 | 3 4 70 71 91 92 | 3 4 70 86 90 91 92 | 3 4 70 |
| | | NH ₃ | 8.33 | 15.94 | | | |
| | | H ₂ S | 0.25 | 1.00 | | | |
| CT-7 | Wastewater Cooling Tower | VOC | 26.21 | 38.20 | 91 92 | 86 90 91 92 | |
| | | NH ₃ | 0.30 | 0.58 | | | |
| EG-193 | API Separator | VOC | 0.02 | 0.04 | 3 4 40 70 71 73 76 91 92 | 3 4 25 29 30 31 32 37 70 86 90 91 92 | 3 4 |
| | | NH ₃ | 0.01 | 0.01 | | | |
| | | H ₂ S | 0.01 | 0.01 | | | |
| EG-193A | SWS Flare | H ₂ S | 0.01 | 0.01 | 3 4 40 70 71 73 76 91 92 | 3 4 25 29 30 31 32 37 70 86 90 91 92 | 3 4 |
| | | NH ₃ | 0.01 | 0.01 | | | |

| | | | | | | | |
|-----|--------------|-----|-------|-------|-------------------|-------------------------|--------|
| 428 | Storage Tank | VOC | 4.95 | 7.75 | 3 5 7 92 | 3 5 7 90 92 | 3 5 |
| 478 | Storage Tank | VOC | 11.10 | 20.30 | 3 5 7 92 | 3 5 7 90 92 | 3 5 |
| 572 | Storage Tank | VOC | 7.45 | 1.18 | 3 5 7 92 | 3 5 7 90 92 | 3 5 |
| 563 | Storage Tank | VOC | 9.92 | 15.68 | 3 5 7 92 | 3 5 7 90 92 | 3 5 |
| 565 | Storage Tank | VOC | 4.26 | 8.17 | 3 5 7 92 | 3 5 7 90 92 | 3 5 |
| 568 | Storage Tank | VOC | 2.21 | 5.66 | 3 5 7 92 | 3 5 7 90 92 | 3 5 |

| | | | | | | | |
|-----|----------------------------------------|-----|--------|-------|-------------------|-------------------------|--------|
| 569 | Storage Tank | VOC | 2.51 | 3.15 | 3 5 7 92 | 3 5 7 90 92 | 3 5 |
| 577 | Storage Tank | VOC | 7.45 | 1.18 | 3 5 7 92 | 3 5 7 90 92 | 3 5 |
| 581 | Storage Tank | VOC | 0.96 | 1.91 | 3 5 7 92 | 3 5 7 90 92 | 3 5 |
| 582 | Storage Tank | VOC | 169.18 | 24.25 | 3 5 7 92 | 3 5 7 90 92 | 3 5 |
| 582 | Storage Tank (Post ULSK Project) | VOC | 97.34 | | 9 | 9 | |
| 583 | Storage Tank | VOC | 11.51 | 3.90 | 3 5 7 92 | 3 5 7 90 92 | 3 5 |
| 583 | Storage Tank (Post ULSK Project) | VOC | 81.12 | | 9 | 9 | |

| | | | | | | | |
|-----|--------------|-----|------|------|-------------------|-------------------------|--------|
| 594 | Storage Tank | VOC | 4.72 | 9.53 | 3 5 7 92 | 3 5 7 90 92 | 3 5 |
|-----|--------------|-----|------|------|-------------------|-------------------------|--------|

Notes:

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive emission source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code §101.1
- NO_x - total oxides of nitrogen
- CO - carbon monoxide
- SO₂ - sulfur dioxide
- PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}.
- PM₁₀ - particulate matter equal to or less than 10 microns in diameter.
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- Cl₂ - chlorine
- HF - hydrogen fluoride
- HCl - hydrogen chloride
- H₂S - hydrogen sulfide
- CCl₄ - carbon tetrachloride
- NH₃ - ammonia
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (6) The emission caps have been carried forward from the flexible permit and include annual MSS emissions. The hourly emission caps do not include MSS emissions.
- (7) Compliance with the emissions caps in tons per year (TPY) on a rolling 12-month period basis.
- (8) Effective January 1, 2012, compliance with the emissions caps in TPY will be on a calendar basis until January 1, 2013 and thereafter on a rolling 12-month period basis.
- (9) The hourly emission caps are independent and are not included in the emission caps listed above. The annual emission rates are subcaps and are included in the emission caps listed above.
- (10) Ammonia emissions are associated with SCR units operated on the following combustion sources: Boiler No. 26, Boiler No. 27, Boiler No. 34, Coker Heater No. 57, and Coker Heater No. 58.
- (11) Emissions are not included in MSS cap.
- (12) Benzene emissions are a subcap of authorized VOC emissions.
- (13) Emissions are a subcap of VOC Subcap authorized for Marine Loading EPN "EMVDU-01, EDOCK-20B, EDOCK-22,

EDOCK-16, EDOCK-56, and EDOCK-57”

(14) Emissions are not included in the site wide cap.

(15) Emissions become effective upon startup and operation of the ULSK project as described in the PI-1 dated June 23, 2014.

(16) Annual emissions are authorized under the Storage Tank VOC Subcap.

Date: February 19, 2015



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
AIR QUALITY PERMIT



A Permit Is Hereby Issued To
Valero Refining-Texas, L.P.
Authorizing the Construction and Operation of
Valero Refining Texas City Refinery
Located at **Texas City, Galveston County, Texas**
Latitude 29° 23' 50" Longitude -94° 54' 9"

Permit: 39142/PSDTX822M2

Amendment Date : February 19, 2015

Expiration Date: February 7, 2021

For the Commission

- 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 116.116 (30 TAC 116.116)]
- 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(a), (b) and (c)]
- 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)]
- 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)(iii)]
- 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; comply with any additional recordkeeping requirements specified in special conditions attached to the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC 116.115(b)(2)(E)]
8. **Maximum Allowable Emission Rates.** The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC 116.115(b)(2)(F)]
9. **Maintenance of Emission Control.** The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification for upsets and maintenance in accordance with 30 TAC 101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC 116.115(b)(2)(G)]
10. **Compliance with Rules.** Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules, regulations, and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC 116.115(b)(2)(H)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC 116.110(e)]
12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC 116.115(c)]
13. **Emissions** from this facility must not cause or contribute to a condition of "air pollution" as defined in Texas Health and Safety Code (THSC) 382.003(3) or violate THSC 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Emission Caps and Individual Limitations

1. This permit covers only the emission sources, associated equipment, and emission caps listed in the attached table, entitled “Emission Sources - Emission Caps and Individual Emission Limitations,” and those sources are subject to the emission rate limits on that table and other operating requirements specified in the special conditions.
2. Unless otherwise specified, non-fugitive emissions from relief valves, safety valves, or rupture discs of gases containing volatile organic compounds (VOC) at a concentration of greater than 1 weight percent are not authorized by this permit unless authorized on the MAERT. Any releases directly to atmosphere from relief valves, safety valves, or rupture discs of gases containing VOC at a concentration greater than 1 weight percent are not consistent with good practice for minimizing emissions. **(12/14)**

Federal Applicability

3. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on standards of performance for new stationary sources in Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60) promulgated for:
 - A. General Provisions, Subpart A;
 - B. Industrial-Commercial-Institutional Steam Generating Units, Subpart Db;
 - C. Petroleum Refineries, Subparts J and Ja;
 - D. Storage Vessels for Petroleum Liquids, Subparts K and Ka;
 - E. Volatile Organic Liquid Storage Vessels, Subpart Kb;
 - F. Equipment Leaks of Volatile Organic Compounds (VOC) in the Synthetic Organic Chemicals Manufacturing Industry (SOCMI), Subpart VV;
 - G. Equipment Leaks of VOC in Petroleum Refineries, Subpart GGG;
 - H. The VOC Emissions from SOCMI Distillation Operations, Subpart NNN; and
 - I. The VOC Emissions from Petroleum Wastewater Systems, Subpart QQQ.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 2

4. These facilities shall comply with all applicable requirements of the EPA regulations on National Emission Standards for Hazardous Air Pollutants (NESHAPS) in 40 CFR Part 61 promulgated for:
 - A. General Provisions, Subpart A; and
 - B. Benzene Waste Operations, Subpart FF.
5. These Facilities shall comply with all applicable requirements of the EPA regulations on NESHAPS in 40 CFR Part 63 promulgated for:
 - A. General Provisions, Subpart A;
 - B. Petroleum Refineries, Subpart CC;
 - C. Marine Tank Vessel Loading Operations, Subpart Y;
 - D. Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units, Subpart UUU;
 - E. Site Remediation, Subpart GGGGG.
6. If any condition of this permit is more stringent than the applicable regulations in Special Condition Nos. 3, 4 and 5 then for the purposes of complying with this permit, the permit shall govern and be the standard by which compliance shall be demonstrated. **(12/14)**

Storage Tanks

7.
 - A. The control requirements specified in Paragraphs B through E of this condition shall not apply (1) where the VOC has an aggregate partial pressure of less than 0.5 pound per square inch, absolute (psia) at the maximum expected operating temperature or (2) to storage tanks smaller than 25,000 gallons.
 - B. An internal floating deck or roof or equivalent control shall be installed in all tanks. The floating Roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof: (1) a liquid-mounted seal, (2) two continuous seals mounted one above the other, or (3) a mechanical shoe seal. Installation of equivalent control requires prior review and approval by the TCEQ Executive Director.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 3

- C. An open-top tank containing a floating roof (external floating roof tank) which uses double seal or secondary seal technology shall be an approved control alternative to an internal floating roof tank provided the primary seal consists of either a mechanical shoe seal or a liquid-mounted seal and the secondary seal is rim-mounted. A weather-shield is not approvable as a secondary seal unless specifically reviewed and determined to be vapor-tight.
- D. For any tank equipped with a floating roof, the holder of this permit shall follow 40 CFR § 60.113b, testing and procedures, to verify seal integrity. Additionally, the permit holder shall follow 40 CFR § 60.115b, Reporting and Recordkeeping Requirements, to provide records of the dates seals were inspected, seal integrity, and corrective actions taken.
- E. The floating roof design shall incorporate sufficient flotation to conform to the requirements of American Petroleum Institute (API) Code 650 or an equivalent degree of flotation, except that an internal floating cover need not be designed to meet rainfall support requirements and the materials of construction may be steel or other materials.
- F. Uninsulated tank exterior surfaces exposed to the sun shall be white, aluminum, or an equivalent light color, except where a dark color is necessary to help the tank absorb or retain heat in order to maintain the material in the tank in a liquid state.
- G. For purposes of assuring compliance with VOC emission limitations, the holder of this permit shall maintain a monthly emissions record which describes calculated emissions of VOC from all storage tanks. The record shall include tank identification number, control method used, tank capacity in gallons or barrels (bbl), 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, 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 which receive liquids that are at or below ambient temperatures. These records shall be maintained at the plant site for at least two years and be made available to representatives of the TCEQ upon request. For compliance demonstration purposes, the holder of this permit may use the meteorological data contained in AP-42, dated March 1998 or later version.
- H. For the purposes of this permit, emissions for tanks shall be calculated using:
(A) AP-42 "Compilation of Air Pollution Emission Factors, Chapter 7 - Storage of Organic Liquids" Dated March 1998 and (B) the TCEQ publication titled

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 4

“Technical Guidance Package for Chemical Sources - Storage Tanks” dated February 1995.

- J. Floating Roof Tanks 78, 89, 90, 91, 92, 95, 96, 477, and 478 shall be equipped with a Pole Sleeve System or equivalent by April 13, 2010 as required by the Storage Tank Emission Reduction Partnership Program (STERPP) Agreement with U.S. the EPA. Storage Tanks 89, 90, and 91 were owned by the Valero Texas City Refinery at the time of STERPP Agreement execution and are currently owned by NuStar Energy LP. Per Appendix 1 of the May 23, 2001 STERPP Agreement, the following are acceptable controls for slotted guide poles:
1. Pole Float System: Each opening through the deck of the floating roof or a slotted guide pole shall be equipped with a deck cover, a pole wiper and a pole float. The deck cover shall also be equipped with a gasket between the cover and deck. The wiper or seal of the pole float shall be at or above the height of the pole wiper.
 2. Alternate Control Technologies and Combinations: The following will inform EPA's determination of whether an alternate control technology is acceptable for use under the Storage Tank Emissions Reduction Partnership Program. An alternate control technology must be shown to have an emission factor less than or equal to the emission factor of the above identified control system. Tests to determine emission factors for an alternate control technology shall accurately simulate conditions representative of the conditions under which the technology will/would operate (e.g., wind, temperature and barometric pressure). Such tests may utilize the methods listed in American Petroleum Institute (API) Manual of Petroleum Measurement Standards, Chapter 19, Section 3, Part A (Wind Tunnel Test Method for the Measurement of Deck-Fitting Loss Factors for External Floating-Roof Tanks) or Part E (Weight Loss Test Method for the Measurement of Deck-Fitting Loss Factors for Internal Floating-Roof Tanks). A combination of technologies and devices to control emissions from slotted guide poles and deck fittings may be acceptable under the Storage Tank Emissions Reduction Partnership Program if such alternate emits no more than the above-identified control system plus the same combination of deck fittings (equipped as required under NSPS Subpart Kb), as determined using AP-42. The emissions from an alternate combination of control technologies and devices shall be determined using AP-42 and/or as specified above.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 5

3. **Pole Sleeve System:** Each opening through the deck of the floating roof for a slotted guide pole shall be equipped with a deck cover, a pole wiper and a pole sleeve. The deck cover shall be equipped with a gasket between the cover and the deck. The sleeve extends into the stored liquid.
4. **Internal Sleeve Emission Control System:** An internal guide pole sleeve that eliminates the hydrocarbon vapor emission pathway from inside the tank through the guide pole slots to the outside air; a guide pole cover at the top of the guide pole; and a well cover positioned at the top of the guide pole well that seals any openings between the well cover and the guide pole (e.g., pole wiper), and openings between the well cover and any other objects that pass through the well cover, and any other openings in the top of the guide pole well.
5. **Solid Guidepole System:** A solid guide pole; a guide pole cover at the top of the guide pole; and a well cover positioned at the top of the guide pole well that seals any openings between the well cover and the guide pole (e.g., pole wiper), any openings between the well cover and any other objects that pass through the well cover, and any other openings in the top of the guide pole well.
6. **Flexible Enclosure System:** A flexible device that completely encloses the slotted guide pole and eliminates the hydrocarbon vapor emission pathway from inside the tank through the guide pole slots to a well cover positioned at the top of the guide pole well that seals any openings between the well cover and the guide pole (e.g., pole wiper), any openings between the well cover and any other objects that pass through the well cover, and any other openings in the top of the guide pole well.
7. **Covers on External Floating Roof Tanks:** The external floating roof tank shall be (or have been) modified by installing a fixed roof mounted on the tank above its external floating roof. Each opening through the deck for a slotted guide pole shall have its lower edge below the surface of the stored liquid.
8. **Removal of Tank from Service and Surrender of Permits:** Remove the tank for service storing liquids subject to NSPS Ka or Kb controls, surrender any and all operating permits for that tank to the appropriate state/local regulatory authority and represent to such authority that it will not be used to store petroleum liquids, as defined in 40 CFR § 60.111a(b) that have a maximum true vapor pressure in the range

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 6

defined in 40 CFR § 60.112a(a), or volatile organic liquids, as defined in 40 CFR § 60.111b(k), that have a maximum true vapor pressure in the range defined in 40 CFR § 60.112b(a).

K. Operating and Maintenance Requirements for Slotted Guidepole Controls Under the Storage Tank Emissions Reduction Partnership Program (STERPP)

The sliding cover shall be in place over the slotted-guide pole opening through the floating roof at all times except when the sliding cover must be removed for access. If the control technology used includes a guide pole float, the float shall be floating within the guide pole at all times except when it must be removed for access to the stored liquid or when the tank is empty. Visually inspect the deck fitting for the slotted guide pole at least once every 10 years and each time the vessel is emptied and degassed. If the slotted guide pole deck fitting or control devices have defects, or if a gap of more than 0.32 centimeter (1/8 inch) exists between any gasket required for control of the slotted guide pole deck fitting and any surface that it is intended to seal, such items shall be repaired before filling or refilling the storage vessel with regulated material. Tanks taken out of hydrocarbon service, for any reason, do not have to have any controls in place during the time they are out of service.

8. Fixed-roof storage tanks with a volume greater than or equal to 25,000 gallons and storing a compound with a vapor pressure greater than or equal to 0.5 psia or greater shall be routed to a thermal incinerator. These tanks are identified as 70, 15-1904, 16-1902, 16-1922 and 335.

The VOC emissions resulting from vacuum truck loading of sludge from Tank 70 (for transfer of sludge to Tank T-546) shall be controlled with either a carbon adsorber (Canister) system or the Tail Gas Incinerator (EG-193). For a carbon adsorber system, breakthrough shall be defined as an exit concentration of 100 parts per million by volume (ppmv) or higher at the exit of the first canister. The carbon canister shall be sampled for breakthrough at least once per week, and the sample shall be collected during filling operations of the truck (to establish a breakthrough frequency). Weekly sampling shall be conducted for the first 60 days of operation. Should the sampling indicate a breakthrough frequency of greater than 30 days, the holder of this permit may reduce the sampling frequency to once per month. If the sampling date indicates that breakthrough is less than 30 days, then the holder of this permit shall sample at a frequency which is less than the demonstrated breakthrough frequency.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 7

Method of VOC sampling shall be by flame ionization detector (FID), or a TCEQ-approved equivalent. On each day that sampling is conducted, the FID shall be calibrated prior to sampling with a certified gas mixture at zero ppmv plus/minus 10 Percent, and at 100 ppmv plus/minus 10 percent. A new canister shall be installed once breakthrough is detected, before loading operations can continue.

For measuring benzene breakthrough on Carbon Adsorption Systems in Special Condition No. 100, a portable gas chromatograph using a flame ionization detector or photo ionization detector may be used. Alternatively a photo-ionization detector equipped with a benzene separation tube consistent with manufacturer requirements may be used. The monitor shall have the sensitivity and specificity to quantify low level benzene concentrations. The monitor device shall be calibrated within 24 hours of use with a certified calibration gas containing ~5 ppm benzene. Records of the calibration date/time and calibration result shall be maintained.

The holder of this permit shall submit notification of monthly sampling (or the frequency if less than 30 days as demonstrated through sampling results) to the TCEQ Houston Regional Office, TCEQ Air Permits Division in Austin, and any local program having jurisdiction. This notification shall contain all sampling results to support the proposed sampling frequency.

Records of all sampling results, both during the establishment of a breakthrough concentration frequency and after the breakthrough frequency is established, shall be maintained on-site and made available to representatives of the TCEQ or local program upon request. **(1/13)**

9. Upon start-up of the Ultra-Low Sulfur Kerosene (USLK) project as determined by the initial production of USLK from the Middle Distillate Hydrotreater (MDHT) large train, the following additional requirements shall apply to fixed roof storage tank EPNs 582 and 583. **(02/15)**
 - A. Tanks are authorized to store Distillate only
 - B. The maximum fill rate for fixed roof storage tank EPN 583 shall not exceed 210,000 gallons/hour.
 - C. The maximum fill rate for fixed roof tank EPN 582 shall not exceed 252,000 gallons per hour.
10. Pressure tanks shall either be maintained such that there are no emissions of VOC to the atmosphere during normal operating conditions (including filling

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 8

operations) or shall be routed to a flare (along with Pressure Tanks T-322 and T-327).

Loading

- 11. This permit authorizes the loading of the following liquids with true vapor pressures less than 0.5 pounds per square inch, absolute (psia) into ships and barges. **(12/14)**

| | |
|---------------------------|----------------------|
| Atmospheric Tower Bottoms | Light Cycle Oil |
| Caustic | No. 6 Oil |
| Cut Pitch | Slurry |
| Cutter Stock | Vacuum Gas Oil |
| Deasphalted Oil | Vacuum Tower Bottoms |
| Diesel | MDEA |
| Gas oil | Residual Oil |
| Kerosene | |

- 12. This permit authorizes loading of the following liquids with true vapor pressures greater than or equal to 0.5 (psia) and no greater than 12.0 psia into ships and barges from loading docks EDOCK-20 and EDOCK-22. **(12/14)**

| | |
|-----------|-----------|
| Alkylate | Naphtha |
| Crude Oil | Reformate |
| Gasoline | Isomerate |
| Raffinate | Slop Oil |

- 13. A. Marine loading of liquids having a vapor pressure greater than or equal to 0.5 psia shall not exceed a combined loading rate of 12,000 bbl/hr.
- B. Marine loading of liquids having a vapor pressure less than 0.5 psia shall not exceed a loading rate of 14,400 bbl/hr per dock.
- C. All loading shall be bottom filled or submerged.
- D. The loading of ships with liquids having a vapor pressure greater than or equal to 0.5 psia is limited to 11,324,171 barrels per year based on a 12 month rolling average. **(12/14)**
- E. Upon start-up of the USLK project as determined by the initial production of ULSK from the MDHT large train, marine loading of Ultra-Low Sulfur Diesel and Ultra-low Sulfur Kerosene shall not exceed an annual limit of 27,375,000

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 9

barrels per year. Records shall be kept on a calendar year basis and updated monthly. **(02/15)**

14. All marine loading operations of liquids with vapor pressures greater than or equal to 0.5 psia must be routed to the Marine Vapor Destruction unit (EPN EMVDU-01). Loading shall not begin until the stack temperature of the Marine Vapor Destruction Unit has reached a set point of at least 1400°F or the temperature established during the most recent stack test. **(12/14)**
15. All lines and connectors shall be visually inspected for any defects prior to hookup. Lines and connectors that are visibly damaged shall be removed from service. Operations shall cease immediately upon detection of any liquid leaking from the lines or connections. **(12/14)**

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. Sustained dripping from fittings during loading and unloading operations is not permitted. Proper Title 30 Texas Administrative Code Chapter 101 (30 TAC § 101) procedures will be followed for any liquid spill (greater than 1,000 pounds [lbs] of any compound listed in 30 TAC § 101.1 under “reportable quantity” [A][i][III] or 100 lbs of any other compound) that occurs during loading and unloading activities, and the spill shall be cleaned up immediately to minimize air emissions

16. Before loading a marine vessel with a VOC which has a vapor pressure equal to or greater than 0.5 pounds per square inch absolute under actual storage conditions, the owner or operator of the marine terminal shall verify that the marine vessel has passed an annual vapor tightness test as specified in 40 CFR §63.565(c) (September 19, 1995) or 40 CFR §61.304(f) (October 17, 2000).
17. The permit holder shall maintain and update a monthly emissions record which includes calculated emissions of VOC from all loading operations over the previous rolling 12 month period. The record shall include the loading spot, control method used, quantity loaded in gallons, name of the liquid loaded, vapor molecular weight, liquid temperature in degrees Fahrenheit, liquid vapor pressure at the liquid temperature in psia, liquid throughput for the previous month and rolling 12 months to date. Emissions shall be calculated using AP-42, Fifth Edition (June 2008), Equation 1 (section 5.2.2.1.1, Loading Losses) and current TCEQ guidelines for calculating loading emissions **(12/14)**
18. In addition to the records required in Special Condition 17, the holder of this permit shall maintain specific short-term pumping rate (fill rate) records, in

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 10

bbl/hr, for all simultaneous loading events (the loading of material requiring vapor control at more than one dock). A reminder of this requirement shall be included in the operator manual.

19. The following requirements apply to barge loading of liquids having a vapor pressure greater than or equal to 0.5 psia. **(12/14)**
 - A. All vapors associated with negative pressure loading of barges as allowed under USCG regulations with products having a true vapor pressure greater than or equal to 0.5 psia shall be routed through a vacuum-assisted collection system to the Marine Vapor Destruction Unit (EPN EMVDU-01) as specified below.
 1. Barges shall not be loaded unless the vapor collection system is properly connected and the entire collection system is working as designed.
 2. The vacuum-assisted system shall be designed to provide a minimum vacuum of 1.0 inch of water while connected to barges being loaded.
 3. A pressure measurement device shall be installed as close as possible to the vessel's vapor return port to continuously monitor and record the vacuum while loading is taking place. The monitoring device shall be accurate to, and shall be calibrated at least annually in accordance with, the manufacturer's specifications. Vacuum data shall be monitored and recorded at least once every minute during the loading process.
 - B. Quality-assured (or valid) data must be generated when barge loading is occurring. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that barge loading is occurring over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded.
 - C. Compliance with the requirements of Special Condition 19 shall occur no later than 180 days from the date of the permit issued **(12/14)**.
20. The 30 TAC Chapter 106 Permits by Rule shall not be used to authorize additional the loading of ships with liquids having a vapor pressure greater than or equal to 0.5 psia in excess of those limits specified in Special Condition 13.A and 13.D. **(12/14)**

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 11

Combustion Controls

21. The following requirements apply to the Marine Vapor Destruction Unit (EPN EMVDU-01). **(12/14)**
 - A. The MDVU shall achieve at least a 98% control of the waste gas directed to it. This shall be ensured by maintaining the temperature in, or immediately downstream of, the combustion chamber above 1,400 prior to the initial stack test performed in accordance with Special Condition 74. Following the completion of that stack test, the six minute average temperature shall be maintained above the minimum one hour average temperature maintained during the last satisfactory stack test.
 - B. The temperature measurement device shall reduce the temperature readings to an averaging period of 6 minutes or less and record it at that frequency. The temperature monitor shall be installed, calibrated or have a calibration check performed at least annually, and maintained according to the manufacturer's specifications. The device shall have an accuracy of the greater of ± 2 percent of the temperature being measured expressed in degrees Celsius or $\pm 2.5^{\circ}\text{C}$.
 - C. Quality assured (or valid) data must be generated when the VCU is operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the VCU operated over the previous rolling 12 month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded.
 - D. The vapor combustor shall have a constant pilot flame during all times waste gas could be directed to it. The pilot flame shall be continuously monitored by a thermocouple or an infrared monitor while the vapor combustor is in operation. The time, date, and duration of any loss of pilot flame shall be recorded. Each monitoring device shall be accurate to, and shall be calibrated or have a calibration check performed at a frequency in accordance with, the manufacturer's specifications.
 - E. During normal operation, the vapor combustor shall be operated with no visible emissions except for periods not to exceed a total of five minutes during any two consecutive hours. This does not include periods of unit startup or upset conditions.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 12

- F. Fuel gas combusted in the MDVU shall be sweet natural gas containing no more than 5 grains of total sulfur per 100 dry standard cubic feet or plant fuel gas containing no more than 0.1 grains of H₂S per dry standard cubic feet.
22. Flares shall be designed and operated in accordance with the following requirements:
- A. The combined refinery fuel natural gas and waste stream to the flare shall meet the 40 CFR 60.18 specifications of minimum heating value and maximum tip velocity under normal, upset, and maintenance flow conditions. Compliance with this condition shall be demonstrated by monitoring required in Section D below. Flare testing per 40 CFR § 60.18(f) may be requested by the TCEQ Regional Office, in addition to New Source Performance Standard (NSPS) or federal requirements, to demonstrate compliance with this condition. Testing to confirm the heating value (Btu/scf) may be requested by the TCEQ Regional Office to demonstrate compliance with this condition.
 - B. The flare(s) shall be operated with a pilot flame present at all times and have a constant pilot flame or an automatic re-ignition system. The pilot flame shall be monitored by a thermocouple or an infrared monitor. If the pilot flame is extinguished, proper 30 TAC Chapter 101 procedures shall be followed for this incident.
 - C. The flare(s) shall be operated with no visible emissions except periods not to exceed a total of five minutes during any two consecutive hours. This shall be ensured by the use of steam assist to the flare (for steam-assisted flares). The permit holder shall ensure proper flare operation through monitoring by Section D below.
 - D. The holder of this permit shall install a continuous flow monitor that provides a record of the vent stream flow to the flare. The flow monitor sensor should be installed in the vent stream such that the total vent stream to the flare is measured. The average hourly values of the flow shall be recorded and maintained electronically. The holder of this permit shall provide the daily average flow rate (24-hour average) to each flare and the hourly average during upset conditions. Records of the flows shall be maintained for a period of two years and be made available to the Executive Director of the TCEQ upon request.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 13

In addition, the holder of this permit shall conduct an analysis (grab sample) of the flare composition (total VOC, benzene, hydrogen sulfide (H₂S), and Btu content) on a semiannual basis (once during the summer months and once during the winter months). The holder of this permit may submit a request to the TCEQ Regional Office in Houston to reduce the sampling frequency. The sampling shall be conducted such that the total vent stream to the flare is included in the analysis. Records of the grab sampling results shall be maintained for a period of five years and made available to representatives of the TCEQ upon request. **(PSD)**

Piping, Valves, Connectors, Pumps, and Compressors in VOC Service - 28VHP

23. This condition applies to the Hydrogen Fluoride (HF) Alkylation Unit, Propylene Purification Unit, and the Saturates Gas Plant. Except as may be provided for in the special conditions of this permit, the following requirements apply to the above-referenced equipment:
 - A. These conditions shall not apply (1) where the VOC has an aggregate partial pressure or vapor pressure of less than 0.044 psia at 68EF or (2) operating pressure is at least 5 kilopascals (0.725 pound per square inch [psi]) below ambient pressure. Equipment excluded from this condition shall be identified in a list to be made available upon request.
 - B. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable American National Standards Institute (ANSI), API, American Society of Mechanical Engineers (ASME), or equivalent codes.
 - C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical.
 - D. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak-checking during plant operation. Non-accessible valves, as defined by 30 TAC Chapter 115, shall be identified in a list to be made available upon request.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 14

- E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. No later than the next scheduled quarterly monitoring after initial installation or replacement, all new or reworked connections shall be gas-tested or hydraulically-tested at no less than normal operating pressure and adjustments made as necessary to obtain leak-free performance. Connectors shall be inspected by visual, audible, and/or olfactory means at least weekly by operating personnel walk-through.

Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve. Except during sampling, the second valve shall be closed.

- F. Accessible valves shall be monitored by leak-checking for fugitive emissions at least quarterly using an approved gas analyzer. Sealless/leakless valves (including, but not limited to, welded bonnet bellows and diaphragm valves) and relief valves equipped with a rupture disc upstream or venting to a control device are not required to be monitored. For valves equipped with rupture discs, a pressure-sensing device shall be installed between the relief valve and rupture disc to monitor disc integrity. All leaking discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

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

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

- G. Except as may be provided for in the special conditions of this permit, all pump and compressor seals shall be monitored with an approved gas analyzer at least quarterly or be equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. Seal systems designed and operated to prevent emissions or seals equipped with an automatic seal failure detection and alarm system need not be monitored. These seal systems may include (but are not limited to) dual pump seals with barrier fluid at higher pressure than process pressure, seals degassing to vent control systems kept in good working order, or seals equipped with an automatic seal failure detection and alarm system. Submerged pumps or sealless pumps (including, but not limited to, diaphragm, canned, or magnetic-driven pumps) may be used to satisfy the requirements of this condition and need not be monitored.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 15

- H. Damaged or leaking valves or connectors found to be emitting VOC in excess of 500 ppmv or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. Damaged or leaking pump and compressor seals found to be emitting VOC in excess of 2,000 ppmv or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired.
- I. Every reasonable effort shall be made to repair a leaking component, as specified in this paragraph, within 15 days after the leak is found. If the repair of a component would require a unit shutdown, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging. At the discretion of the TCEQ Executive Director or her designated representative, early unit shutdown or other appropriate action may be required based on the number and severity of tagged leaks awaiting shutdown.
- J. The results of the required fugitive instrument monitoring and maintenance program shall be made available to the TCEQ Executive Director or her designated representative upon request. Records shall indicate appropriate dates, test methods, instrument readings, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of physical inspections are not required unless a leak is detected.
- K. Alternative monitoring frequency schedules of 30 TAC §§ 115.352 through 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.

Compliance with the requirements of this condition does not assure compliance with requirements of 30 TAC Chapter 115, an applicable NSPS, or an applicable NESHAPS and does not constitute approval of alternative standards for these regulations.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 16

Piping, Valves, Connectors, Pumps, and Compressors in VOC Service - Intensive Directed Maintenance - 28MID

24. This condition applies to all units except the HF Alkylation Unit, Propylene Purification Unit, and the Saturates Gas Plant.

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

- A. These conditions shall not apply (1) where the VOC has an aggregate partial pressure or vapor pressure of less than 0.044 psia at 68EF 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 to be made available upon request.
- B. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable ANSI, API, ASME, or equivalent codes.
- C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical.
- D. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak-checking during plant operation. Non-accessible valves, as defined by 30 TAC Chapter 115, shall be identified in a list to be made available upon request.
- E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. No later than the next scheduled quarterly monitoring after initial installation or replacement, all new or reworked connections shall be gas-tested or hydraulically-tested at no less than normal operating pressure and adjustments made as necessary to obtain leak-free performance. Connectors shall be inspected by visual, audible, and/or olfactory means at least weekly by operating personnel walk-through.

Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve. Except during sampling, the second valve shall be closed.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 17

- F. Accessible valves shall be monitored by leak-checking for fugitive emissions at least quarterly using an approved gas analyzer with a directed maintenance program. Sealless/leakless valves (including, but not limited to, welded bonnet bellows and diaphragm valves) and relief valves equipped with a rupture disc upstream or venting to a control device are not required to be monitored. For valves equipped with rupture discs, a pressure-sensing device shall be installed between the relief valve and rupture disc to monitor disc integrity. All leaking discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

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

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.

- G. All new and replacement pumps, compressors, and agitators shall be equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. These seal systems need not be monitored and may include (but are not limited to) dual pump seals with barrier fluid at higher pressure than process pressure, seals degassing to vent control systems kept in good working order, or seals equipped with an automatic seal failure detection and alarm system. Submerged pumps or sealless pumps (including, but not limited to, diaphragm, canned, or magnetic-driven pumps) may be used to satisfy the requirements of this condition and need not be monitored.

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

- H. Damaged or leaking valves, connectors, compressor seals, and pump seals found to be emitting VOC in excess of 500 ppmv or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. Every reasonable effort shall be made to repair a leaking component, as specified in this paragraph, within 15 days after the leak is found. If the repair of a component would require a unit shutdown, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging. At the discretion of the TCEQ Executive Director or his designated representative, early unit shutdown or other appropriate

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 18

action may be required based on the number and severity of tagged leaks awaiting shutdown.

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

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

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

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

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

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.

- K. The results of the required fugitive instrument monitoring and maintenance program shall be made available to the TCEQ Executive Director or his designated representative upon request. Records shall indicate appropriate dates, test methods, instrument readings, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of physical inspections are not required unless a leak is detected.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 19

- L. Compliance with the requirements of this condition does not assure compliance with requirements of 30 TAC Chapter 115, an applicable NSPS, or an applicable NESHAPS, and does not constitute approval of alternative standards for these regulations.

28CNTQ Fugitive Monitoring Program

25. A. In addition to the weekly physical inspection required by Paragraph E of Special Conditions 23 and 24, all accessible connectors in gas vapor and light liquid service shall be monitored quarterly with an approved gas analyzer in accordance with paragraphs F through J of those conditions.

- B. In lieu of the monitoring frequency specified in Paragraph A, connectors may be monitored on a semiannual basis if the percent of connectors leaking for two consecutive quarterly monitoring periods is less than 0.5 percent.

Connectors may be monitored on an annual basis if the percent of connectors leaking for two consecutive semiannual monitoring periods is less than 0.5 percent.

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

- C. 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.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 20

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

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

26. For the purpose of Special Condition No. 25, connectors will be interpreted to only include flanges and not other connectors such as screwed connectors, unions and other fittings.

Piping, Valves, Pumps, and Compressors in anhydrous NH₃ Service

27. Piping, Valves, Pumps, and Compressors in anhydrous ammonia (NH₃) service are subject to the following requirements:
- A. Audio, olfactory, and visual checks for NH₃ leaks shall be made once per shift (once every 12 hours).
 - B. Immediately, but no later than one hour upon detection of a leak, plant personnel shall take one of the following actions:
 - 1. Isolate the leak,
 - 2. Commence repair or replacement of the leaking component, or
 - 3. Use a leak collection or containment system to prevent the leak until repair or replacement can be made if immediate repair is not possible.
 - C. Date and time of each inspection shall be noted in the operator's log or equivalent. Records shall be maintained at the plant site of all repairs and replacements made due to leaks. These records shall be made available to representatives of the TCEQ upon request. **(11/12)**

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 21

Sulfur Recovery/Amine Units

- 28. The Sulfur Recovery Units are subject to the applicable requirements in 40 CFR Part 60, Subparts A and J promulgated for Petroleum Refineries.
- 29. The maximum allowable concentration of SO₂ in the SRU TGI Nos. 2 and 3 (EG-193 and EG-18-1403) vent stacks shall not exceed the following limits as measured by the SO₂ continuous emission monitoring system (CEMS). All limits are on a dry basis at zero percent excess air. Unless otherwise specified, all limits are based on a 1 hour average. **(03/14)**

A. The following apply when using oxygen enrichment (COPE).

- 1. During oxygen enrichment (COPE) maximum allowable concentration of SO₂ in the SRU TGI Nos. 2 and 3 (EG-193 and EG-18-1403) vent stacks shall be determined using the following equation.

$$E_{LS} = (-0.038 \times [\%O_2]^2) + (11.53 \times \%O_2) + 25.6$$

Where:

E_{LS} = SO₂ concentration limit, ppmvd
%O₂ = Oxygen concentration in the SRU, percent by volume (dry basis) as recorded in condition 26.A(2).

- 2. Compliance with the maximum SO₂ stack concentration shall be determined by monitoring the flow of pure oxygen to the SRU during each hour of oxygen enrichment. The flow of oxygen shall be used to calculate the maximum SO₂ concentration for that hour using the equation identified in paragraph A.1 of this condition. The maximum concentration calculated shall then be compared to the average SO₂ stack concentration as measured by the CEMS for the same one hour period. Records shall include the start time for oxygen enrichment, the hourly flow of pure oxygen to the SRU, the calculated hourly SO₂ concentration limit and, all calculations used to determine the limit.
- 3. At no time shall the maximum vent stack SO₂ concentration exceed the following limits.

| EPN | SO ₂ Limit (ppmvd) |
|------------|-------------------------------|
| EG-193 | 535 |
| EG-18-1403 | 444 |

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 22

- B. 280 ppmvd during air only operations.
 - C. 250 ppmvd based on an annual average.
30. The minimum sulfur recovery efficiency for the permitted Sulfur Recovery Units EPNs EG-18-1403 and EG-193 shall be at least 99.8 percent for oxygen enrichment (COPE) and air only based operations. The sulfur recovery efficiency shall be determined by calculation as follows:

$$\text{Efficiency} = \frac{(\text{S recovered}) * (100)}{(\text{S acid gas})}$$

Where:

Efficiency = sulfur recovery efficiency, percent

S recovered = (S acid gas - S stack, or S produced), long tons per day (LTPD)

S acid gas = (S recovered plus S stack), LTPD

S stack = sulfur in incinerator stack, LTPD

The average sulfur emission reduction efficiency (sulfur recovery efficiency) shall be demonstrated for each 24-hour period by a mass balance calculation using data obtained from the incinerator stack sulfur dioxide (SO₂) monitor, sulfur production records, stack mass flow rate, and other process flow data. Records and copies of the compliance calculations shall be maintained on-site for a period of two years and made immediately available to TCEQ personnel upon request. The sulfur recovery efficiency of this condition is not applicable during startup, shutdown, or upset conditions if proper procedures of 30 TAC Chapter 101 are followed. **(PSD)**

31. If the total sulfur recovered from the combined SRU Trains (SRU1, SRU2, and SRU3) should exceed 830 LTPD, the holder of this permit shall document and maintain records of the redundancy or "excess capacity" available in the SRU complex (SRUs 1, 2, and 3) for periods of operation exceeding 830 LTPD. At no time during normal operation shall the excess capacity be less than 75 percent redundancy (to help should an SRU go off-line, etc.). For periods of operation above 830 LTPD, the holder of this permit shall demonstrate the availability of the redundancy or excess capacity. Records for periods of operation above 830 LTPD and the redundancy available shall be maintained for a period of two years and made available to representatives of the TCEQ upon request. **(PSD)(03/14)**

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 23

32. SRU thermal reactors that receive ammonia (NH_3) acid gas from the sour water stripper overheads shall at all times be operated with a stable flame, and the SRUs shall operate with a flame temperature within recommended design specifications, but shall operate at no less than 2000°F . The South Plant SRU (Unit No. 3), if it continues to handle NH_3 acid gas from the sour water stripper overheads, shall be upgraded to a minimum thermal reactor temperature of 2000°F . In addition SRU No. 3 shall also be upgraded to COPE Phase II technology and Comprimo Burner System prior to start-up of the Low Sulfur Gas unit.
(Completed) (PSD)

The SRU Thermal Reactor flame temperature 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 Celsius or $\pm 2.5^\circ\text{C}$. **(04/14)**

Quality assured (or valid) data must be generated when the SRU Thermal Reactor 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 reactor 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 redundant monitoring equipment, may be required by the TCEQ regional management.
(04/14)

33. All acid gas streams from the amine regeneration units, and sour water stripper overheads, containing H_2S shall be routed to the SRUs or other process units under normal operating conditions. Only under emergency conditions shall the vent streams be sent to the flare, and such flaring events are not authorized by this permit and shall be handled and reported according to the requirements of 30 TAC Chapter 101. It is not permissible under any conditions to vent acid gases directly to the atmosphere. Any other exception to this condition requires prior review and approval by the TCEQ Executive Director, and such exceptions may be subject to strict monitoring requirements. **(PSD)**

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 24

34. Emissions from the sulfur pits, sulfur storage, and sulfur loading operations shall be collected by a vapor collection system and routed either back to the SRU thermal reactor or to the SRU Tail Gas Incinerator (TGI). The flare may be used on an emergency basis only. **(PSD)**

35. Sour Water Stripper Retention

If acid gas flaring can be traced to hydrocarbon carryover from the existing sour water system, as determined by a third party consultant performing a Root Cause Failure Analysis, the refinery will be required to upgrade its sour water stripper system feeding the SRU's to have a minimum on-line retention and separation (hold up) time of three days based on maximum expected feed rates to the sour water strippers or propose an alternative other than increased sour water retention time.

At such time and within 60 days after completion of a RCFA, the holder of this permit shall submit design information and proposed implementation schedule to the TCEQ Office of Air for three days of sour water retention and hold up time based on maximum expected feed rates to the sour water strippers and design information and implementation schedule of a proposed alternative other than increased sour water retention time.

Detailed design information for the sour water handling system (including hydrocarbon skimming operations, hydrocarbon/sour water interface detection, etc.) shall be submitted to the TCEQ for review and approval prior to starting construction or modification of the existing equipment. **(PSD)**

The new sour water associated with the Coker Unit shall have a retention time of more than three days, and shall handle sour water generated from the delayed coker and gas plant. The vapor space of the stripper tank shall be routed to SRU TGI (G-18-1403) operating with a 99.9 percent H₂S and NH₃ destruction efficiency. **(Completed)**

36. If acid gas flaring can be traced to hydrocarbon carryover from the existing rich amine system, as determined by a third party consultant performing a Root Cause Failure Analysis (RCFA), the refinery will be required to upgrade its rich amine flash drums to meet 30 minutes of retention time at maximum rich amine flash drum feed rates or propose an alternative other than increased rich amine flash drum retention time.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 25

At such time and within 60 days after completion of a RCFA, the holder of this permit shall submit design information and proposed implementation schedule to the TCEQ Office of Air for 30 minutes rich amine flash drums retention time at the maximum rich amine flash drum feed rates and design information and implementation schedule of a proposed alternative other than increased rich amine flash drum retention time.

37. A. The minimum firebox chamber temperatures in the SRU TGIs shall not go below 1200°F during normal operating conditions. If stack testing in the TGI exhaust indicates that a higher temperature is necessary to obtain a minimum H₂S and VOC destruction efficiency of 99.9 percent, then the temperature obtained during the stack test will become the new minimum incinerator firebox chamber temperature. The firebox temperature of each TGI shall be continuously monitored and recorded. **(PSD)**
- B. The TGI minimum exhaust oxygen concentration shall be maintained not less than 3 percent or that established during the most recent satisfactory stack test while waste gas is being fed into it. **(03/14)**
- C. The TGI firebox exit 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 Celsius or ±2.5°C. **(03/14)**
- D. The tailgas incinerator 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. **(03/14)**
- E. Quality assured (or valid) data must be generated when the tail gas incinerator 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

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 26

(in minutes) that the tailgas incinerator operated over the previous rolling 12 month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded. **(03/14)**

- F. The flow monitor for the SRU TGI No. 2 Vent (EPN EG-193) shall be installed either when SRU 3 is taken out of service to install any of the modifications authorized for SRU3 in the amendment, PI-1, dated March 13, 2013 or within 18 months of the permit issued dated March 18, 2014 whichever is sooner. Compliance with Special Condition 37.D shall become effective subsequent to installation of the flow meter and startup of the SRU. **(03/14)**

38. The SRU TGIs shall operate with no visible emissions except for uncombined steam. **(PSD)**

39. Contingency Plan for the SRU

Should there be loss of sulfur recovery potential from the Claus Trains, Tail Gas Treating Units (TGTUs), or TGIs, one and/or all of the following steps shall be taken immediately (not to exceed two hours) from the start of the event:

- A. Reroute the maximum amount of acid gas to the operating SRUs or equipment (such as the remaining Sulfur Recovery Trains, TGTU, and TGI). This action can include increasing the oxygen (O₂) injection rate to add SRU capacity.
- B. Reroute any remaining acid gas to the TGIs. If the TGIs are not operable, the acid gas should be routed to the emergency flares.
- C. Shut down the sour water strippers and accumulate sour water in tankage for future processing.
- D. Reduce production, reduce charge rates at upstream units, and switch to lower-sulfur purchased gas oils and crude oils as necessary to reduce the amine loading and cease acid gas flaring within eight hours of the event. This action may include shutting down one and/or all units which supply acid gas to the SRU complex. **(PSD)**

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 27

40. For SRUs that handle NH_3 acid gas from sour water stripper overheads, the holder of this permit may do either of the following:
- A. The acid gas exiting the waste heat boilers shall be sampled for NH_3 on a monthly basis (after six months, the holder of this permit may request, in a permit alteration, that the frequency be reduced to quarterly). Should the NH_3 concentration exceed 300 ppmv, the holder of this permit shall commence procedures to change operations and/or charge rates to the SRU such that the NH_3 feed to the SRU complex is either reduced or the NH_3 routed to the SRU is adequately destroyed (i.e., the sampled NH_3 concentration drops below 300 ppmv). Draeger tubes or another sampling method, as approved by the TCEQ, shall be used to sample for NH_3 . A copy of the sampling data will be required in order to revise the sampling frequency.
 - B. The holder of this permit shall inspect the sulfur condenser outlets (each sulfur condenser) on each SRU for the presence of NH_3 salt formation or buildup. The inspections shall be conducted on an annual basis, and the TCEQ Houston Regional Office shall be informed prior to conducting the inspection (and given the opportunity to observe the sulfur condenser inspection). If NH_3 salts are present, the holder of this permit shall implement a monthly NH_3 sampling frequency as described in Part A above and the TCEQ Regional Office shall be notified within 30 days.

Records of sampling/inspection time, date, and sampling/inspection results shall be maintained for a period of two years and made available to representatives of the TCEQ upon request. The sampling results shall be presented in terms of ppmv. **(PSD)**

41. Ambient H_2S monitors shall be placed through the sulfur recovery, amine regeneration, and sour water stripper areas. These monitors shall be located in the South Plant SRU/TGTU area, the GOHT SRU/TGTU areas, and the GOHT complex surrounding the SRU/TGTU area. These monitors shall be arranged in such a way that coverage is provided for all wind directions. The monitors shall be set to alarm at 10 parts per million (ppm) and shall alarm in the control room. **(PSD)**
42. Records shall be maintained for all SRU, TGTU, and TGI downtime. These records shall include the date and duration of downtime, amount of bypassed acid gas flared, the cause of the downtime, and corrective action taken. These records shall be maintained on-site for a period of two years and made available to representatives of the TCEQ upon request. **(PSD)**

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 28

43. **Audio, Visual, and Olfactory (AVO) Inspection**

This condition applies to the SRU, SWS, Amine Contactor and Regenerator, and hydrotreater areas handling H₂S and SO₂ containing streams.

Piping, Valves, Pumps, and Compressors in H₂S and SO₂ Service

- A. The AVO checks for H₂S and SO₂ leaks within the operating area shall be made once per shift (once every 12 hours).
- B. Immediately, but no later than one hour upon detection of a leak, plant personnel shall take the following actions: **(05/13)**
 - 1. Isolate the leak.
 - 2. Commence repair or replacement of the leaking component.
 - 3. If the leak cannot be repaired within six hours, a leak collection or containment system shall be used to prevent or minimize the leak or the facility shall be shut down until repair or replacement can be made. Containment may include adjustments in bolts, fittings, packing glands, and pump or compressor seals to contain the leak.

Records shall be maintained at the plant site of all repairs and replacements made due to leaks. A reminder that visual checks for H₂S and SO₂ leaks need to be made once per shift shall be included in the operator manual. These records shall be made available to representatives of the TCEQ upon request. **(PSD)**

Fluid Catalytic Cracking Unit (FCCU)

- 44. A. The maximum and annual average coke burn-off rate shall not exceed 70,000 lb/hr and 60,500 lb/hr respectively. The average coke burn-off rate (tons per hour) and hours of operation shall be recorded daily shall be maintained on-site. Coke burn-off rate shall be determined using the methods as specified in 40 CFR Part 60, Subpart J. These records shall be maintained for a minimum of five years and made available to representatives of the TCEQ or local program upon request. **(11/12)**
- B. Monitoring devices used to determine the coke burn rate per NSPS Ja 60.104a shall reduce readings to an averaging period of 6 minutes or less and record it at that frequency. Monitors shall be installed and calibrated at least annually, and maintained according to the manufacturer's specifications. **(04/14)**

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 29

- C. Quality assured (or valid) data must be generated when the FCCU 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. **(04/14)**
45. The FCCU is subject to the applicable requirements in 40 CFR Part 60, Subparts A and Ja promulgated for Petroleum Refineries. **(04/14)**
46. The pH and flow rate (gallons per minute) of the caustic solution circulating in the scrubber shall be continuously monitored and recorded. During periods of time when the SO₂ continuous emissions monitor (CEM) is off-line, excluding the daily 24 to 28-minute period when the CEM is in calibration mode, the pH level shall be maintained above 6.0 by the addition of fresh caustic solution as required. Records of pH and flow rate shall be maintained on-site for a period of two years and made available to representatives of the TCEQ upon request. **(PSD)**
47. A. The opacity of emissions from the FCCU wet gas scrubber stack shall not exceed 15 percent averaged over a six-minute period. **(PSD)**
- B. Compliance with the opacity limit specified in this condition and 30 TAC 111.111(a)(1)(C) may be demonstrated by continuously monitoring and maintaining the one hour average pressure drop and the one hour average liquid-to-gas (L/G) ratio at or above the minimum established during the most recently approved stack test. Additional stack testing may be required at the request of the regional director. **(01/14)**
- (1) The pressure 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 1.0 inches water gauge pressure or 2 percent of span.
- (2) The liquid and gas 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 design value.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 30

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

Records of the hourly average pressure drop, liquid and gas flow, and L/G value shall be maintained for a period of five years and shall be made available upon request.

48. The maximum allowable concentration of the following pollutants in the FCCU vent gas scrubber stack shall not exceed the following: **(12/11)**

| | |
|------------------------------------|----------------------------------------------------|
| CO | 500 ppmvd (1 hour average) |
| CO | 400 ppmvd (365 day rolling average) (11/12) |
| SO ₂ | 200 ppmvd (1 hour average) |
| SO ₂ | 50 ppmvd (0% oxygen, as a 7-day rolling average) |
| SO ₂ | 25 ppmvd (0% oxygen, as a 365-day rolling average) |
| nitrogen oxides (NO _x) | 200 ppmvd (1 hour average) |
| nitrogen oxides (NO _x) | 38 ppmvd (0% oxygen, as a 7-day rolling average) |
| nitrogen oxides (NO _x) | 19 ppmvd (0% oxygen, as a 365-day rolling average) |
| VOC | 10 ppmv |

The emissions from the FCCU stack shall not exceed 1.0 lb of particulate matter (PM) per 1,000 lb of coke burn-off.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 31

49. The maximum allowable concentrations and/or emission of the following pollutants from the FCCU are included in the best available control technology (BACT) short-term and annual CAP calculations. If any of the following emission rates (ER) are exceeded, the holder of this permit shall provide adequate information to demonstrate continuing compliance with BACT and the emission CAP for those compounds. The levels below shall be achieved no later than October 31, 2002: **(PSD)**

| <u>Compound</u> | <u>Short-Term (lb/hr)</u> | <u>Annual (TPY)</u> |
|------------------|---------------------------|---------------------|
| SO ₂ | 180 | 791 |
| NO _x | 390 | 658 |
| CO | 594 | 1,805 |
| PM ₁₀ | 73 | 296 |

PM₁₀ - particulate matter of 10 microns or less

HF Alkylation

50. All waste gas streams containing HF shall be routed to the acid relief neutralization system, operating with a 99 percent HF removal efficiency, prior to being routed to a flare. During periods that the acid relief neutralization system is operating, the circulation rate and caustic concentration of the neutralization solution shall be checked and recorded once every 12 hours (once per shift). The caustic concentration shall be checked more frequently following unit upsets. The caustic solution shall not be allowed to reach a pH of less than 9.0. The pH of the solution shall be checked every three hours (four times per shift). Records of the circulation rates, caustic concentrations, and pH values shall be maintained on-site. This condition shall not apply during periods that waste streams containing HF are not being vented to the neutralization system. Records of periods that the alkylation unit is not in service shall be kept. **(04/14)**
51. The cooling water return line shall be continuously monitored for pH and the pH recorded at least once per minute. The pH probe shall be positioned in the cooling water return line from the HF unit. There shall be an audible alarm in the HF alkylation unit operations control room should pH levels fall below 5.0. Corrective action shall be taken immediately if the pH is less than 5.0. **(05/13)**

Quality assured (or valid) data must be generated when the HF Alkylation unit 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

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 32

provided it does not exceed 5 percent of the time (in minutes) that the HF Alkylation unit operated over the previous rolling 12 month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded.

52. The acid settler tower shall be equipped with redundant pump systems. The main fractionator feed pump and acid rerun feed pump shall each be backed up by an on-line spare pump.
53. The HF ambient monitors shall be positioned in and around the alkylation process unit. These monitors shall be arranged in such a way that coverage is provided for all wind directions. The monitors shall provide for an audible alarm in the HF control room and shall be set to alarm at concentrations of 10 ppm or greater.
54. The HF sensitive paint shall be used in critical areas of the HF unit to help identify HF leaks. The HF "detection paint" shall be inspected once every shift (once every 12 hours) during the AVO check required by the AVO Inspection condition.

AVO Inspection - Piping, Valves, Pumps, and Compressors in HF Service

55. A. The AVO checks for HF leaks within the operating area shall be made once per shift (once every 12 hours).
- B. Immediately, but no later than one hour upon detection of a leak, plant personnel shall take the following actions: **(05/13)**
 1. Isolate the leak.
 2. Commence repair or replacement of the leaking component.
 3. If the leak cannot be repaired within six hours, a leak collection or containment system shall be used to prevent or minimize the leak or the facility shall be shut down until repair or replacement can be made. Containment may include adjustments in bolts, fittings, packing glands, and pump or compressor seals to contain the leak. **(05/13)**

Records shall be maintained at the plant site of all repairs and replacements made due to leaks. A reminder that visual checks for HF leaks need be made once per shift shall be included in the operator manual. These records shall be made available to representatives of the TCEQ upon request.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 33

56. To allow for remote control of fire monitor stations around the HF area, and to allow for additional surveillance, surveillance cameras shall be maintained and linked to closed circuit television monitors in the main control room.
57. There shall be no overhead work in the HF process unit where equipment is being lifted over unprotected vessels or lines unless such work cannot be avoided. In this event, appropriate management approval and preparation of a written rigging plan shall be obtained prior to conducting the work.

Reformers

58. The Continuous Catalytic Reformer Unit 2 Regeneration Vent (EPN EVC-50) shall be equipped with a caustic scrubber system capable of obtaining a 99 percent HCl removal efficiency. The scrubber handling emissions from Reformer 2 shall be equipped with a spare circulation pump.
59. The caustic concentration and scrubber circulation rate for the reformer scrubber shall be continuously monitored and recorded. Records shall be maintained on-site for a period of two years and made available to representatives upon request.

Hydrotreater

60. Upon start-up of the USLK project as determined by the initial production of ULSK from the MDHT large train, the following requirements shall apply to the MDHT large train. **(02/15)**
 - A. Emissions from the hydrotreater shall be vented to either SRUs 1 and 2 or SRU 3.
 - B. The kerosene feed rate not exceed 28,000 barrels per day based on a 365 day rolling average. The permit holder shall install and operate a totalizing flow meter to measure and record the kerosene feed to the hydrotreater. The 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 5 percent.

Quality assured (or valid) data must be generated when the hydrotreater 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 hydrotreater is operated over the previous rolling 12

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 34

- month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded
- C. The total sulfur content of the kerosene feed shall not exceed 0.5 wt % day based on a 365 day rolling average. The kerosene feed shall be sampled once each calendar month to determine and record the total sulfur content (wt%) of the kerosene.
 - D. Total sulfur production shall not exceed 17.47 LTPD day based on a 365 day rolling average. The amount of sulfur production attributable to the MDHT large train shall be determined based on the sulfur content of the kerosene feed, the throughput of kerosene to the hydrotreater, and the minimum required amount of sulfur recovery from the SRU as specified in Special Condition 30.
 - E. Unless otherwise specified, the following shall be calculated and updated monthly and kept based on a 12 month rolling average.
 - a. Weight percent of total sulfur in the kerosene as determined by sampling.
 - b. Kerosene feed rate to the hydrotreater (bbls/day).
 - c. Quantity of sulfur sent to the SRU
 - d. SRU identification number
 - e. Amount of sulfur produced.

Fired Units (Heaters, Boilers, Turbines, and Engines)

61. Per EPA Consent Decree No. SA-05-CA-0569, Valero shall achieve a final system wide weighted average emission limit for NO_x of 0.044 lbs/MMBtu to reduce NO_x from refinery heaters and boilers greater than 40 MMBtu/hr. For purposes of this special condition and the EPA Consent Decree, the term “system-wide” shall be defined as all the Valero refineries included in EPA Consent Decree Civil Action No. SA-05-CA-0569. **(1/13)**

The following table contains NO_x emission limits in pounds per MMBtu at HHV as a 365 day rolling average for covered Heaters and Boilers and shall not exceed the following individual emission limitations:

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 35

| EPN | Source Name | NO _x lb/MMBTU at HHV (365 Day Rolling Average) |
|------------|--------------------------------------------|--------------------------------------------------------------|
| EB-18 | Boiler No. 18 | 0.050 |
| EB-26 | Boiler No. 26 | 0.015 |
| EB-27 | Boiler No. 27 | 0.015 |
| EB-32 | Boiler No. 32 | 0.015 |
| EB-33 | Boiler No. 33 | 0.015 |
| EH-16/17 | Crude No.3 Heater No. 16 | 0.065 |
| EH-16/17 | Crude No.3 Heater No. 17 | 0.065 |
| EH-REF2 | Reformer No. 2 Heater No. 18 | 0.080 |
| EH-REF2 | Reformer No. 2 Heater No. 19 | 0.080 |
| EH-REF2 | Reformer No. 2 Heater No. 20 | 0.080 |
| EH-REF2 | Reformer No. 2 Heater No. 21 | 0.080 |
| EH-REF2 | Reformer No. 2 Heater No. 22 | 0.080 |
| EH-REF2 | Reformer No. 2 Heater No. 23 | 0.080 |
| EH-28 | Alkylation Heater No. 28 | 0.035 |
| EH-29 | RVDU Heater | 0.150 |
| EH-31/32 | MDHT Heater No. 31 | 0.150 |
| EH-31/32 | MDHT Heater No. 32 | 0.150 |
| EH-34 | Vacuum Tower Charge Heater No. 34 | 0.040 |
| EH-57 | Coker Heater No. 57 | 0.015 |
| EH-58 | Coker Heater No. 58 | 0.015 |
| EH-50 | DHT Heater No. 50 | 0.055 |
| EH-13-1401 | GOHT. Hydrotreater Furnace Heater No. 1401 | 0.065 |
| EH-13-1421 | GOHT. Fractionator Heater No. 1421 | 0.080 |
| EH-13-1451 | GOHT. Hydrotreater Furnace Heater No. 1451 | 0.085 |
| EH-13-1480 | GOHT Feed Prep Heater No. 1480 | 0.080 |
| EH-44 | Rose Heater No. 44 | 0.040 |

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 36

| EPN | Source Name | NO _x lb/MMBTU at HHV (365 Day Rolling Average) |
|-------|--------------------------------------------|--------------------------------------------------------------|
| EH-45 | Toppers Heater No. 45 | 0.040 |
| EH-46 | Toppers Heater No. 46 | 0.040 |
| EH-60 | Low Sulfur Gasoline Reboiler Heater No. 60 | 0.030 |

62. A. The holder of this permit shall install a continuous H₂S 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. Fuel gas used to fire all heaters and boilers, shall not exceed an H₂S concentration of 162 ppmv or 0.1 grain per dry standard cubic foot on a rolling three hour average basis. The H₂S concentration in the fuel gas shall be continuously monitored and recorded.
- B. The 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 5 percent. **(04/14)**
- C. Quality assured (or valid) data must be generated when combustion devices are 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 combustion devices 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 redundant monitoring equipment, may be required by the Regional Manager. **(04/14)**
63. Fuel gas is limited to natural gas, refinery fuel gas, or a combination of natural gas and refinery fuel gas. The refinery fuel gas shall contain no more than 10 grains of total sulfur per 100 dry standard cubic feet (dscf). The heating value of the fuel (Btu/scf) shall be determined on a quarterly basis through grab sampling. In lieu of conducting quarterly grab sampling to determine the heating value of the fuel, a continuous Btu analyzer may be used to continuously monitor and record the heating value of the fuel. In addition, H₂S concentrations shall be obtained from the H₂S fuel gas monitoring system. Records, including the flow, heating value of the fuel, and H₂S, shall be maintained and used to indicate any exceedance of a units represented firing rate(s). Should the firing rate of any unit exceed its permit

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 37

representations, the holder of this permit shall provide adequate information to demonstrate continuing compliance with the emissions cap. **(12/14)**

64. The opacity from all heaters, boilers, etc., shall not exceed 5 percent averaged over a six-minute period, except for those periods described in 30 TAC § 111.111(a)(1)(E). **(PSD)**
65. The NO_x Emissions from Heaters/Boilers and Selective Catalytic Reduction (SCR) NO_x controls on selected units shall conform to the following:
 - A. After completion of the control implementation period, all boilers and heaters shall be capable of operating with a combined average NO_x emission value of 0.06 lb NO_x/MMBtu based on maximum firing rates. It is not permissible to relax the current control technology on any unit.
 - B. The NO_x emissions from each of the Heaters EH-57, EH-58, EH-60, shall not exceed 0.035 lb/MMBtu based on a one hour rolling average. **(PSD)(05/13)**
 - C. Two new package Boilers EB-26 and EB-27 shall be equipped with SCR capable of achieving a NO_x concentration of 0.015 lb NO_x/MMBtu. Package Boilers EB-26 and EB-27 are limited to a carbon monoxide (CO) concentration of 50 ppmvd. For Package Boilers EB-26 and EB-27 compliance with the NO_x and CO limits shall be based on a 30 day rolling average. **(05/13)**
 - D. Boiler EB-34 shall be equipped with SCR capable of achieving a NO_x concentration of 0.01 lb NO_x/MMBtu and is limited to a carbon monoxide (CO) concentration of 50 ppmvd corrected to 3 percent. Compliance with the NO_x and CO limits shall be based on a 30 day rolling average. **(11/12)**
 - E. The NH₃ slip from heaters and boilers equipped with a SCR shall not exceed 10 ppmv corrected to 3percent oxygen.
 - F. Detailed design information for the aqueous NH₃ storage and handling equipment related to the SCR system shall be submitted to the TCEQ Air Permits Division for review and approval prior to construction. Information for evaluation shall include storage vessel size (completed Table 7), pressure valve settings, ER/calculations, etc. **(Complete) (PSD)**
66. Emission rate of NO_x from Boiler B-18 shall not exceed 0.05 lb/MMBtu based on a one hour rolling average. **(05/13)**

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 38

67. Upon startup of the USLK project as determined by the initial production of ULSK from the MDHT large train, the following requirements shall apply: **(02/15)**
- A. MDHT Heater 32 (EPN 31/32) is limited to an annual average firing rate of 29.8 MMBtu/hr.
 - B. Within 180 days of the start-up of the USLK project, the permit holder shall perform a stack test of the MDHT Small and Large train heaters (EPN 31/32) according to the requirements of Special Condition 73. Sampling shall occur at the maximum production rate at which the MDHT small and large trains will be operated. Air contaminants emitted from the MDHT heater to be tested for include (but are not limited to) NO_x. During stack testing, it shall be demonstrated that the NO_x emission rate from simultaneous firing of both heaters does not exceed 0.117 lb NO_x/MMBtu. After completion of the initial stack test, the holder of this permit shall conduct an annual stack test for NO_x for a period of 5 years. The stack test shall be comprised of no less than the average of three one-hour readings for each pollutant.

Relief Valves

68. Safety relief valves that discharge to the atmosphere only as a result of fire shall be equipped with a rupture disc and pressure gauge. The pressure gauge shall be installed between the relief valve and the rupture disc to monitor disc integrity. Atmospheric relief valves which are not equipped with a rupture disc shall be checked for leaks on a quarterly basis with an approved gas analyzer. A leak shall be defined as 500 ppmv. There shall be no variance for inaccessible valves. All leaking discs shall be replaced at the earliest opportunity, but no later than the next process shutdown. The valves associated with the following Pressure Tanks are exempt from being routed to a flare: T-115, T-116, T-117, T-118, T-323, T-324, T-325, T-326, T-437, and T-438. **(PSD)**

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 39

Cooling Towers

69. The holder of this permit shall perform sampling and other testing as necessary to establish and demonstrate ongoing compliance with the emission limits, lb/hr and TPY for the cooling tower. The VOC associated with cooling tower return water for Cooling Tower Nos. 1 (two main 30-inch return headers), 3, 4, 5, 6, 9, and 10 when they are in service, shall be monitored monthly with an approved air stripping system or equivalent. The minimum detection level of the testing system shall be equivalent to no more than approximately 22 ppmv (air-stripped concentration, as methane) for the two Cooling Tower No. 1 return headers, 14 ppmv for Cooling Tower Nos. 3, 4, 5, and 6, and 5 ppmv for Cooling Tower Nos. 9, and 10. The appropriate equipment shall be maintained so as to minimize fugitive VOC emissions from the cooling tower. The results of the monitoring and maintenance efforts shall be recorded, and such records shall be maintained for a period of two years. The records shall be made available to the TCEQ Executive Director upon request.

If a leak equivalent to more than the ppmv values listed above ppmv is detected, the owner or operator shall repair the leak as soon as practical but not later than 45 calendar days after the holder of this permit receives results of monitoring tests indicating a leak. Documentation of a decision to delay repair shall state the reasons repair was delayed and shall specify a schedule for completing the repair as soon as possible. For the purposes of this permit condition, delay of repair means exceeding the 45-day time frame described above. Prior to exceeding the time frame described above, all documentation of a decision to delay repair shall be submitted to the TCEQ Houston Regional Office for approval.

Delay of repair on heat exchange systems for which leaks have been detected is allowed if the equipment is isolated from the process. In addition, delay of repair is also allowed in the following situations:

- A. If repair is technically infeasible without a shutdown, and a shutdown is expected within the next two months.
- B. Delay of repair is also allowed for up to 120 calendar days if necessary parts or personnel were not available.
- C. Delay of repair is also allowed if repair is technically infeasible without a shutdown and the shutdown would cause greater emissions than the potential emissions from delaying repair. The owner or operator may delay repair until the next shutdown of the process equipment associated with the leaking heat exchanger. The owner or operator shall document the basis for

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 40

the determination that a shutdown for repair would cause greater emissions than the emissions likely to result from delaying repair.

Wastewater

70. The holder of this permit shall perform sampling and other testing, as necessary, to establish the lb/hr of VOC being emitted to the atmosphere from the wastewater system associated with this permit. All sampling and testing methods shall be approved by the TCEQ Houston Regional Office prior to their implementation. Within 30 days after completion of the sampling, copies of the sampling report shall be submitted to the TCEQ Houston Regional Office. The holder of this permit shall submit a written sampling and testing method to the TCEQ Houston Regional Office. Sampling and testing shall begin within 60 days of plan approval, but no later than July 1, 2001.
71. Emissions from the APIs shall be routed to a thermal incinerator capable of obtaining a VOC destruction efficiency of 99.9 percent in the TGI exhaust. All wastewater process drains shall be instrument-monitored with an approved gas analyzer on an annual basis using a 500 ppmv leak definition. The gas analyzer shall conform to the requirements listed in 40 CFR § 60.485(a)-(b). **(PSD)**

Demonstration of Compliance

72. Sampling port(s) and platforms(s) shall be incorporated into the design of the combustion source stack(s) per specifications in the attachment entitled Chapter 2, Stack Sampling Facilities of the TCEQ Sampling Procedures Manual. Platform(s) will not be necessary for existing stacks of combustion facilities that will not be equipped with continuous emissions monitoring system (CEMS) and do not currently have platform(s) included in their design. Alternate sampling facility designs may be submitted for approval by the Executive Director of the TCEQ. **(PSD)**
73. The holder of this permit shall perform stack sampling and other testing, as required, to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the following sources:

FCCU Stacks (EPN EG-001);

SRU TGI Stacks (EPNs EG-193 and EG-18-1403); and

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 41

All boilers and heaters with firing rates of 40 MMBtu/hr or greater. In addition, common stacks containing units capable of 40 MMBtu/hr or greater shall also be sampled.

Boiler 34 (EPN EB-34). **(11/12)**

Reformer No. 2 Regenerator Vent (EPN EVC-50).

The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense.

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

The notice shall include:

- (1) Date for pretest meeting.
- (2) Date sampling will occur.
- (3) Name of firm conducting sampling.
- (4) Type of sampling equipment to be used.
- (5) Method or procedure to be used in sampling.
- (6) Description of any proposed deviation from the sampling procedures specified in this permit or TCEQ/EPA sampling procedures.
- (7) Procedure/parameters to be used to determine worst case emissions during the sampling period.

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports.

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

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

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 42

- B. Air contaminants emitted from the listed sources to be tested for include (but are not limited to) the following:

| | |
|-----------------------------------|-------------------------------------------------------------------------------------|
| FCCU: | NO _x , CO, SO ₂ , TSP*, PM ₁₀ * and O ₂ |
| SRU TGI(s): | SO ₂ , H ₂ S, NO _x , CO, VOC, and O ₂ |
| Boilers, Heaters, Furnaces, etc.: | NO _x , CO, VOC, and O ₂ |
| Reformer Stacks: | HCl |
| Units equipped with SCR: | NH ₃ |

* TSP - total suspended particulate

- C. Sampling shall occur within 60 days after achieving the maximum production rate at which the facility will be operated, but no later than 180 days after startup, following modification of a boiler/heater, FCCU, etc. (or by February 23, 2001 if a specific unit is not going to be modified), and other such times as determined necessary to verify compliance with the emissions cap as required by the TCEQ Regional Director or the TCEQ Executive Director. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office. Additional time to comply with the applicable requirements of 40 CFR Part 60 and 40 CFR Part 61 requires EPA approval, and requests shall be submitted to the TCEQ Houston Regional Office.
- D. The EPN being tested shall operate at maximum production or firing rates during stack emission testing. Primary operating parameters that enable determination of production rate shall be monitored and recorded during the stack test. These parameters are to be determined at the pretest meeting. If the EPN is unable to operate at maximum rates during testing, then future production rates may be limited to the rates established during testing. Additional stack testing may be required if higher firing rates are achieved. (Additional testing will not be required if the EPN is equipped with a CEMS.)
- E. A copy of the final sampling report shall be forwarded to the TCEQ within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions of Chapter 14 of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:
- One copy to the TCEQ Houston Regional Office
- F. Stack sampling for those units which are not equipped with a CEMS shall be repeated every five years after the initial sampling in conformity with A, B, and D of this condition. Sources which are not being modified and have been

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 43

tested in the last five years shall be tested within five years of the last test date (even if those sources have not been tested for VOC during previous tests).

- G. For fired units equipped with SCR, the initial compliance stack test shall test for the presence of NH₃ slip in the stack. The NH₃ concentration exiting the stack can be used with the NO_x concentration to help evaluate the NH₃ injection rate into the SCR. After the initial stack test, grab samples for NH₃ shall be conducted weekly during the first 60 days of operation. After operating procedures have been developed to prevent excess amounts of NH₃ from being introduced into the SCR unit, the frequency of NH₃ grab sampling can be reduced to a quarterly basis. If the grab samples exceed 10 ppmv at any time, the holder of this permit shall return to weekly NH₃ sampling until such time as the SCR unit catalyst is replaced, or the sampling indicates that the NH₃ slip is 5 ppmv or less. **(PSD)**
74. Within 180 days after the issuance of the permit dated **(12/14)**, the holder of this permit shall perform stack sampling and other testing, as required, to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the following sources to demonstrate compliance with the MAERT: **(12/14)**

FCCU Stacks (EPN EG-001);

Marine Vapor Destruction Unit (EPN EMVDU-01)

The permit holder is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense. Sampling shall be conducted in accordance with the appropriate procedures of the Texas Commission on Environmental Quality (TCEQ) Sampling Procedures Manual and the U.S. Environmental Protection Agency (EPA) Reference Methods.

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

- A. The appropriate TCEQ Regional Office shall be notified not less than 45 days prior to sampling. The notice shall include:
- (1) Proposed date for pretest meeting.
 - (2) Date sampling will occur.
 - (3) Name of firm conducting sampling.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 44

- (4) Type of sampling equipment to be used.
- (5) Method or procedure to be used in sampling.
- (6) Description of any proposed deviation from the sampling procedures specified in this permit or TCEQ/EPA sampling procedures.
- (7) Procedure/parameters to be used to determine worst case emissions during the sampling period.

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

- B. Air contaminants emitted from the listed sources to be tested for include (but are not limited to) the following:

| | |
|--------------------------------|-------------------------------|
| FCCU: | HCN |
| Marine Vapor Destruction Unit: | VOC, NO _x , and CO |

- C. Sampling shall occur within 180 days after the issuance of the permit issued dated December 30, 2014 and at such other times as may be required by the TCEQ Executive Director. Requests for additional time to perform sampling shall be submitted to the appropriate regional office. If a stack test has been performed within the previous 5 years from the date of the permit issued dated December 30, 2014, the permit holder may petition the regional office to accept the results of the stack test and waive the requirement to perform a stack test as specified in this condition. The decision to waive the stack test shall be at the discretion of the regional office.
- D. The EPN being tested shall operate at either the maximum coke burn rate (EPN EG-001) or the maximum loading rate (EPN EMVDU-01) during stack emission testing. These conditions/parameters and any other primary operating parameters that affect the emission rate shall be monitored and recorded during the stack test. Any additional parameters shall be determined at the pretest meeting and shall be stated in the sampling report. Permit conditions and parameter limits may be waived during stack testing performed under this condition if the proposed condition/parameter range is identified in the test notice specified in paragraph A and accepted by the TCEQ Regional Office. Permit allowable emissions and emission control requirements are not waived and still apply during stack testing periods.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 45

- E. Copies of the final sampling report shall be forwarded to the offices below within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions entitled "Chapter 14, Contents of Sampling Reports" of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:

One copy to the appropriate TCEQ Regional Office

75. Within 90 days upon completion of stack sampling specified in Special Condition 71 of this permit, the permit holder shall submit an amendment application to TCEQ to provide the results of stack testing and update the representation of HCN emissions from the FCCU. Permit conditions may be added or updated based on results of the stack test and evaluation of Best Available Control Technology (BACT) and/or Best Management Practices (BMP) during this amendment. **(12/14)**
76. The holder of this permit shall install, calibrate, and maintain a CEMS to measure and record the in-stack concentrations of the following compounds from the indicated sources:

FCCU Wet Gas Scrubber Stack (EPN EG-001): SO₂, NO_x, CO, and O₂

SRU TGI Nos. 2 and 3 Stacks (EPNs EG-193 and EG-18-1403): NO_x, SO₂ and O₂.

The NO_x CEMS for EG-193 shall be installed either when SRU₃ are taken out of service to install any of the modifications authorized for SRUs 1 & 2 in the amendment, PI-1, dated March 13, 2013 or within 18 months of the permit issued dated March 18, 2014 whichever is sooner. Compliance with the NO_x CEMs requirement condition shall become effective subsequent to installation of the CEMS and startup of the SRU. **(03/14)**

The NO_x CEMS for EG-18-1403 shall be installed either when SRUs 1 & 2 are out of service to install any of the modifications authorized for SRUs 1 & 2 in the amendment, PI-1, dated March 13, 2013 or within 24 months of the permit issued dated March 18, 2014 whichever is sooner. Compliance with the NO_x CEMs requirement of this condition shall become effective subsequent to installation of the CEMS and startup of the SRU. **(03/14)**

Boiler 34 (EPN EB-34): NO_x, CO, and O₂. **(11/12)**

Any additional boiler or process heater with a maximum firing rate greater than or equal to 100 MMBtu/hr: NO_x, O₂, and CO. **(11/11)**

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 46

- A. The CEMS 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 Houston Regional Office for requirements to be met.
- B. The system shall be zeroed and spanned daily and corrective action taken when the 24-hour span drift exceeds two times the amounts specified in 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, unless the monitor is required by a subpart of NSPS or NESHAPS, in which case zero and span shall be done daily without exception.

Each monitor shall be quality-assured at least quarterly using certified gas analysis (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). The exception does not apply and the RATA is required by a subpart of NSPS or NESHAPS. 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 15 percent accuracy and any CEMS downtime greater than 24 hours in duration shall be reported within 72 hours to the appropriate TCEQ Regional Office by facsimile or telephone, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Director.

- C. The monitoring data shall be reduced to hourly average concentrations at least once every day, using a minimum of four equally-spaced data points from each one-hour period. The individual average concentrations shall be reduced to units of the permit allowable ER in lb/hr at least once everyday and cumulative TPY on a 12-month rolling average at least once every month.
- D. The permit holder shall install and operate a fuel flow meter to measure the gas fuel usage for each heater or boiler. The monitored data shall be reduced to an hourly average flow rate at least once every day, using a minimum of four equally-spaced data points from each one-hour period. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or at least annually, whichever is more frequent,

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 47

- and shall be accurate to within 5 percent. For orifice plates used to measure flow, the calibration requirement applies to the instrument used to monitor the pressure drop across the orifice plate. In lieu of monitoring fuel flow, the permit holder may monitor stack exhaust flow using the flow monitoring specifications of 40 Code of Federal Regulations (CFR) Part 60, Appendix B, Performance Specification 6 or 40 CFR Part 75, Appendix A. **(12/14)**
- E. 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.
- F. For NSPS sources subject to Appendix F, the appropriate TCEQ Regional Office shall be notified at least 30 days prior to each annual RATA in order to provide the opportunity to observe the testing.
- G. Quality assured (or valid) data must be generated when the emissions source is operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor breakdown, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the emissions source is 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 redundant CEMS equipment, may be required by the TCEQ Regional Manager.
77. Boilers, heaters, etc., with maximum firing rates of greater than or equal to 40 MMBtu/hr and less than 100 MMBtu shall be monitored in accordance with this condition. The terms of this condition are effective upon implementation of BACT for a particular device or for combustion devices for which additional controls are not anticipated by February 23, 2001.

After completion of the initial stack test, the holder of this permit shall conduct stack tests at least every 5 years for NO_x and CO. The stack test shall be comprised of no less than the average of three one-hour readings for each pollutant. **(12/14)**

The results of the stack test shall be recorded in terms of ppm and converted into values of lb/hr and TPY within 30 days of sampling (unless a mass ER can be estimated at the time of the test). The stack tests shall start after the initial stack test for each unit and shall occur during the same quarter at least every five years.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 48

The SO₂ emissions from the unit being tested shall also be estimated on an annual basis using the H₂S concentrations obtained from the H₂S fuel gas monitoring system and the fuel flow rate to the unit being tested. **(12/14)**

Should the stack test from a particular unit indicate an exceedance of the short-term (lb/hr) and/or annual (TPY) ER used in the emission cap calculation, the applicant shall provide adequate information to demonstrate continuing compliance with the emissions cap.

Records shall be maintained indicating any exceedance of a unit's represented firing rate. Should the firing rate of any unit exceed its permit representations (represented contribution to the emission cap), the holder of this permit shall provide adequate information to demonstrate continuing compliance with the emissions cap. **(PSD)**

78. The following requirements apply to boilers and heaters with a maximum firing rate less than 100 MMBtu/hr: **(12/14)**
- A. For boilers and heaters with a maximum firing rate less than 100 MMBtu/hr, the permit holder shall install and operate a totalizing fuel flow meter to measure the gas fuel usage for each heater or boiler and fuel usage for each shall be recorded monthly. Each 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 5 percent. For orifice plates used to measure flow, the calibration requirement applies to the instrument used to monitor the pressure drop across the orifice plate. In lieu of monitoring fuel flow, the permit holder may monitor stack exhaust flow using the flow monitoring specifications of 40 Code of Federal Regulations (CFR) Part 60, Appendix B, Performance Specification 6 or 40 CFR Part 75, Appendix A.
 - B. Quality assured (or valid) data must be generated when the heater or boiler is operating. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the heater or boiler operated over the previous rolling 12 month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 49

79. The holder of this permit shall perform stack sampling and other testing as required to initially establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from Boilers EB-26 and EB-27. Sampling must be conducted in accordance with appropriate procedures of the TCEQ Sampling Procedures Manual and in accordance with EPA Reference Method 9 for opacity consisting of 30 six-minute readings as provided in 40 CFR § 60.11(b), Reference Method 10 for the concentration of CO, Reference Method 7 or 7E for the concentration of NO_x, and Reference Method 3 or 3A for the concentration of O₂. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operation at his expense.

Boilers EB-26 and EB-27 shall perform compliance stack sampling, at full load, at the time of CEMs certification. If full load is not achieved during the stack test, the operations of EB-26, and EB-27 may be limited to the rates achieved during the stack test.

- A. The TCEQ Houston Regional Office shall be contacted as soon as testing is scheduled but not less than 45 days prior to sampling to schedule a pretest meeting. The notice shall include:
- (1) Date for pretest meeting.
 - (2) Date sampling will occur.
 - (3) Name of firm conducting sampling.
 - (4) Type of sampling equipment to be used.
 - (5) Method or procedure to be used in sampling.

The purpose of the pretest meeting is to review and formalize the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, to identify each operating parameter which is significant to maintaining emission compliance, and to review the format procedures for submitting the test reports.

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

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

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 50

Regional Director. Any equivalent test procedures or any test waivers must be approved by the TCEQ.

- B. Sampling shall occur within 60 days after achieving the maximum production rate at which the boilers will be operated, but no later than the time of CEM certification. Additional sampling shall occur as may be required by the TCEQ or the EPA.
- C. Within 60 days after the completion of the testing and sampling required herein, two copies of the sampling report shall be distributed as follows:
 - One copy to the TCEQ Houston Regional Office
 - One copy to the TCEQ Austin Office of Air, Air Permits Division

Coke Handling

- 80. Coke product handled at this unit shall maintain a moisture content of 8 percent or greater at all times. Should any visible emissions occur, water sprays shall be used at the drop point into the crusher hopper to reduce particulate emissions. The crusher shall be a fully enclosed unit.
- 81. Coke produced by the coking unit shall be transported (conveyed) off-site with the use of a roll-type conveyor (completely enclosed). During periods of time when the conveyor system is out of order or unavailable for use (not to exceed 10 percent of the year or 876 hrs/yr), coke may be loaded into trucks using mobile equipment (e.g., front-end loaders, track hoes) for off-site transfer. All trucks loaded with coke shall be covered with a tarp, or other similar covering device, prior to departure from the walled coke pad area. Water sprays shall be applied to all mobile equipment, including the undercarriage and tires/tracks prior to departure from the walled coke pit/pad area. In addition, water sprays shall be used on the coke pad during periods of time that the mobile equipment is in use working the pile, and at other times as necessary to suppress particulate emissions, or demonstrate that a moisture content of 8 percent or greater is being maintained. Records of all conveyor down time shall be maintained on-site for a period of two years and made available to representatives of the TCEQ or local program upon request.
- 82. Water sprays shall be used on the storage pile and any transfer/drop point to reduce particulate emissions should any visual emissions occur. All water sprays shall be properly maintained and operated. Cleaning and maintenance of abatement equipment shall be performed as necessary so that the equipment efficiency can be maintained.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 51

83. 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 two years and made available to representatives of the TCEQ or local program upon request.
84. A watering truck or other watering device (such as a sprinkler system, etc.) shall be maintained on-site for watering plant road surfaces and shall be available when the coker is in operation. The watering truck or device shall be used as necessary to minimize particulate emissions. Final design of a watering system other than a watering truck shall be approved by the TCEQ Houston Regional Office prior to installation.
85. The opacity of emissions from any transfer point, conveyor, crusher, etc., at this unit shall not exceed 5 percent averaged over a six-minute period, except for those periods described in 30 TAC § 111.111(a)(1)(3). No visible emissions may leave the plant property. If visible emissions do leave the plant property, further controls or measures shall be installed and/or implemented as required to limit visible emissions.

Emission Cap Compliance Recordkeeping

86. Recordkeeping programs for those facilities authorized and covered by this permit shall be established and maintained such that the ability to demonstrate compliance with all authorized emission caps (short-term [lb/hr] and annual [TPY]) is ensured. Records of all compliance testing, CEM results, and process parameters (including short-term pump or fill rates, firing rates, etc.) necessary to demonstrate compliance with the ER caps shall be maintained on-site for a period of two years.

Emission calculations for verifying compliance with the emission caps shall be performed at least once every month to demonstrate compliance with the annual rolling average ER. The holder of this permit shall maintain all records necessary to demonstrate compliance with the short-term (lb/hr) and annual (TPY) emissions cap and provide such demonstration of compliance to the TCEQ Regional Office upon request.

These and all records required by any conditions of this permit shall be made available to representatives of the TCEQ upon request.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 52

The emissions shall be determined by using the following techniques. When a technique is not specified below for a specific facility type, the holder of this permit shall use the technique that was used in the permit application.

Tanks - As specified in the Storage and Loading condition, short-term ER shall be based on the maximum expected pumping rate (fixed-roof) and the higher of the pumping rate or withdrawal rate (IFR and EFR).

Loading - AP-42 Chapter 5.2-4 (Fifth Edition) L_L Equation - The collection efficiency is 95 percent collection for annual vessel leak inspections and 97.5 percent for semiannual vessel leak inspections. A 98 percent destruction efficiency is allowed for compounds being routed to the flare as a control device.

Fugitives - Component counts, emission factors, and reduction credits specified in the permit application for the various inspection and maintenance programs.

Boilers/Heaters - CEM information if such a device is installed. The most recent stack test results if a CEM is not installed. If no stack sampling is required, use the proper emission factor for the specific unit and the measured Btu value and flow rate of the fuel.

The SRU/FCCU - CEM information. Use the most recent stack test for those compounds which are not subject to CEM requirements.

Compliance with the annual emission caps and individual emission limitations of this permit shall be based on a 12-month rolling average of emissions. The emissions shall be calculated monthly and summed for the most recent 12-month period for comparison to the caps. **(PSD)**

87. Within 180 days after the permit issued dated December 30, 2014 the permit holder shall submit an amendment application to the TCEQ to include the following: **(12/14)**
 - A. Incorporate all outstanding Permits by Rule into the permit.
 - B. Update emission representations for the Coker Drum Steam Vent (EPN COKERVENT) and to include any emission limits, control requirements, operational limits, monitoring, testing, recordkeeping, and reporting requirements necessary to demonstrate BACT and determine compliance with the emission limits identified in the permit. Additional requirements pertaining to the facility may be included as necessary as a result of this project

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 53

88. A. The ULSK project authorized by the amendment application, PI-1 dated June 23, 2014, is determined not to be subject to major new source review by identifying projected actual emission rates for the following facilities potentially affected by the project provided the projected actual emission rates for the indicated pollutants are not exceeded.

| FIN/Description | Pollutant | *Adjusted Baseline Actual | Projected Actuals |
|------------------------|----------------------------------------|---------------------------|-------------------|
| EH-32 (MDHT Heater) | NOx | 11.17 tpy | 15.27 tpy |
| | CO | 0.09 tpy | 4.20 tpy |
| | PM/PM ₁₀ /PM _{2.5} | 0.65 tpy | 0.98 tpy |
| | SO ₂ | 0.68 tpy | 1.32 tpy |
| | H ₂ S | 0.004 tpy | 0.01 tpy |

*Baseline actual emissions adjusted by a factor of 1.13 based on accommodated emissions during the baseline period.

- B. Actual emissions from the facilities shall be monitored (or calculated if no CEMS is required), recorded and reports made in accordance 30 TAC § 116.127 for the time period specified in 30 TAC § 116.127(b)(1).
- C. This condition becomes effective upon startup and operation of the ULSK project authorized in the permit dated (DATE) and remain effective for the time period specified in 30 TAC § 116.127(b)(1).

Maintenance Startup and Shutdown Conditions (MSS)

89. This permit authorizes emissions from those points listed in the attached table entitled “Emission Sources - Maximum Allowable Emission Rates,” and the facilities covered by this permit are authorized to emit subject to the emission rate limits on the MAERT table and other requirements specified in the special conditions.

Planned startup and shutdown emissions due to the activities identified in MSS Special Condition No. 90 are authorized from facilities and emission points identified in Attachment D in other construction permits at the site provided the facility and emissions are compliant with the respective MAERT and special conditions, or Special Condition No. 99 of this permit.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 54

90. This permit authorizes the emissions for the planned MSS activities summarized in the MSS Activity Summary (Attachment C) attached to this permit. This permit also authorizes emissions from the following temporary facilities used to support planned 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. 100, 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 Attachment D, and (c) does not operate as a replacement for an existing authorized facility.

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

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

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

- A. the process unit at which emissions from the MSS activity occurred, including the emission point number and common name of the process unit;
- B. the type of planned MSS activity and the reason for the planned activity;
- C. the common name or the facility identification number, if applicable, of the facilities at which the MSS activity and emissions occurred;
- D. the date on which the MSS activity occurred;

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 55

- E. the estimated quantity of each air contaminant, or mixture of air contaminants, emitted with the data and methods used to determine it. The emissions shall be estimated using the methods identified in the permit application, consistent with good engineering practice.

All MSS emissions shall be summed monthly and the rolling 12-month emissions shall be updated on a monthly basis.

- 91. Process units and facilities, with the exception of those identified in Special Condition Nos. 94 (related to Floating Roof Tanks), 95 (related to Fixed-Roof Tanks), 97 (related to frac or temporary tanks), and activities listed in Attachment A, shall operate in accordance with the following requirements during MSS.
 - A. The process equipment shall be depressurized to a control device or a controlled recovery system prior to venting to atmosphere, degassing, or draining liquid. Equipment that only contains material that is liquid with VOC true vapor pressure less than 0.50 psi at the normal process temperature and 95°F may be opened to atmosphere and drained in accordance with paragraph C of this special condition without depressuring or degassing to a control device. The vapor pressure at 95°F may be used if the actual temperature of the liquid is verified to be less than 95°F and the temperature is recorded.
 - B. If mixed phase materials must be removed from process equipment, the cleared material shall be routed to a knockout drum or equivalent to allow for managed initial phase separation. If the VOC true vapor pressure is greater than 0.50 psi at either the normal process temperature or 95°F, any vents in the system must be routed to a control device or a controlled recovery system. The vapor pressure at 95°F may be used if the actual temperature of the liquid is verified to be less than 95°F and the temperature is recorded. Control must remain in place until degassing has been completed or the system is no longer vented to atmosphere.
 - C. All liquids from process equipment shall be removed to the maximum extent practical prior to opening equipment to commence degassing and/or maintenance. Liquids with a VOC partial pressure greater than or equal to 0.044 psia at 68°F shall be drained into a closed vessel or oily water sewer 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 shall be covered or transferred to a covered vessel within one hour of being drained.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 56

After draining is complete, empty open pans may remain in use for housekeeping reasons to collect incidental drips.

- D. If the VOC true vapor pressure is greater than 0.50 psi at the normal process temperature or 95°F, facilities shall be degassed using good engineering practice to ensure air contaminants are removed from the system through the control device or controlled recovery system to the extent allowed by process equipment or storage vessel design. The vapor pressure at 95°F may be used if the actual temperature of the liquid is verified to be less than 95°F and the temperature is recorded.

The following requirements do not apply to fugitive components, pumps, compressors.

1. For MSS activities identified in Attachment B, the following option may be used in lieu of condition 2 below. The facilities being prepared for maintenance shall not be vented directly to atmosphere, except as necessary to verify an acceptable VOC concentration and establish isolation of the work area, until the VOC concentration has been verified to be less than 10 percent of the lower explosive limit (LEL) (*or equivalent*) per the site safety procedures.
2. The locations and/or identifiers where the purge gas or steam enters the process equipment or storage vessel and the exit points for the exhaust gases shall be recorded (PFD's, P&ID's or Turnaround and Inspection(T&I) plans may be used to demonstrate compliance with the requirement). 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. If the process equipment is purged with a gas, purge gas must have passed through the control device or controlled recovery system for a sufficient period of time in accordance with the applicable site operating procedures before the vent stream may be sampled to verify acceptable-VOC concentration prior to uncontrolled venting. The VOC sampling and analysis shall be performed using an instrument meeting the requirements of MSS Special Condition No. 88. The sampling point shall be upstream of the inlet to the control device or controlled recovery system. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the process equipment or vessel being purged. The facilities shall be degassed to a

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 57

control device or controlled recovery system until the VOC concentration is less than or equal to 10,000 ppmv or 10 percent of the LEL.

3. 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 meeting the requirements of Special Condition No. 92C, 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).

E. Equipment with VOC true vapor pressure greater than 0.50 psi may be vented directly to atmosphere if all the following criteria are met:

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

All instances of venting directly to atmosphere per MSS Special Condition No. 91E 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 B.

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

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

1. The instrument shall be calibrated within 24 hours of use with a calibration gas. The calibration gas used and its concentration, and the vapor to be sampled and its approximate response factor (RF), shall be

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 58

recorded. If the RF of the VOC (or mixture of VOCs) to be monitored is greater than 2.0, the VOC concentration shall be determined as follows:

VOC Concentration = Concentration as read from the instrument*RF

2. Sampling shall be performed as directed by this permit in lieu of § 8.3 of Method 21. During sampling, data recording shall not begin until after two times the instrument response time. The date and time shall be recorded, and VOC concentration shall be monitored for at least 5 minutes and the greatest VOC concentration recorded. This VOC concentration shall not exceed the specified VOC concentration limit prior to uncontrolled venting.
 3. 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 ppm as VOC.
- B. Colorimetric gas detector tubes may be used to determine air contaminant concentrations if they are used in accordance with the following requirements:
1. The air contaminant concentration measured is less than 80 percent of the range of the tube. If the maximum range of the tube is greater than the release concentration defined in (3), the concentration measured is at least 20 percent of the maximum range of the tube.
 2. The tube is used in accordance with the manufacturer's guidelines.
 3. At least 2 samples taken at least 5 minutes apart must satisfy the following prior to uncontrolled venting:
$$\text{measured contaminant concentration (ppmv)} < \text{release concentration.}$$

Where the release concentration is:
10,000*mole fraction of the total air contaminants present that can be detected by the tube.

The mole fraction may be estimated based on process knowledge. The release concentration and basis for its determination shall be recorded.

Records shall be maintained of the tube type, range, measured concentrations, and time the samples were taken.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 59

- C. Lower explosive limit measured with a lower explosive limit detector.
 - 1. The detector shall be calibrated monthly with a certified pentane gas standard at 25 percent of the lower explosive limit (LEL) for pentane. Records of the calibration date/time and calibration result (pass/fail) shall be maintained.
 - 2. A daily functionality test shall be performed on each detector using the same certified gas standard used for calibration. The LEL monitor shall read no lower than 90 percent of the calibration gas certified value. Records, including the date/time and test results, shall be maintained.
 - 3. 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.
 - D. For measuring benzene breakthrough on Carbon Adsorption Systems in Special Condition No. 100, a portable gas chromatograph using a flame ionization detector or photo ionization detector may be used. Alternatively a photo-ionization detector equipped with a benzene separation tube consistent with manufacturer requirements may be used. The monitor shall have the sensitivity and specificity to quantify low level benzene concentrations. The monitor device shall be calibrated within 24 hours of use with a certified calibration gas containing ~5 ppm benzene. Records of the calibration date/time and calibration result shall be maintained.
93. If the removal of a component for repair or replacement results in an open -ended line or valve, the open ended line is exempt from any NSR permit condition requirement to install a cap, blind flange, plug, or second valve for 72 hours. If the repair or replacement is not completed within 72 hours, the permit holder must complete either of the following actions within that time period;
- A. a cap, blind flange, plug, or second valve must be installed on the line or valve or demonstrate that the line, valve, component, etc. has been double blocked from the process; or
 - B. the permit holder shall verify that there is no leakage from the open-ended line or valve. The open-ended line or valve shall be monitored on a weekly basis in accordance with the applicable NSR permit condition for fugitive emission monitoring except that a leak is defined as any VOC reading greater than background. Leaks must be repaired within 24 hours or a cap, blind

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 60

flange, plug, or second valve must be installed on the line or valve. The results of this weekly check and any corrective actions taken shall be recorded.

94. This permit authorizes emissions from the storage tanks identified in the attached facility list during planned floating roof landings. Tank roofs may only be landed for changes of tank service or tank inspection/maintenance as identified in the permit application. Emissions from change of service tank landings, for which the tank is not cleaned and degassed, shall not exceed 10 tons of VOC in any rolling 12-month period. Tank roof landings include all operations when the tank floating roof is on its supporting legs. These emissions are subject to the maximum allowable emission rates indicated on the MAERT. The following requirements apply to tank roof landings.
- A. The tank liquid level shall be continuously lowered after the tank floating roof initially lands on its supporting legs until the tank has been drained to the maximum extent practicable without entering the tank. Liquid level may be maintained steady for a period of up to two hours if necessary to allow for valve lineups and pump changes necessary to drain the tank. This requirement does not apply where the vapor under a floating roof is routed to control or a controlled recovery system during this process.
 - B. If the VOC partial pressure of the liquid previously stored in the tank is greater than 0.50 psi at 95°F, tank refilling or degassing of the vapor space under the landed floating roof must begin within 24 hours after the tank has been drained unless the vapor under the floating roof is routed to control or a controlled recovery system during this period. The tank shall not be opened except as necessary to set up for degassing and cleaning. Floating roof tanks with liquid capacities less than 100,000 gallons may be degassed without control if the VOC partial pressure of the standing liquid in the tank has been reduced to less than 0.02 psia prior to ventilating the tank. Controlled degassing of the vapor space under landed roofs shall be completed as follows:
 - 1. Any gas or vapor removed from the vapor space under the floating roof must be routed to a control device or a controlled recovery system and controlled degassing must be maintained until the VOC concentration is less than 10,000 ppmv or 10 percent of the LEL. The locations and identifiers of vents other than permanent roof fittings and seals, control device or controlled recovery system, and controlled exhaust stream shall be recorded. There shall be no other gas/vapor flow out of the vapor space under the floating roof when degassing to the control device or controlled recovery system.
 - 2. The vapor space under the floating roof shall be vented using good engineering practice to ensure air contaminants are flushed out of the

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 61

tank through the control device or controlled recovery system to the extent allowed by the storage tank design.

3. A volume of purge gas equivalent to twice the volume of the vapor space under the floating roof must have passed through the control device or into a controlled recovery system, before the vent stream may be sampled to verify acceptable VOC concentration. The measurement of purge gas volume shall not include any make-up air introduced into the control device or recovery system. The VOC sampling and analysis shall be performed as specified in Special Condition No. 92.
 4. The sampling point shall be upstream of the inlet to the control device or controlled recovery system. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the process equipment or vessel being purged.
 5. Degassing must be performed every 24 hours unless there is no standing liquid in the tank or the VOC partial pressure of the remaining liquid in the tank is less than 0.15 psia.
- C. The tank shall not be opened or ventilated without control, except as allowed by (1) or (2) below until one of the criteria in part D of this condition is satisfied.
1. Minimize air circulation in the tank vapor space.
 - a. One manway may be opened to allow access to the tank to remove or de-volatilize the remaining liquid. Other manways or access points may be opened as necessary to remove or de-volatilize the remaining liquid. Wind barriers shall be installed at all open manways and access points to minimize air flow through the tank.
 - b. Access points shall be closed when not in use.
 2. Minimize time and VOC partial pressure.
 - a. The VOC partial pressure of the liquid remaining in the tank shall not exceed 0.044 psi as documented by the method specified in part D(1) of this condition;
 - b. Blowers may be used to move air through the tank without emission control at a rate not to exceed 17,000 cfm for no more than 168

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 62

hours. All standing liquid shall be removed from the tank during this period.

- c. Records shall be maintained of the blower circulation rate, the duration of uncontrolled ventilation, and the date and time all standing liquid was removed from the tank.
- D. The tank may be opened without restriction and ventilated without control, after all standing liquid has been removed from the tank or the liquid remaining in the tank has a VOC partial pressure less than 0.02 psia. These criteria shall be demonstrated in any one of the following ways.
1. Low VOC partial pressure liquid that is soluble with the liquid previously stored may be added to the tank to lower the VOC partial pressure of the liquid mixture remaining in the tank to less than 0.02 psia. This liquid shall be added during tank degassing if practicable. The estimated volume of liquid remaining in the drained tank and the volume and type of liquid added shall be recorded. The liquid VOC partial pressure may be estimated based on this information and engineering calculations.
 2. If water is added or sprayed into the tank to remove standing VOC, one of the following must be demonstrated:
 - a. Take a representative sample of the liquid remaining in the tank and verify no visible sheen using the static sheen test from 40 CFR Part 435 Subpart A Appendix 1.
 - b. Take a representative sample of the liquid remaining in the tank and verify hexane soluble VOC concentration is less than 1,000 ppmw using EPA Method 1664 (may also use 8260B or 5030 with 8015 from SW-846).
 - c. Stop ventilation and close the tank for at least 24 hours. When the tank manway is opened after this period, verify VOC concentration is less than 1,000 ppmv through the procedure in Special Condition No. 92.
 3. No standing liquid verified through visual inspection.

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

- E. Tanks shall be refilled as rapidly as practicable until the roof is off its legs with the following exceptions:

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 63

1. Only two tanks with a landed floating roof can be filled at any time at a rate not to exceed 100,000 bbl/hr.
 2. The vapor space below the tank roof is directed to a control device when the tank is refilled until the roof is floating on the liquid. The control device used and the method and locations used to connect the control device shall be recorded. All vents from the tank being filled must exit through the control device.
- F. The occurrence of each roof landing and the associated emissions shall be recorded and the rolling 12-month tank roof landing emissions shall be updated on a monthly basis.

These records shall include at least the following information:

1. the identification of the tank and emission point number, and any control devices or recovery systems used to reduce emissions;
2. the reason for the tank roof landing;
3. for the purpose of estimating emissions, the date, time, and other information specified for each of the following events:
 - a. the roof was initially landed,
 - b. all liquid was pumped from the tank to the extent practical,
 - c. start and completion of controlled degassing, and total volumetric flow,
 - d. all standing liquid was removed from the tank or any transfers of low VOC partial pressure liquid to or from the tank including volumes and vapor pressures to reduce tank liquid VOC partial pressure to <0.02 psi,
 - e. if there is liquid in the tank, VOC partial pressure of liquid, start and completion of uncontrolled degassing, and total volumetric flow,
 - f. refilling commenced, liquid filling the tank, and the volume necessary to float the roof; and
 - g. tank roof off supporting legs, floating on liquid;

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 64

4. the estimated quantity of each air contaminant, or mixture of air contaminants, emitted between events c and g with the data and methods used to determine it. The emissions associated with roof landing activities shall be calculated using the methods described in § 7.1.3.2 of AP-42 "Compilation of Air Pollution Emission Factors, Chapter 7 - Storage of Organic Liquids" dated November 2006 and the permit application.
95. Fixed-roof storage tanks are subject to the requirements of Special Condition No. 94C and D. If the ventilation of the vapor space is controlled, the emission control system shall meet the requirements of Special Condition No. 94B (1) through (4). Records shall be maintained per Special Condition No. 94F (3c) through 94F (3e), and 94F (4).
 96. The following requirements apply to vacuum and air mover truck operations to support planned MSS at this site:
 - A. Vacuum pumps and blowers shall not be operated on trucks containing or vacuuming liquids with VOC true vapor pressure greater than 0.50 psi at 95F unless the vacuum/blower exhaust is routed to a control device or a controlled recovery system.
 - B. Equip fill line intake with a "duckbill" or equivalent attachment if the hose end cannot be submerged in the liquid being collected.
 - C. A daily record containing the information identified below is required for each vacuum truck in operation at the site each day.
 1. Prior to initial use, identify any liquid in the truck. Record the liquid level and document that the VOC true vapor pressure is less than 0.50 psi if the vacuum exhaust is not routed to a control device or a controlled recovery system. After each liquid transfer, identify the liquid transferred and document that the VOC true vapor pressure is less than 0.50 psi if the vacuum exhaust is not routed to a control device or a controlled recovery system.
 2. For each liquid transfer made with the vacuum operating, record the duration of any periods when air may have been entrained with the liquid transfer. The reason for operating in this manner and whether a "duckbill" or equivalent was used shall be recorded. Short, incidental periods, such as those necessary to walk from the truck to the fill line intake, do not need to be documented.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 65

3. If the vacuum truck exhaust is controlled with a control device other than an engine or oxidizer, VOC exhaust concentration upon commencing each transfer, at the end of each transfer, and as required by Special Condition No. 100, measured using an instrument meeting the requirements of MSS Special Condition No. 92.
 4. The volume in the vacuum truck at the end of the day, or the volume unloaded, as applicable.
- D. The permit holder shall determine the vacuum truck emissions each month using the daily vacuum truck records and the calculation methods utilized in the permit application. If records of the volume of liquid transferred for each pick-up are not maintained, the emissions shall be determined using the physical properties of the liquid vacuumed with the greatest potential emissions. Rolling 12-month vacuum truck emissions shall also be determined on a monthly basis.
- E. If the VOC true vapor pressure of all the liquids vacuumed into the truck is less than 0.10 psi, this shall be recorded when the truck is unloaded or leaves the plant site and the emissions may be estimated as the maximum potential to emit for a truck in that service as documented in the permit application. The recordkeeping requirements in MSS Special Condition No. 96A through D do not apply.
97. The following requirements apply to frac, or temporary, tanks and vessels used in support of MSS activities.
- A. Except for labels, logos, etc. not to exceed 15% of the tank/vessel total surface area, the exterior surfaces of these tanks/vessels that are exposed to the sun shall be white or aluminum effective May 1, 2013. This requirement does not apply to tanks/vessels that only vent to atmosphere when being filled.
 - B. These tanks/vessels must be covered and equipped with fill pipes that discharge within 6 inches of the tank/vessel bottom.
 - C. These requirements do not apply to vessels storing less than 25 barrels of liquid that are closed such that the vessel does not vent to atmosphere.
 - D. The permit holder shall maintain an emissions record which includes calculated emissions of VOC from all frac tanks during the previous calendar month and the past consecutive 12-month period. The record shall include tank identification number, dates put into and removed from service, control method used, tank capacity and volume of liquid stored in gallons, name of the material stored, VOC molecular weight, and VOC true vapor pressure at

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 66

- the estimated monthly average material temperature in psia. Filling emissions for tanks shall be calculated using the TCEQ publication titled "Technical Guidance Package for Chemical Sources - Loading Operations" and standing emissions determined using: the TCEQ publication titled "Technical Guidance Package for Chemical Sources - Storage Tanks."
- E. If the tank/vessel is used to store liquid with VOC true vapor pressure less than 0.10 psi at 95°F, records may be limited to the days the tank is in service and the liquid stored. Emissions may be estimated based upon the potential to emit as identified in the permit application.
98. The MSS activities represented in the permit application may be authorized under permit by rule only if the procedures, emission controls, monitoring, and recordkeeping are the same as those required by this permit.
99. All permanent facilities must comply with all operating requirements, limits, and representations in the permits identified in Attachment D during planned startup and shutdown unless alternate requirements and limits are identified in this permit. Alternate requirements for emissions from routine emission points are identified below:
- A. Combustion units, with the exception of flares, at this site are exempt from NO_x, CO, and NH₃ (for sources equipped with an SCR) operating requirements identified in special conditions in other NSR permits during planned startup and shutdown if the following criteria are satisfied.
1. The maximum allowable emission rates in the permit authorizing the facility are not exceeded.
 2. The startup period does not exceed 8 hours in duration and the firing rate does not exceed 75 percent of the design firing rate. The time it takes to complete the shutdown does not exceed 4 hours.
 3. Control devices are started and operating properly when venting a waste gas stream.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 67

- B. The limits identified below apply to the operations of the specified facilities during start-up and shutdown.

| <u>EPN</u> | <u>Source Name</u> | <u>Pollutant</u> | <u>Limit</u> | <u>Duration</u> |
|------------|--------------------|------------------|--------------|-----------------|
| EG-001 | FCCU | NO _x | 512 ppmv | 72 hrs |
| | | CO | 1,012 ppmv | 72 hrs |
| | | SO ₂ | 256 ppmv | 72 hrs |
| EG-18-1403 | SRU TGI No. 3 | SO ₂ | 512 ppmv | 48 hrs |
| EG-193 | SRU TGI No. 2 | SO ₂ | 512 ppmv | 48 hrs |

- C. A record shall be maintained indicating that the start and end times for each of the activities identified above occur and documentation that the requirements for each have been satisfied.

100. 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.

A. Carbon Adsorption System (CAS).

1. The CAS shall consist of two carbon canisters in series with adequate carbon supply for the emission control operation.
2. The CAS shall be sampled down stream on the first can and the concentration recorded at least once every hour of CAS run time to determine breakthrough of the VOC. The sampling frequency may be extended using either of the following methods:
 - a. CAS systems equipped with an upstream liquid scrubber may be sampled once every 12 hours of CAS run time to determine breakthrough.
 - b. Sampling frequency 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.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 68

- c. The carbon sampling frequency may be extended to longer periods based on previous experience with carbon control of a MSS waste gas stream. The past experience must be with the same VOC, type of facility, and MSS activity. The basis for the sampling frequency shall be recorded. If 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.
3. The method of VOC sampling and analysis shall be by detector meeting the requirements of Special Condition No. 92.
4. Breakthrough is defined as the highest measured VOC or benzene concentration at or exceeding 100 ppmv or 5 ppmv, respectively, above background. When the condition of breakthrough of VOC from the initial saturation canister occurs, the waste gas flow shall be switched to the second canister and a fresh canister shall be placed as the new final polishing canister within twenty-four hours. In lieu of replacing canisters, the flow of waste gas may be discontinued until the canisters are switched. 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.
5. Records of CAS monitoring shall include the following:
 - a. Sample time and date.
 - b. Monitoring results (ppmv).
 - c. Canister replacement log.
6. Single canister systems are allowed if the time the carbon canister is in service is limited to no more than 30% of the minimum potential saturation time. 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.
7. Liquid scrubbers may be used upstream of carbon canisters to enhance VOC capture provided such systems are closed systems and the spent absorbing solution is discharged into a closed container, vessel, or system.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 69

B. Single Carbon Adsorption or Scrubber System

As an alternative to the requirements in paragraph A(6). and A(7). a single liquid scrubbing or single carbon adsorption system may be used as a sole control device if the requirements below are satisfied.

1. The exhaust to atmosphere shall be continuously monitored with a CEM. The VOC concentration shall be recorded at least once every 15 minutes when waste gas is directed to the CAS or scrubber.
2. The method of VOC sampling and analysis shall be by detector meeting the requirements of Special Condition 92 except 92.C.
3. An alarm shall be installed such that an operator is alerted when outlet VOC concentration exceeds 100 ppmv above background and 2% of the system inlet concentration. Monitoring shall be performed upstream of the carbon can to demonstrate collection efficiency. 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.

C. Thermal Oxidizer.

1. 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 fire box while waste gas is being fed into the oxidizer.
2. 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 Celsius or $\pm 2.5^{\circ}\text{C}$.
3. As an alternative to Special Condition No. 100C (1) the thermal oxidizer may be tested to confirm a minimum 99 weight percent destruction efficiency. The results of the test will be used to determine the minimum operating temperature and residence time. Stack Test must have been

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 70

performed within the last 12 months. Stack VOC concentrations and flow rates shall be measured in accordance with applicable EPA Reference Methods. A copy of the test report shall be maintained with the thermal oxidizer and a summary of the testing results shall be included with the emission calculations.

4. As an alternative to Special Condition No. 100C(1)-(2), the thermal oxidizer may be equipped with continuous VOC monitors (inlet and outlet). The VOC monitors shall be calibrated and maintained according to Special Condition No. 92, except 92C. 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.

D. Internal Combustion Engine.

1. The internal combustion engine shall have a VOC destruction efficiency of at least 99 percent.
2. The engine must have been stack tested with butane or propane to confirm the required destruction efficiency within the past 12 months. VOC shall be measured in accordance with the applicable EPA Reference Method during the stack test and the exhaust flow rate may be determined from measured fuel flow rate and measured oxygen concentration. A copy of the stack test report shall be maintained with the engine. There shall also be documentation of acceptable VOC emissions following each occurrence of engine maintenance which may reasonably be expected to increase emissions including oxygen sensor replacement and catalyst cleaning or replacement. Stain tube indicators specifically designed to measure VOC concentration shall be acceptable for this documentation, provided a hot air probe or equivalent device is used to prevent error due to high stack temperature, and three sets of concentration measurements are made and averaged. Portable VOC analyzers meeting the requirements of Special Condition No. 92 are also acceptable for this documentation
3. The engine shall be operated and monitored in accordance with either a or b below.
 - a. The engine shall be operated with an oxygen sensor-based air-to-fuel ratio (AFR) controller. Documentation for each AFR controller that the manufacturer's, or supplier's recommended maintenance

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 71

has been performed, including replacement of the oxygen sensor as necessary for oxygen sensor-based controllers shall be maintained with the engine. The oxygen sensor shall be replaced at least quarterly in the absence of a specific written recommendation.

- b. The engine exhaust to atmosphere shall be monitored continuously and the VOC concentration recorded at least once every 15 minutes when waste gas is directed to the engine. The method of VOC sampling and analysis shall be by detector meeting the requirements of Special Condition No. 92A. 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.

E. The Plant Flare System:

1. The heating value and velocity requirements in 40 CFR § 60.18 shall be satisfied during operations authorized by this permit.
2. 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 thermal couple or an infrared monitor. The time, date, and duration of any loss of pilot flame shall be recorded. Each monitoring device shall be accurate to, and shall be calibrated at a frequency in accordance with, the manufacturer's specifications.
3. Each flare shall be equipped with one of the following:
 - a. Operation and maintenance of a flare gas recovery system to be installed by April 30, 2009.
 - b. A continuous flow monitor and composition analyzer that provides a record of the flare gas flow and composition of either the total VOC or heating value of the flare gas.

The flow monitor and analyzer sample point shall be installed as near as possible to the flare inlet such that the total vent stream to the flare is measured and analyzed. Readings shall be taken at least once every 15 minutes and the average hourly values of the flow and composition shall be recorded each hour. The flow monitors shall be calibrated on an annual basis to meet the following accuracy

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 72

specifications: the flow monitor must be calibrated to manufacturer's specifications; the temperature monitor must be calibrated to within $\pm 2.0\%$ at absolute temperature; the pressure monitor must be calibrated to within ± 5.0 mmHg.

- i. If VOC monitoring is chosen: 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 § 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 § 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 § 7.1 of Performance Specification 9. 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).
- ii. If heating value is chosen: The calorimeter shall be calibrated, installed, operated, and maintained, in accordance with manufacturer recommendations, to continuously measure and record the net heating value of the gas sent to the flare, in British thermal units/standard cubic foot of the gas.

F. A Closed Loop Refrigerated Vapor Recovery System

1. The vapor recovery system shall be installed on the facility to be degassed using good engineering practice to ensure air contaminants are flushed from the facility through the refrigerated vapor condensers and back to the facility being degassed. The vapor recovery system and facility being degassed shall be enclosed except as necessary to insure structural integrity (such as roof vents on a floating roof tank).
2. VOC concentration in vapor being circulated by the system shall be sampled and recorded at least once every 4 hours at the inlet of the condenser unit with an instrument meeting the requirements of Special Condition No. 92.
3. The quantity of liquid recovered from the tank vapors and the tank pressure shall be monitored and recorded each hour. The liquid

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 73

recovered must increase with each reading and the tank pressure shall not exceed one inch water pressure while the system is operating.

- G. Other control devices approved by the TCEQ through a permit amendment application or a pollution control permit application.

101. The following requirements apply to capture systems for the plant flare system.

- A. Either conduct a once a month visual, audible, and/or olfactory inspection of the capture system to verify there are no leaking components in the capture system; or verify the capture system is leak-free by inspecting in accordance with 40 CFR Part 60, Appendix A, Test Method 21 once a year. Leaks shall be indicated by an instrument reading greater than or equal to 500 ppmv above background.
- B. The control device shall not have a bypass.

or

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

1. Install a flow indicator that records and verifies zero flow at least once every 15 minutes immediately downstream of each valve that if opened would allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere; or
2. Once a month, inspect the valves, verifying 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.

- C. If any of the above inspections is 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.

102. If spray guns are used to apply paint, they shall be airless, high volume low pressure (HVLP), or have the same or higher transfer efficiency as airless or HVLP spray guns.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 74

103. Emissions from all painting activities, except for minor painting identified in Attachment A to this permit, at this site must satisfy the criteria below. New compounds may also be added through the use of the procedure below.
- A. Short-term (pounds per hour [lb/hr]) and annual (TPY) emissions shall be determined for each chemical in the paint as documented in the permit application. The calculated emission rate shall not exceed the maximum allowable emissions rate at any emission point.
 - B. The Effect Screening Level (ESL) for the material shall be obtained from the current TCEQ ESL list or by written request to the TCEQ Toxicology Division.
 - C. The total painting emissions of any compound must satisfy one of the following conditions:
 - 1. The total emission rate is less than 0.1 lb/hr and the ESL greater than or equal to 2 ug/m³; or
 - 2. The emission rate of the compound in pounds per hour is less than the ESL for the compound divided by 609 ($ER < ESL/609$).
 - D. The permit holder shall maintain records of the information below and the demonstrations in steps A through C above. The following documentation is required for each compound:
 - 1. Chemical name(s), composition, and chemical abstract registry number if available.
 - 2. Material Safety Data Sheet.
 - 3. Maximum concentration of the chemical in weight percent
 - 4. Paint usage and the associated emissions shall be recorded each month and the rolling 12 month total emissions updated.
104. No visible emissions shall leave the property due to painting or abrasive blasting.
105. Black Beauty and Garnet Sand may be used for abrasive blasting. The permit holder may also use blast media that meet the criteria below:
- A. The media shall not contain asbestos or greater than 1.0 weight percent crystalline silica.

SPECIAL CONDITIONS

Permit Numbers 39142 and PSDTX822M2

Page 75

- B. The weight fraction of any metal in the blast media with a short term effects screening level (ESL) less than 50 micrograms per cubic meter as identified in the most recently published TCEQ ESL list shall not exceed the $ESL_{\text{metal}}/603$.
- C. The MSDS for each media used shall be maintained on-site.

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

- 106. 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 Special Condition Nos. 90 through 105 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.

Additional Requirement

- 107. Non-flanged connectors will be added through amendment number 150612 that is currently being reviewed by the TCEQ APD. **(Completed)**
- 108. The following sources and/or activities are authorized under a Standard Permit (SP) by Title 30 Texas Administrative Code Chapter 116 (30 TAC Chapter 116). These lists are not intended to be all inclusive and can be altered without modifications to this permit. **(05/13)**

| Registration | Source or Activity |
|--------------|-------------------------------------------------------------------------------------------------------------------------|
| SP No. 91499 | Boiler EPNs Boiler 32 and Boiler 33, associated fugitive emissions, and Maintenance, Start-up, and Shutdown activities. |

Dated February 19, 2014

ATTACHMENT A

Permit Numbers 39142 and PSDTX822M2

Inherently Low Emitting Activities

| Activity | Emissions | | | | |
|--------------------------------------------------------------------------------------------------|-----------|-----------------|----|----|----------------------------------|
| | VOC | NO _x | CO | PM | H ₂ S/SO ₂ |
| Inspection, repair, and replacement of analyzer filters/screens | x | | | | |
| Inspection, repair, and replacement of process filters/screens | x | | | | |
| Inspection, repair, replacement, adjustment, testing, and calibration of CEMS analyzers | | x | x | | x |
| Inspection, repair, replacement, adjustment, testing, and calibration of process instrumentation | x | | | | |
| Carbon canister inspection, repair, and replacement (valve disconnect) | x | | | | |
| Catalyst replacement | x | | | | |
| Tank seal inspections and other tank inspection activities | x | | | | |
| Water washing empty drums, totes, and misc. small equipment | x | | | | |
| Meter proving | x | | | | |
| Adhesives application | x | | | | |
| Sample collection | x | | | | |
| Cold solvent degreaser | x | | | | |
| Insulation/refractory handling | | | | x | |
| Combinations of the above | x | x | x | x | x |
| | | | | | |
| | | | | | |
| | | | | | |

Dated November 4, 2011

ATTACHMENT B

Permit Numbers 39142 and PSDTX822M2

Routine Maintenance Activities

Planned MSS activities performed with work orders where the isolated system volume is less than 30 cubic feet. These include activities such as: pump, compressor, vessel, exchanger, combustion source, boiler inspection, repair, replacement, valve and piping maintenance/replacement not included in Attachment A

Pipeline pigging, compressor maintenance, maintenance on light liquid pumps where purged to slop or flare, maintenance on heavy liquid pumps where purged to slop or flare, maintenance on heavy liquid pumps where purged to open containers

Dated November 4, 2011

ATTACHMENT C

Permit Numbers 39142 and PSDTX822M2

MSS Activity Summary

| Facilities | Description | Emissions Activity |
|---------------------------------|-------------------------------------------------------------------------------------|------------------------------------------|
| all process heaters and boilers | heater, boiler, and/or SCR shutdown, startup, refractory curing, and/or maintenance | vent to atmosphere |
| all process units | process unit and/or individual equipment shutdown/depressurize/drain | vent to flare |
| all process units | process unit and/or individual equipment purge/degas/drain/clean | vent to atmosphere |
| all process units | process unit and/or individual equipment process unit startup | vent to flare |
| all process vents | shutdown, startup, and/or maintenance | vent to atmosphere |
| all vacuum or air mover trucks | various maintenance activities | vent to control device and/or atmosphere |
| all frac or temporary tanks | various maintenance activities | vent to control device and/or atmosphere |
| all process units and tanks | preparation for facility/component repair/replacement | vent to flare and/or equivalent control |
| all process units and tanks | preparation for facility/component repair/replacement | vent to atmosphere |
| all process units and tanks | including but not limited to: recovery from facility/component repair/replacement | vent to flare and/or equivalent control |
| all process units and tanks | recovery from facility / component repair/replacement | vent to atmosphere |
| all process units and tanks | preparation for unit turnaround or facility/component repair/replacement | remove liquid |
| all production-related | all production related refinery facilities | Painting |
| all floating roof tanks | tank roof landing | operation with landed roof |
| all floating roof tanks | degas of tank with landed roof | controlled degassing |
| all tanks | tank cleaning | cleaning activity and solvents |
| see Attachment A | miscellaneous low emitting activities | see Attachment A |
| all production-related | abrasive blasting | PM from blasting media |

Dated November 4, 2011

ATTACHMENT D

Permit Numbers 39142 and PSDTX822M2

Facility List

COMBUSTION SOURCES

| EPN | SOURCE NAME |
|----------------|----------------------------------|
| EB-18 | Boiler No. 18 |
| EB-26 | Boiler No. 26 |
| EB-27 | Boiler No. 27 |
| EB-34 | Boiler No. 34 |
| EG-001 | FCCU Pre-Heater No. 15 |
| EH-16 / 17 | Crude No. 3 Heater No. 16 and 17 |
| EH-REF2 | Reformer No. 2 Heater No. 18 |
| EH-REF2 | Reformer No. 2 Heater No. 19 |
| EH-REF2 | Reformer No. 2 Heater No. 20 |
| EH-REF2 | Reformer No. 2 Heater No. 21 |
| EH-REF2 | Reformer No. 2 Heater No. 22 |
| EH-REF2 | Reformer No. 2 Heater No. 23 |
| EH-27 | FCCU Pre-Heater No. 27 |
| EH-28 | Alkylation Heater No. 28 |
| EH-29 | RVDU Vacuum Tower Charge Heater |
| EH-31 / 32 | MDHT Heater No. 31/32 |
| EH-34 and A-76 | Vacuum Tower Charge Heater |
| EH-35 | Penex Isom. Charge Heater |
| EH-57 | Coker Heater No. 57 |
| EH-58 | Coker Heater No. 58 |
| EH-50 | DHDS Heater |
| EH-13-1480 | GOHT Feed Prep. Heater |
| EH-13-1401 | GOHT Hydrotreater Furnace - T1 |
| EH-13-1451 | GOHT Hydrotreater Furnace - T2 |

(Dated January 10, 2013)

COMBUSTION SOURCES

| EPN | SOURCE NAME |
|------------|-------------------------------------|
| EH-13-1421 | GOHT Fractionator Heater |
| EH-44 | ROSE Heater |
| EH-45 | Toppers Heater No. 45 |
| EH-46 | Toppers Heater No. 46 |
| EH-60 | Low Sulfur Gasoline Reboiler Heater |
| FRAC | Refractory Curing |

**STORAGE
TANKS**

| EPN | SOURCE NAME |
|------------|--------------------|
| 069 | Tank 069 |
| EG-193 | Tank 070 |
| 088 | Tank 088 |
| 094 | Tank 094 |
| 095 | Tank 095 |
| 100 | Tank 100 |
| 101 | Tank 101 |
| 115 | Tank 115 |
| 116 | Tank 116 |
| 117 | Tank 117 |
| 118 | Tank 118 |
| 303 | Tank 303 |
| 307 | Tank 307 |
| 316 | Tank 316 |
| 320 | Tank 320 |
| 321 | Tank 321 |

**STORAGE
TANKS**

| EPN | SOURCE NAME |
|------------|--------------------------|
| 322 | Tank 322 |
| 323 | Tank 323 |
| 324 | Tank 324 |
| 325 | Tank 325 |
| 326 | Tank 326 |
| 327 | Tank 327 |
| 330 | Tank 330 |
| 335 | Tank 335 |
| 336 | Tank 336 |
| 337 | Tank 337 |
| 424 | Tank 424 |
| 428 | Tank 428 |
| 436 | Tank 436 Stormwater Tank |
| 437 | Tank 437 |
| 438 | Tank 438 |
| 444 | Tank 444 |
| 445 | Tank 445 |
| 446 | Tank 446 |
| 451 | Tank 451 |
| 461 | Tank 461 |
| 464 | Tank 464 |
| 477 | Tank 477 |
| 478 | Tank 478 |
| 479 | Tank 479 |
| 481 | Tank 481 |
| 482 | Tank 482 |
| 486 | Tank 486 |

**STORAGE
TANKS**

| EPN | SOURCE NAME |
|------------|--------------------------------|
| 489 | Tank 489 |
| 490 | Tank 490 |
| 491 | Tank 491 |
| 499 | Tank 499 |
| 519 | Tank 519 |
| 520 | Tank 520 |
| 538 | LPG Bullet Tank |
| 539 | LPG Bullet Tank |
| 540 | Asphalt Tank |
| 543 | Decoking Water Tank |
| 546 | Coker Unit Sludge Holding Tank |
| 547 | Tank 547 |
| 548 | Tank 548 |
| 558 | Tank 558 |
| 559 | Tank 559 |
| 561 | Tank 561 |
| 563 | Tank 563 |
| 565 | Tank 565 |
| 568 | Tank 568 |
| 569 | Tank 569 |
| 572 | Tank 572 |
| 577 | Tank 577 |
| 581 | Tank 581 |
| 582 | Tank 582 |
| 583 | Tank 583 |
| 594 | Tank 594 |
| 15-1902 | Tank 15-1902 |
| 15-1904 | Tank 15-1904 |

**STORAGE
TANKS**

| EPN | SOURCE NAME |
|-------------------------|--------------------------------------------|
| 16-1902 | Tank 16-1902 |
| T-16-1922 | Sour Water Tank Associated with Coker Unit |
| Aqueous Ammonia Tank | Aqueous Ammonia Tanks associated with SCR |

FUGITIVE EQUIPMENT

| EPN | SOURCE NAME |
|------------|---------------------------------------|
| F-01 | Nos. 1 and 2 Crude (Toppers) |
| F-02 | FCCU (including Feed Preheater) |
| F-07 | Alkylation Unit |
| F-10 | Amine Unit |
| F-11 | SRU Complex (including TGU No. 2) |
| F-15 | No. 3 Crude Unit |
| F-17 | No. 2 Reformer Unit |
| F-27 | Sats Gas Unit |
| F-28 | PP Unit/Tank Farm/Truck Loading |
| F-29 | RVDU |
| F-31 | MDHT Unit |
| F-33 | Tank Farms Nos. 1, 2, and 3 |
| F-35 | Utilities Unit |
| F-36 | DHT Unit |
| F-40 | Penex Isomerization Unit |
| F-41 | Flares No. 1-4 |
| F-45 | Marine Loading Docks |
| F-47 | Wastewater System |
| F-48 | Mainten. Degreasing Operations |
| F-49 | Mainten. Degreasing Operations |
| F-50 | Warehouse Degreasing Operations |
| F-52 | ROSE/Residfiner Process and SRU Units |
| F-54 | Coke Pad/Storage PM Fugitives |

FUGITIVE EQUIPMENT

| | |
|------|----------------------------|
| F-55 | Coke Crusher PM Fugitives |
| F-56 | Coke Conveyor PM Fugitives |

| EPN | SOURCE NAME |
|------------|------------------------------------|
| F-57 | Coker Unit VOC Fugitives |
| F-61 | Low Sulfur Gasoline Unit Fugitives |
| F-62 | LPG Recovery Unit |

PRODUCT LOADING

| EPN | SOURCE NAME |
|------------|---------------------------------|
| Edock-16 | Barge and Ship Loading Dock 16 |
| Edock-20B | Barge and Ship Loading Dock 20B |
| Edock-22 | Barge and Ship Loading Dock 22 |
| Edock-56 | Barge and Ship Loading Dock 56 |
| Edock-57 | Barge and Ship Loading Dock 57 |
| E-MVDU-01 | Marine Vapor Destruction Unit |

PROCESS VENTS

| EPN | SOURCE NAME |
|------------|-------------------------|
| EG-001 | FCCU Regenerator Vent |
| EVC-50 | No. 2 Reformer CCR Vent |
| EG-193 | SRU/TGI No. 2 Vent |
| EG-18-1403 | SRU/TGI No. 3 Vent |

COOLING TOWERS

| EPN | SOURCE NAME |
|------------|--------------------------------|
| CT-1 | Cooling Water Tower No. 1 |
| CT-3 | Cooling Water Tower No. 3 |
| CT-4 | Cooling Water Tower No. 4 |
| CT-5 | Cooling Water Tower No. 5 |
| CT-6 | Cooling Water Tower No. 6 |
| CT-7 | Cooling Water Tower No. 7 |
| CT-8 | Cooling Water Tower No. 8 |
| CT-9 | Expansion Cooling Tower No. 9 |
| CT-10 | Expansion Cooling Tower No. 10 |

WASTEWATER

| EPN | SOURCE NAME |
|------------|-----------------------------|
| WWTU-A | Wastewater Treatment System |
| 078 | Wastewater Tank 078 |
| 092 | Wastewater Tank 092 |
| 096 | Wastewater Tank 096 |
| SWLS | Storm Water Lift Station |
| PLS | Process Lift Station |
| API | API Separator |

FLARES

| EPN | SOURCE NAME |
|------------|--------------------|
| EFL-01 | No. 1 Flare |
| EFL-02 | No. 2 Flare |
| EFL-03 | No. 3 Flare |
| EFL-04 | No. 4 Flare |
| EFL-05 | No. 5 Flare |

SLUDGE LOADING

| EPN | SOURCE NAME |
|------------|----------------------------------------------|
| P-63 | Vacuum Truck Loading of Sludge (1/05) |

MISCELLANEOUS SOURCES

| EPN | SOURCE NAME |
|------------|-----------------------------------------------|
| VACS_HL | Vacuum Truck Splash Loading (HL) |
| VACS_WTP | Vacuum Truck Splash Loading (WWTP) |
| VACS_LL | Vacuum Truck Splash Loading (LL) |
| SLAB1 | Vacuum Truck Cleaning (HL) |
| SLAB2 | Vacuum Truck Cleaning (Mixture) |
| SLAB3 | Vacuum Truck Cleaning (LL) |
| F62_VTHL | Vacuum Truck Cleaning (HL) |
| EPN | SOURCE NAME |
| F62_VTMX | Vacuum Truck Cleaning (Mixture) |
| F62_VTLL | Vacuum Truck Cleaning (LL) |
| FRAC_HL | Frac Tank Emissions (HL) |
| FRAC_MIX | Frac Tank Emissions (Mixture) |
| FRAC_LL | Frac Tank Emissions (LL) |
| SLAB4 | Frac Tank Cleaning (HL) |
| SLAB5 | Frac Tank Cleaning (Mixture) |
| SLAB6 | Frac Tank Cleaning (LL) |
| SLAB7 | Stockpile Load-in, Load-out |
| SLAB8 | Stockpile Transport |
| SLAB9 | Stockpile Wind Erosion |
| SLAB10 | Stockpile Evaporation |
| PUMP1 | Pump Opening (Light Liquid) |
| PUMP2 | Pump Opening (Heavy Liquid) |
| HE_HL_2S | Heat Exchanger Opening 2-sided (Heavy Liquid) |
| HE_HL_1S | Heat Exchanger Opening 1-sided (Heavy Liquid) |
| HE_HL_FF | Heat Exchanger Opening Fin Fan (Heavy Liquid) |
| CWT | Temporary Cooling Tower |

MISCELLANEOUS SOURCES

| | |
|----------|--------------------------|
| NCIN1 | Temporary Incinerator 1 |
| NCIN2 | Temporary Incinerator 2 |
| ENG1 | Temporary Engine |
| Boiler 1 | Temporary Boiler |
| Boiler 2 | Temporary Boiler |
| Boiler 3 | Temporary Boiler |
| AERO | Aerosol Paint |
| CHEM | Chemical Usage |
| NPNT | Non-aerosol Paint |
| SAND | Abrasive Blasting |
| WELD | Welding |
| INS | Insignificant Activities |

Dated February 19, 2014

Emission Sources - Maximum Allowable Emission Rates

Permit Number 39142 and PSDTX822M2

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) |
| Emission Caps (7) | | | | |
| | Combustion Units, Tanks, Process Vents, Loading, Flares, Fugitives (5), Wastewater, and Cooling Towers (5), and Coker Unit | SO ₂ | 980.06 | 1446.30 |
| | | NO _x (8) | 343.19 | 1180.71 |
| | | CO | 1248.30 | 2590.61 |
| | | VOC | 2681.86 | 1151.13 |
| | | VOC (15) | 2663.63 | 1096.46 |
| | | Benzene(12) | 43.42 | 8.29 |
| | | PM | 114.54 | 456.98 |
| Maintenance, Startup, and Shutdown (MSS) Caps and Subcaps (9) | | | | |
| | See Attachment C | CO | 3,324.00 | 93.36 |
| | | NO _x | 1,752.00 | 75.87 |
| | | VOC | 5,167.00 | 155.3 |
| | | SO ₂ | 5,744.00 | 101.10 |
| | | H ₂ S | 101.00 | 1.40 |
| | | PM | 149.00 | 13.86 |
| | | Benzene(12) | 69.14 | 1.44 |
| | | HCl | 0.26 | 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) |
| EB-18 | Boiler No. 18 | NO _x | 13.67 | 38.49 |
| | | CO | 22.28 | 25.45 |
| | | VOC | 1.39 | 4.39 |
| | | SO ₂ | 7.46 | 10.75 |
| | | PM | 1.83 | 5.15 |
| EB-26 | Boiler No. 26 | NO _x | 4.32 | 12.92 |
| | | CO | 16.06 | 42.65 |
| | | VOC | 2.33 | 6.97 |
| | | SO ₂ | 11.80 | 13.07 |
| | | PM | 3.22 | 9.39 |
| EB-27 | Boiler No. 27 | NO _x | 3.72 | 12.92 |
| | | CO | 16.28 | 38.09 |
| | | VOC | 2.01 | 6.97 |
| | | SO ₂ | 10.16 | 13.07 |
| | | PM | 2.77 | 8.32 |
| EB-34 | Boiler No. 34 | NO _x | 3.60 | 15.77 |
| | | CO | 13.10 | 57.38 |
| | | VOC | 2.01 | 8.80 |
| | | SO ₂ | 9.80 | 15.89 |
| | | PM/PM ₁₀ /PM _{2.5} | 2.78 | 11.75 |
| EB-34 MSS | Boiler 34 MSS | NO _x | 36.00 | 0.65 |
| | | CO | 131.00 | 2.36 |

Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|---------------------------|------------------------------------|-----------------------------|----------------|---------|
| | | | lbs/hour | TPY (4) |
| EH-13-1401 | GOHT. Hydrotreater Furnace – T1 | NO _x | 5.91 | 14.22 |
| | | CO | 15.81 | 15.93 |
| | | VOC | 0.39 | 0.80 |
| | | SO ₂ | 2.69 | 4.36 |
| | | PM | 0.50 | 1.42 |
| EH-13-1421 | GOHT. Fractionator Heater | NO _x | 8.78 | 24.24 |
| | | CO | 9.22 | 11.88 |
| | | VOC | 0.56 | 1.19 |
| | | SO ₂ | 3.43 | 3.91 |
| | | PM | 0.73 | 2.37 |
| EH-13-1451 | GOHT. Hydrotreater Furnace – T2 | NO _x | 6.90 | 13.25 |
| | | CO | 16.89 | 25.86 |
| | | VOC | 0.48 | 0.87 |
| | | SO ₂ | 2.69 | 4.36 |
| | | PM | 0.62 | 1.34 |
| EH-13-1480 | GOHT. Feed Prep Heater 1480 | NO _x | 8.31 | 36.38 |
| | | CO | 26.38 | 115.56 |
| | | VOC | 0.87 | 2.31 |
| | | SO ₂ | 3.78 | 5.00 |
| | | PM | 1.03 | 3.14 |

Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|---------------------------|-------------------------------------|-----------------------------|----------------|---------|
| | | | lbs/hour | TPY (4) |
| EH-15 | FCCU Pre-Heater No. 15 | NO _x | 10.29 | 41.16 |
| | | CO | 9.52 | 36.42 |
| | | VOC | 0.57 | 1.89 |
| | | SO ₂ | 2.87 | 3.26 |
| | | PM | 0.78 | 2.61 |
| EH-16/17 | Crude No. 3 Heater Nos. 16/17 | NO _x | 19.58 | 85.78 |
| | | CO | 33.57 | 36.28 |
| | | VOC | 2.09 | 7.97 |
| | | SO ₂ | 11.56 | 18.47 |
| | | PM | 2.89 | 9.44 |
| EH-REF2 | Reformer No. 2 Heater Nos. 18-23 | NO _x | 32.80 | 122.64 |
| | | CO | 28.83 | 48.38 |
| | | VOC | 2.21 | 8.25 |
| | | SO ₂ | 11.22 | 15.50 |
| | | PM | 3.04 | 11.36 |
| EH-27 | FCCU Pre-Heater No. 27 | NO _x | 3.77 | 12.44 |
| | | CO | 3.49 | 3.48 |
| | | VOC | 0.19 | 0.57 |
| | | SO ₂ | 1.05 | 1.05 |
| | | PM | 0.26 | 0.79 |

Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|---------------------------|-------------------------------|-----------------------------|----------------|---------|
| | | | lbs/hour | TPY (4) |
| EH-28 | Alkylation Heater No. 28 | NO _x | 4.55 | 14.10 |
| | | CO | 12.14 | 18.14 |
| | | VOC | 0.72 | 2.56 |
| | | SO ₂ | 3.66 | 5.31 |
| | | PM | 1.00 | 3.70 |
| EH-29 | RVDU Heater | NO _x | 12.33 | 39.90 |
| | | CO | 7.45 | 10.41 |
| | | VOC | 0.38 | 1.68 |
| | | SO ₂ | 2.24 | 3.64 |
| | | PM | 0.61 | 2.31 |
| EH- 31/32 | MDHT Heater Nos. 31/32 | NO _x | 7.09 | 23.62 |
| | | CO | 1.21 | 5.30 |
| | | VOC | 0.27 | 1.18 |
| | | SO ₂ | 1.98 | 3.21 |
| | | PM | 0.42 | 1.24 |
| EH-34 | Vacuum Tower Charge Heater | NO _x | 6.74 | 12.53 |
| | | CO | 14.89 | 12.29 |
| | | VOC | 0.58 | 2.17 |
| | | SO ₂ | 4.48 | 6.52 |
| | | PM | 0.80 | 2.46 |

Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|---------------------------|-----------------------|-----------------------------|----------------|---------|
| | | | lbs/hour | TPY (4) |
| EH-35 | Penex Charge Heater | NO _x | 1.82 | 7.97 |
| | | CO | 1.68 | 1.34 |
| | | VOC | 0.07 | 0.25 |
| | | SO ₂ | 0.51 | 0.64 |
| | | PM | 0.09 | 0.29 |
| EH-44 | ROSE Heater | NO _x | 20.15 | 31.54 |
| | | CO | 45.28 | 30.92 |
| | | VOC | 1.79 | 6.27 |
| | | SO ₂ | 10.54 | 17.10 |
| | | PM | 2.34 | 6.76 |
| EH-45 | Toppers Heater No. 45 | NO _x | 14.02 | 48.68 |
| | | CO | 20.01 | 53.43 |
| | | VOC | 1.74 | 6.29 |
| | | SO ₂ | 9.57 | 15.52 |
| | | PM | 1.60 | 7.01 |

Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|---------------------------|-----------------------|-----------------------------|----------------|---------|
| | | | lbs/hour | TPY (4) |
| EH-46 | Toppers Heater No. 46 | NO _x | 10.55 | 40.23 |
| | | CO | 16.37 | 28.43 |
| | | VOC | 1.21 | 3.82 |
| | | SO ₂ | 7.20 | 11.68 |
| | | PM | 1.98 | 4.84 |
| | | PM ₁₀ | 1.98 | 4.84 |
| | | PM _{2.5} | 1.98 | 4.84 |
| EH-50 | DHT Heater 50 | NO _x | 6.78 | 12.98 |
| | | CO | 10.39 | 10.10 |
| | | VOC | 0.56 | 1.68 |
| | | SO ₂ | 3.37 | 4.90 |
| | | PM | 0.78 | 2.20 |
| EH-57 | Coker Heater No. 57 | NO _x | 8.63 | 11.52 |
| | | CO | 20.11 | 18.25 |
| | | VOC | 0.76 | 3.31 |
| | | SO ₂ | 6.73 | 10.93 |
| | | PM | 1.85 | 8.10 |
| | | PM ₁₀ | 1.85 | 8.10 |
| | | PM _{2.5} | 1.85 | 8.10 |

Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|---------------------------|-------------------------------------|-----------------------------|----------------|---------|
| | | | lbs/hour | TPY (4) |
| EH-58 | Coker Heater No. 58 | NO _x | 8.63 | 12.98 |
| | | CO | 20.11 | 18.62 |
| | | VOC | 0.66 | 2.91 |
| | | SO ₂ | 6.73 | 10.93 |
| | | PM | 1.85 | 8.10 |
| | | PM ₁₀ | 1.85 | 8.10 |
| | | PM _{2.5} | 1.85 | 8.10 |
| EH-60 | Low Sulfur Gasoline Reboiler Heater | NO _x | 4.34 | 9.36 |
| | | CO | 45.03 | 44.30 |
| | | VOC | 0.67 | 2.52 |
| | | SO ₂ | 3.39 | 4.73 |
| | | PM | 0.92 | 3.49 |
| | | PM ₁₀ | 0.92 | 3.49 |
| | | PM _{2.5} | 0.92 | 3.49 |
| | | H ₂ S | <0.01 | 0.03 |
| Combustion Units | Subcaps for Combustion Sources (10) | H ₂ S | 0.83 | 1.32 |
| | | NH ₃ | 12.81 | 53.29 |
| CT-1 | Cooling Tower 1 (5) | VOC | 15.10 | 60.12 |
| | | PM | 36.15 | 79.17 |
| CT-3 | Cooling Tower 3 (5) | VOC | 1.58 | 6.28 |
| | | PM | 2.77 | 6.07 |
| CT-4 | Cooling Tower 4 (5) | VOC | 2.46 | 9.24 |
| | | PM | 4.95 | 10.85 |

Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|--------------------------------------------------|--------------------------------------------|-----------------------------|----------------|---------|
| | | | lbs/hour | TPY (4) |
| CT-5 | Cooling Tower 5 (5) | VOC | 1.59 | 6.21 |
| | | PM | 3.53 | 7.73 |
| CT-6 | Cooling Tower 6 (5) | VOC | 0.81 | 3.24 |
| | | PM | 1.82 | 3.99 |
| CT-8 | Cooling Tower 8 (5) | PM | 5.13 | 11.24 |
| CT-9 | Cooling Tower 9 (5) | VOC | 0.60 | 2.20 |
| | | PM | 8.25 | 18.07 |
| CT-10 | Cooling Tower 10 (5) | VOC | 3.45 | 3.44 |
| | | PM | 10.7 | 23.43 |
| CT-1 to CT-9 | Cooling Towers (5) | H ₂ S | 0.25 | 1.00 |
| EG-001 | FCCU Regenerator Vent | NO _x | 236.41 | 84.90 |
| | | SO ₂ | 329.16 | 67.00 |
| | | CO | 359.81 | 128.00 |
| | | PM | 70.00 | 204.04 |
| | | NH ₃ | 9.08 | 39.48 |
| | | VOC | 18.70 | 50.08 |
| | | HCN | 94.11 | 356.27 |
| EFL-01, EFL-02, EFL-03, EFL-04, and EFL-05 | Flare No. 1 through Flare No. 5 Subcaps | NO _x | 15.92 | 31.56 |
| | | CO | 115.08 | 228.25 |
| | | VOC | 210.27 | 127.65 |
| | | SO ₂ | 54.25 | 25.81 |
| | | H ₂ S | 10.20 | 10.48 |
| | | NH ₃ | 9.73 | 4.19 |

Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------|---------|
| | | | lbs/hour | TPY (4) |
| F-07 | Alkylation Unit Fugitives (5) | HF | 0.18 | 0.81 |
| F-40 | Penex Isomerization Unit Fugitives (5) | CCl ₄ | 0.16 | 0.60 |
| F-01, F-02, F-07, F-10, F-11, F-15, F-17, F-27, F-28, F-29, F-31, F-33, F-35, F-36, F-40, F-41, F-45, F-47, F-52, F-57, F-61, F-62, F-48, F-49, F-50, and F-63 | Fugitives VOC Subcaps (5) | VOC | 123.07 | 538.82 |
| F-54, F-55, and F-56 | Fugitives PM Subcaps | PM | 0.79 | 0.98 |
| FUGH ₂ S | Fugitives H ₂ S Subcap for EPNs F-01, F-02, F-07, F-10, F-11, F-15, F-17, F-27, F-29, F-31, F-33, F-35, F-36, F-40, F-41, F-45, F-47, F-52, F-57, and F-61 | H ₂ S | 2.45 | 10.31 |
| FUGNH ₃ | Fugitives NH ₃ Subcap for EPNs F-01, F-02, F-07, F-10, F-11, F-15, F-17, F-27, F-28, F-29, F-31, F-33, F-35, F-36, F-40, F-41, F-45, F-47, F-52, F-57, and F-61 | NH ₃ | 0.44 | 1.61 |
| EMVDU-01 | Marine Vapor Destruction Unit | VOC(13) | 82.91 | 26.54 |
| | | NO _x | 15.58 | 7.33 |
| | | CO | 31.11 | 14.63 |
| | | PM | 0.84 | 0.40 |
| | | PM ₁₀ | 0.84 | 0.40 |
| | | PM _{2.5} | 0.84 | 0.40 |

Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|----------------------------------------------------------------|-----------------------------------------------|-----------------------------|----------------|---------|
| | | | lbs/hour | TPY (4) |
| EDOCK-20 | Marine Loading Dock | VOC | 237.22 | 77.55 |
| EDOCK-22 | Marine Loading Dock | VOC | 237.22 | 77.55 |
| EDOCK-16 | Marine Loading Dock | VOC | 237.22 | 77.55 |
| EDOCK-56 | Marine Loading Dock | VOC | 237.22 | 77.55 |
| EDOCK-57 | Marine Loading Dock | VOC | 237.22 | 77.55 |
| EMVDU-01, EDOCK-20, EDOCK-22, EDOCK-16, EDOCK-56, and EDOCK-57 | Subcaps for Docks 20, 22, 20B, 16, 56, and 57 | VOC | 1186.10 | 77.55 |
| EVC-50 | Scrubber for No. 2 and 3 Reformers | NO _x | 0.01 | 0.01 |
| | | CO | 0.55 | 2.41 |
| | | SO ₂ | 0.01 | 0.01 |
| | | Cl ₂ | 0.30 | 1.32 |
| | | HCl | 0.11 | 0.49 |
| | | PM | 0.11 | 0.48 |
| | | NH ₃ | 0.30 | 1.32 |
| | | VOC | 0.02 | 0.08 |

Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|---------------------------|----------------------------|-----------------------------|----------------|---------|
| | | | lbs/hour | TPY (4) |
| COKERVENT | Coker Drum Steam Vent (14) | VOC | 57.00 | 31.21 |
| | | PM | 2.95 | 1.62 |
| | | PM ₁₀ | 2.95 | 1.62 |
| | | PM _{2.5} | 2.95 | 1.62 |
| | | H ₂ S | 5.43 | 2.97 |
| | | Benzene (12) | 0.10 | 0.05 |
| EG-193 | SRU/TGI No. 2 Vent | NO _x | 3.88 | -- |
| | | SO ₂ | 47.28 | -- |
| | | CO | 16.40 | -- |
| | | PM | 3.35 | -- |
| | | PM ₁₀ | 3.35 | -- |
| | | PM _{2.5} | 3.35 | -- |
| | | VOC | 0.26 | -- |
| | | H ₂ S | 0.34 | -- |
| EG-18-1403 | SRU/TGI No. 3 Vent | NO _x | 12.15 | -- |
| | | SO ₂ | 98.44 | -- |
| | | CO | 42.91 | -- |
| | | PM | 4.14 | -- |
| | | PM ₁₀ | 4.14 | -- |
| | | PM _{2.5} | 4.14 | -- |
| | | VOC | 0.50 | -- |
| | | H ₂ S | 0.90 | -- |

Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------|----------------|---------|
| | | | lbs/hour | TPY (4) |
| EG-193 and EG-18-1403 | SRU/TGI No. 2 and 3 Subcaps | NO _x | -- | 42.88 |
| | | SO ₂ | -- | 274.00 |
| | | CO | -- | 247.88 |
| | | PM | -- | 30.37 |
| | | PM ₁₀ | -- | 30.37 |
| | | PM _{2.5} | -- | 30.37 |
| | | VOC | -- | 2.99 |
| | | H ₂ S | -- | 5.20 |
| 069, EG-193, 088, 094, 095, 100, 101, 15- 1902, 15-1904, 16- 1902, 16-1922, 303, 307, 316, 320, 321, 330, 335, 336, 337, 424, 436, 444, 445, 446, 451, 464, 477, 479, 481, 482, 486, 489, 490, 491, 499, 519, 520, 546, 558, 559, 561 | Storage Tanks Subcaps | VOC | 580.13 | 114.17 |
| | | NH ₃ | 0.07 | 0.28 |
| 069, EG-193, 088, 094, 095, 100, 101, 15- 1902, 15-1904, 16- 1902, 16-1922, 303, 307, 316, 320, 321, 330, 335, 336, 337, 424, 436, 444, 445, 446, 451, 464, 477, 479, 481, 482, 486, 489, 490, 491, 499, 519, 520, 546, 558, 559, 561 | Storage Tanks Subcaps (15) | VOC | 563.93 | 86.77 |
| | | NH ₃ | 0.07 | 0.28 |

Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|---------------------------|-----------------------------|-----------------------------|----------------|---------|
| | | | lbs/hour | TPY (4) |
| WW-1 | Wastewater Treatment System | VOC | 86.66 | 125.93 |
| | | NH ₃ | 8.33 | 15.94 |
| | | H ₂ S | 0.25 | 1.00 |
| CT-7 | Wastewater Cooling Tower | VOC | 26.21 | 38.20 |
| | | NH ₃ | 0.30 | 0.58 |
| EG-193 | API Separator | VOC | 0.02 | 0.04 |
| | | NH ₃ | 0.01 | 0.01 |
| | | H ₂ S | 0.01 | 0.01 |
| EG-193A | SWS Flare | H ₂ S | 0.01 | 0.01 |
| | | NH ₃ | 0.01 | 0.01 |
| 428 | EFR Tank 428 | VOC | 4.95 | 7.75 |
| 478 | EFR Tank 478 | VOC | 11.10 | 20.30 |
| 572 | Fixed Roof Tank 572 | VOC | 7.45 | 1.18 |
| 563 | EFR Tank 563 | VOC | 9.92 | 15.68 |
| 565 | EFR Tank 565 | VOC | 4.26 | 8.17 |
| 568 | EFR Tank 568 | VOC | 2.21 | 5.66 |
| 569 | EFR Tank 569 | VOC | 2.51 | 3.15 |
| 577 | Fixed Roof Tank 577 | VOC | 7.45 | 1.18 |
| 581 | EFR Tank 581 | VOC | 0.96 | 1.91 |
| 582 | Fixed Roof Tank 582 | VOC | 169.18 | 24.25 |
| 582 | Fixed Roof Tank 582 | VOC (15)(16) | 97.34 | -- |
| 583 | Fixed Roof Tank 583 | VOC | 11.51 | 3.90 |
| 583 | Fixed Roof Tank 583 | VOC (15)(16) | 81.12 | -- |

Emission Sources - Maximum Allowable Emission Rates

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|---------------------------|-----------------|-----------------------------|----------------|---------|
| | | | lbs/hour | TPY (4) |
| 594 | EFR Tank 594 | VOC | 4.72 | 9.53 |

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO₂ - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
PM₁₀ - particulate matter equal to or less than 10 microns in diameter
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
Cl₂ - chlorine
HF - hydrogen fluoride
HCl - hydrogen chloride
H₂S - hydrogen sulfide
CCl₄ - carbon tetrachloride
NH₃ - ammonia
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (6) The emission caps have been carried forward from the flexible permit and include annual MSS emissions. The hourly emission caps do not include MSS emissions.
- (7) Compliance with the emissions cap in tons per year (TPY) on a rolling 12-month period basis.
- (8) Effective January 1, 2012, compliance with the emissions caps in TPY will be on a calendar year basis until January 1, 2013, and thereafter on a rolling 12-month period basis.
- (9) The hourly emission caps are independent and are not included in the emission caps listed above. The annual emission rates are subcaps and are included in the emission caps listed above.
- (10) Ammonia emissions are associated with SCR units operated on the following combustion sources: Boiler No. 26, Boiler No. 27, Boiler No. 34, Coker Heater No. 57, and Coker Heater No. 58.
- (11) Emissions are not included in MSS cap.
- (12) Benzene emissions are a subcap of authorized VOC emissions.
- (13) Emissions are a subcap of VOC Subcap authorized for Marine Loading EPN "EMVDU-01-, EDOCK-20B, EDOCK-22, EDOCK-16, EDOCK-56, and EDOCK-57".
- (14) Emissions are not included in the Site Wide Emissions Cap.
- (15) Emissions become effective upon startup and operation of the ULSK project as described in the PI-1 dated June 23, 2014.
- (16) Annual emissions are authorized under the Storage Tank VOC Subcap.

Date: February 19, 2015