

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO

Shell Oil Company

AUTHORIZING THE OPERATION OF

Shell Deer Park Refining Company  
Petroleum Refining

LOCATED AT

Harris County, Texas

Latitude 29° 43' 18" Longitude 95° 7' 21"

Regulated Entity Number: RN100211879

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:     O1669     Issuance Date:     April 1, 2014    

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For the Commission

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## **General Terms and Conditions**

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

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

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

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

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

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

1. Permit holder shall comply with the following requirements:
  - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
  - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

- C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
- D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
- E. Emission units subject to 40 CFR Part 63, Subpart Y as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.300 which incorporates the 40 CFR Part 63 Subpart by reference.
- F. Emission units subject to 40 CFR Part 63, Subpart CC as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.340 which incorporates the 40 CFR Part 63 Subpart by reference.
- G. Emission units subject to 40 CFR Part 63, Subpart A as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.100 which incorporates the 40 CFR Part 63 Subpart by reference.
- H. Emission units subject to 40 CFR Part 63, Subpart G as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.120 which incorporates the 40 CFR Part 63 Subpart by reference.
- I. Emission units subject to 40 CFR Part 63, Subpart H as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.130 which incorporates the 40 CFR Part 63 Subpart by reference.
- J. Emission units subject to 40 CFR Part 63, Subpart UUU as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.780 which incorporates the 40 CFR Part 63 Subpart by reference.
- K. Emission units subject to 40 CFR Part 63, Subpart DDDDD as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1130 which incorporates the 40 CFR Part 63 Subpart by reference.

- L. 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 § 101.305 (relating to Emission Reductions Achieved Outside the United States)
  - (v) Title 30 TAC § 101.309 (relating to Emission Credit Banking and Trading)
  - (vi) The terms and conditions by which the emission limits are established to generate the reduction credit are applicable requirements of this permit
- M. 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
- N. 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 § 101.375 (relating to Emission Reductions Achieved Outside the United States)
  - (v) Title 30 TAC § 101.378 (relating to Discrete Emission Credit Banking and Trading)
  - (vi) The terms and conditions by which the emission limits are established to generate the discrete reduction credit are applicable requirements of this permit
- O. 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 § 101.393 (relating to General Provisions)
  - (ii) Title 30 TAC § 101.394 (relating to Allocation of Allowances)
  - (iii) Title 30 TAC § 101.396 (relating to Allowance Deductions)
  - (iv) Title 30 TAC § 101.399 (relating to Allowance Banking and Trading)
  - (v) Title 30 TAC § 101.400 (relating to Reporting)
  - (vi) The terms and conditions by which the emission limits are established to meet or exceed the cap are applicable requirements of this permit
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
  - B. Title 30 TAC § 101.3 (relating to Circumvention)

- C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
  - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
  - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
  - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
  - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
  - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
  - I. Title 30 TAC § 101.222 (relating to Demonstrations)
  - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
    - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
    - (ii) Title 30 TAC § 111.111(a)(1)(E)
    - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
    - (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as

plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the “Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) and Compliance Assurance Monitoring (CAM), are not subject to the following periodic monitoring requirements and shall comply with the CAM requirements in the “Additional Monitoring Requirements” attachment:

- (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
- (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.
- (3) Records of all observations shall be maintained.
- (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer’s eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at



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

(5) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

(b) However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

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

(i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)

(iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with

30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

- (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.
- (2) Records of all observations shall be maintained.
- (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (4) Compliance Certification:
  - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)
  - (b) However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the

period observed and 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) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- C. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:
- (i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)
  - (ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)
  - (iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
    - (1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.
    - (2) Records of all observations shall be maintained.
    - (3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the

observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)
- (b) However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and 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) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader

- D. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- E. 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(d)(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(1)(E) and (F) (relating to Control Requirements)
  - B. Title 30 TAC § 115.145 (relating to Approved Test Methods)
  - C. Title 30 TAC § 115.146 (relating to Recordkeeping Requirements)
  - D. Title 30 TAC § 115.147(2) (relating to Exemptions), for streams with an annual VOC loading of 10 megagrams (11.03 tons) or less
  - E. Title 30 TAC § 115.147(7), (7)(A) and (B) (relating to Exemptions)
  - F. Title 30 TAC § 115.148 (relating to Determination of Wastewater Characteristics)
- 6. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:
  - A. When filling stationary gasoline storage vessels (Stage I) for motor vehicle fuel dispensing facilities specified in 30 TAC Chapter 115, Subchapter C, the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 115.221 (relating to Emission Specifications)
    - (ii) Title 30 TAC § 115.222 (relating to Control Requirements)
    - (iii) Title 30 TAC § 115.223 (relating to Alternate Control Requirements)
    - (iv) Title 30 TAC § 115.224(1) and (2) (relating to Inspection Requirements)
    - (v) Title 30 TAC § 115.225(1) - (4) (relating to Testing Requirements)
    - (vi) Title 30 TAC § 115.226 (relating to Recordkeeping Requirements)
  - B. For filling of motor vehicle fuel tanks (Stage II) at motor vehicle fuel dispensing facilities specified in 30 TAC Chapter 115, Subchapter C, the permit holder shall comply with the following requirements:
    - (i) Title 30 TAC § 115.241 (relating to Emission Specifications)
    - (ii) Title 30 TAC § 115.242 (relating to Control Requirements)
    - (iii) Title 30 TAC § 115.243 (relating to Alternate Control Requirements)
    - (iv) Title 30 TAC § 115.244 (relating to Inspection Requirements)
    - (v) Title 30 TAC § 115.246 (relating to Recordkeeping Requirements)
    - (vi) Title 30 TAC § 115.245 (relating to Testing Requirements)
7. 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
8. The permit holder shall comply with the following requirements of 30 TAC Chapter 115, Subchapter F, Division 3, Degassing of Storage Tanks, Transport Vessels and Marine Vessels:
- A. For degassing of stationary VOC storage tanks, the permit holder shall comply with the following requirements:
    - (i) Title 30 TAC § 115.541(a) - (c) (relating to Emission Specifications)
    - (ii) Title 30 TAC § 115.541(f) (relating to Emission Specifications), for floating roof storage tanks

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

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

9. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
  - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
  - B. Title 40 CFR § 60.8 (relating to Performance Tests)
  - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
  - D. Title 40 CFR § 60.12 (relating to Circumvention)
  - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
  - F. Title 40 CFR § 60.14 (relating to Modification)
  - G. Title 40 CFR § 60.15 (relating to Reconstruction)
  - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
  
10. For petroleum refinery facilities subject to 40 CFR Part 60, Subpart QQQ, the permit holder shall comply with the following requirements:
  - A. Title 40 CFR § 60.692-1(a) - (c) (relating to Standards: General)
  - B. Title 40 CFR § 60.692-2(a) - (c), (e) (relating to Standards: Individual Drain Systems)
  - C. Title 40 CFR § 60.692-2(d) (relating to Standards: Individual Drain Systems)
  - D. Title 40 CFR § 60.692-6(a) - (b) (relating to Standards: Delay of Repair)
  - E. Title 40 CFR § 60.692-7(a) - (b) (relating to Standards: Delay of Compliance)
  - F. Title 40 CFR § 60.693-1(a) - (d), (e)(1) - (3) (relating to Alternative Standards for Individual Drain Systems)
  - G. Title 40 CFR § 60.697(a), (b)(1) - (3) (relating to Recordkeeping Requirements), as applicable to Individual Drain Systems
  - H. Title 40 CFR § 60.697(f)(1) - (2), (g) (relating to Recordkeeping Requirements), as applicable to Individual Drain Systems



- I. Title 40 CFR § 60.697(h) (relating to Recordkeeping Requirements), as applicable to excluded Stormwater Sewer Systems
  - J. Title 40 CFR § 60.697(i) (relating to Recordkeeping Requirements), as applicable to excluded Ancillary Equipment
  - K. Title 40 CFR § 60.697(j) (relating to Recordkeeping Requirements), as applicable to excluded Non-contact Cooling Water Systems
  - L. Title 40 CFR § 60.698(a), and (b)(1) (relating to Reporting Requirements), as applicable to Individual Drain Systems
  - M. Title 40 CFR § 60.698(c) (relating to Reporting Requirements), for water seal breaches in Drain Systems
  - N. Title 40 CFR § 60.698(e) (relating to Reporting Requirements), as applicable to Individual Drain Systems
11. 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)
12. For facilities where total annual benzene quantity from waste is greater than or equal to 10 megagrams per year and subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.342(c)(1)(i) - (iii) (relating to Standards: General)

- B. Title 40 CFR § 61.342(e)(1) (relating to Standards: General)
  - C. Title 40 CFR § 61.342(e)(2)(i) - (ii) (relating to Standards: General)
  - D. Title 40 CFR § 61.342(f)(1), and (2) (relating to Standards: General)
  - E. Title 40 CFR § 61.342(g) (relating to Standards: General)
  - F. Title 40 CFR § 61.350(a) and (b) (relating to Standards: Delay of Repair)
  - G. Title 40 CFR § 61.355(a)(1)(iii), (a)(2), (a)(6), (b), and (c)(1) - (3) (relating to Test Methods, Procedures, and Compliance Provisions)
  - H. Title 40 CFR § 61.355(k)(1) - (6), and (7)(i) - (iv) (relating to Test Methods, Procedures, and Compliance Provisions), for calculation procedures
  - I. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)
  - J. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)
  - K. Title 40 CFR § 61.356(b)(4) (relating to Recordkeeping Requirements)
  - L. Title 40 CFR § 61.356(b)(5) (relating to Recordkeeping Requirements)
  - M. Title 40 CFR § 61.356(c) (relating to Recordkeeping Requirements)
  - N. Title 40 CFR § 61.357(a), (d)(1), (d)(2) (d)(6) and (d)(8) (relating to Reporting Requirements)
  - O. Title 40 CFR § 61.357(d)(5) (relating to Reporting Requirements)
13. For facilities with containers subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.345(a)(1) - (3), (b), and (c) (relating to Standards: Containers)
  - B. Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)
  - C. Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
  - D. Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)
14. For facilities with individual drain systems subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:

- A. Title 40 CFR § 61.346(a)(1)(i)(A), (B), (ii), (2), and (3) (relating to Standards: Individual Drain Systems)
  - B. Title 40 CFR § 61.346(a)(1)(i)(C)(1) - (3) (relating to Standards: Individual Drain Systems)
  - C. Title 40 CFR § 61.346(b)(1), (2), (2)(i), (3), (4)(i) - (iv), and (5) (relating to Standards: Individual Drain Systems)
  - D. Title 40 CFR § 61.346(b)(2)(ii)(A) (relating to Standards: Individual Drain Systems), for junction boxes
  - E. Title 40 CFR § 61.346(b)(2)(ii)(B) (relating to Standards: Individual Drain Systems), for junction boxes
  - F. Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)
  - G. Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
  - H. Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)
15. 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.
16. For the chemical manufacturing process specified in 40 CFR Part 63, Subpart F, the permit holder shall comply with 40 CFR § 63.103(a) (relating to General Compliance, Reporting, and Recordkeeping Provisions) (Title 30 TAC Chapter 113, Subchapter C, § 113.110 incorporated by reference).
17. For the chemical manufacturing facilities with a 40 CFR Part 63, Subpart G Group 1 or Group 2 wastewater streams that are also subject to 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):
- A. Title 40 CFR § 63.110(e)(1) (relating to Applicability), for 40 CFR Part 63, Subpart G applicability to Group 1 or 2 Wastewater Streams
18. For the chemical manufacturing facilities subject to leak detection requirements in 40 CFR Part 63, Subpart G, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):
- A. General Leak Detection Requirements:
    - (i) Title 40 CFR § 63.148(d)(1) - (3), and (e) (relating to Leak Inspection Provisions)

- (ii) Title 40 CFR § 63.148(c), (g), (g)(2), (h), and (h)(2) (relating to Leak Inspection Provisions), for monitoring and testing requirements
  - (iii) Title 40 CFR §§ 63.148(g)(2), (h)(2), (i)(1) - (2), (i)(4)(i) - (viii), (i)(5), and 63.152(a)(1) - (5), for recordkeeping requirements
  - (iv) Title 40 CFR §§ 63.148(j), 63.151(a)(6)(i) - (iii), (b)(1) - (2), (j)(1) - (3), 63.152(a)(1) - (5), (b), (b)(1)(i) - (ii), and (b)(4), for reporting requirements
- B. For closed vent system or vapor collection systems constructed of hard piping:
- (i) Title 40 CFR § 63.148(b)(1)(ii) (relating to Leak Inspection Provisions), for monitoring and testing requirements
  - (ii) Title 40 CFR § 63.148(i)(6) (relating to Leak Inspection Provisions), for recordkeeping requirements
19. For the operations pertaining to the loading and unloading of marine tank vessels specified in 40 CFR Part 63, Subpart Y, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.300 incorporated by reference):
- A. Title 40 CFR § 63.560(c) (relating to Designation of Affected Source), for applicability of the General Provisions of Subpart A
  - B. Title 40 CFR § 63.563(a)(4) (relating to Compliance and Performance Testing), for vapor tightness requirements of the marine vessels
  - C. Title 40 CFR § 63.564(a)(1) 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)
20. 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
21. 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).

### **Additional Monitoring Requirements**

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, material safety data sheets (MSDS), 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.
- A. If applicable, monitoring of control device performance or general work practice standards shall be made in accordance with the TCEQ Periodic Monitoring Guidance document.
  - B. 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.
27. The permit holder shall comply with the following requirements for flexible permits of 30 TAC Chapter 116:
- A. Title 30 TAC § 116.715 (relating to General and Special Conditions)
  - B. Title 30 TAC § 116.716 (relating to Emission Caps and Individual Emission Limitations)

- C. Title 30 TAC § 116.717 (relating to Implementation Schedule for Additional Controls)
  - D. Title 30 TAC § 116.718 (relating to Significant Emission Increase)
  - E. Title 30 TAC § 116.720 (relating to Limitation on Physical and Operational Changes)
  - F. Title 30 TAC § 116.721(a) (relating to requirements for Amendments and Alterations)
28. The permit holder shall use a SIP approved permit amendment process to convert the Shell Oil Company flexible permit No. 21262 into a permit issued under a SIP approved permit program under 30 Tex. Admin. Code Chapter 116. The permit holder shall submit to TCEQ a NSR SIP permit amendment application in accordance with 30 TAC Chapter 116 Subchapter B no later than January 20, 2012.
29. Within sixty (60) days of the effective date of the Subchapter B permit amendment, the permit holder shall submit an application to TCEQ (and a copy to EPA) for a revision to its Title V permit to incorporate the NSR permit requirements, consistent with procedures in 30 TAC Chapter 122 (for Significant Revisions or Minor Revisions, as applicable). The TCEQ Executive Director may grant an extension of time, not to exceed thirty (30) days, within which to submit the revision application.

### **Compliance Requirements**

30. 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.
31. 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.
32. 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
33. 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

### **Risk Management Plan**

34. 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**

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

certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart B.

- C. The permit holder shall comply with 40 CFR Part 82, Subpart F related to the disposal requirements for appliances using Class I or Class II (ozone-depleting) substances or non-exempt substitutes as specified in 40 CFR §§ 82.150 - 82.166 and the applicable Part 82 Appendices.
- D. The permit holder shall comply with 40 CFR Part 82, Subpart H related to Halon Emissions Reduction requirements as specified in 40 CFR § 82.250 - § 82.270 and the applicable Part 82 Appendices.

### **Alternative Requirements**

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

### **Permit Location**

- 37. 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)**

- 38. 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**

**Alternative Requirement**

## **Applicable Requirements Summary**

**Unit Summary ..... 27**

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

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

## Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-DUCT	Boilers/Steam Generators/Steam Generating Units	CG1, CG2	R7ICI	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRP-DUCT	Boilers/Steam Generators/Steam Generating Units	CG1, CG2	60Db-1	40 CFR Part 60, Subpart Db	No changing attributes.
FLARECCU	Closed Vent System And Control Device	N/A	63G-1	40 CFR Part 63, Subpart G	No changing attributes.
FLAREEP	Closed Vent System And Control Device	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
FLAREEP	Closed Vent System And Control Device	N/A	63G-1	40 CFR Part 63, Subpart G	No changing attributes.
FLARESOUTH	Closed Vent System And Control Device	N/A	63G-1	40 CFR Part 63, Subpart G	No changing attributes.
FLAREWP	Closed Vent System And Control Device	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
FLAREWP	Closed Vent System And Control Device	N/A	63G-1	40 CFR Part 63, Subpart G	No changing attributes.
A1000-FL1	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A1000-FL2	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A1006-FL1	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	
A1006-FL2	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A10823-FL1	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A10823-FL2	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A1284-FL	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A1301-FL	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A1301-FL	Emission Points/Stationary Vents/Process Vents	N/A	63MACTCC-1	40 CFR Part 63, Subpart CC	No changing attributes.
A140-FL	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A1660B	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	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
A1746-FL	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A1746-FL	Emission Points/Stationary Vents/Process Vents	N/A	63MACTCC-1	40 CFR Part 63, Subpart CC	No changing attributes.
A200-FL	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A267-FL	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A285-FL	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A301-FL	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A309-FL	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A330-FL	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A350-FL	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				
A380-FL	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A422-FL	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A422-FL	Emission Points/Stationary Vents/Process Vents	N/A	63MACTCC-1	40 CFR Part 63, Subpart CC	No changing attributes.
A503-FL	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A518-FL1	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A518-FL2	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A519-FL	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A519-FL	Emission Points/Stationary Vents/Process Vents	N/A	63MACTCC-1	40 CFR Part 63, Subpart CC	No changing attributes.
A9267-FL	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	
A9268-FL	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A9268-FL	Emission Points/Stationary Vents/Process Vents	N/A	63MACTCC-1	40 CFR Part 63, Subpart CC	No changing attributes.
A9315-FL	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
A9315-FL	Emission Points/Stationary Vents/Process Vents	N/A	63MACTCC-1	40 CFR Part 63, Subpart CC	No changing attributes.
AE2340	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
AE2636	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
AE2650	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
AE348	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	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
AE349	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
AE388	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
AE389	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
AE700	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
AE768	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
AR300-FL	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
AR300-FL	Emission Points/Stationary Vents/Process Vents	N/A	63MACTCC-1	40 CFR Part 63, Subpart CC	No changing attributes.
BWN VENT	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
BWN VENT	Emission Points/Stationary	N/A	63MACTCC-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
	Vents/Process Vents				
C9150	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
C9151	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
C9152	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
C9153	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
CDUCT1	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
CDUCT2	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
DEG ACID	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
DEG ACID	Emission Points/Stationary Vents/Process Vents	N/A	63MACTCC-1	40 CFR Part 63, Subpart CC	No changing attributes.
DEPNP COND	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	
DEPNP COND	Emission Points/Stationary Vents/Process Vents	N/A	63MACTCC-1	40 CFR Part 63, Subpart CC	No changing attributes.
DHTVAC	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
H1000	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H1000	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H1010	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H1010	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H1011	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H1011	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
H1100	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H1100	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H1170	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H1170	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H31001	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H31002	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H31003	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H3300	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H332V	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				
H36100	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H5100	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H5100	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H5101	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H5101	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H5102	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H5102	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H5103	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H5103	Emission	N/A	R5720-1	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
	Points/Stationary Vents/Process Vents			HRVOC Vent Gas	
H5104	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H5105	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H5200	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H5200	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H5301	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H5302	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H5303	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H5304	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
H5305	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H5350	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H53NN	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H5400	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H5400	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H5402	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H5402	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H5403	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H5404	Emission Points/Stationary	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/Process Vents				
H5500	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H5500A	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H5500B	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H5500C	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H5600	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H5600	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H600	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H613	Emission Points/Stationary Vents/Process Vents	N/A	R1111-01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
H613	Emission	N/A	R5720-1	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
	Points/Stationary Vents/Process Vents			HRVOC Vent Gas	
H63000	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H70002	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
H7302	Emission Points/Stationary Vents/Process Vents	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
IA88017-FL	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
L2COMPVT	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
MRCM C4 VENT	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
MRCM C4 VENT1	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
MRCM C4 VENT2	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
MTBE DEGASSER	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
MTBE DEGASSER	Emission Points/Stationary Vents/Process Vents	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
V-1024	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
V-1046	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
V-1052	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
V1074	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
V1298	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
V1299	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
V31001	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				
V31002	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
V31003	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
V31004	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
V54	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
V5518	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
V5527	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
V5527	Emission Points/Stationary Vents/Process Vents	N/A	63MACTCC-1	40 CFR Part 63, Subpart CC	No changing attributes.
V601	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
V602	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	
V9160	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
WW DEGASSER	Emission Points/Stationary Vents/Process Vents	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
WW DEGASSER	Emission Points/Stationary Vents/Process Vents	N/A	63MACTCC-1	40 CFR Part 63, Subpart CC	No changing attributes.
CR3	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	63UUU	40 CFR Part 63, Subpart UUU	No changing attributes.
FCCU	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	63UUU	40 CFR Part 63, Subpart UUU	No changing attributes.
FLARECOKE	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
FLAREEP	FCCU Cat Regen/Fuel Gas Combustion/Claus	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
	SRU				
FLAREGIRB	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
FLARENP	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
FLAREWP	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
GRP-DUCT	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	CG1, CG2	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
GRP-FURN	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	H31001, H31002	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
GRPHTR2	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	H1010, H1011, H1170, H5200, H5400	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
GRPHTR3	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	H5303, H5304	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
GRPHTR4	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	H5301, H5302	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
GRPHTR6	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	H5103, H5600	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
GRPHTR7	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	H5100, H5402	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
GRPSRU345	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	SR3/4STACK, SR5STACK	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
GRPSRU678	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	SR6STACK, SR7STACK, SR8STACK	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
H1000	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				
H1001	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
H1100	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
H31003	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
H3300	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
H36100	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
H5101	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				
H5102	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
H5104	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
H5105	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
H5305	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
H5350	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
H5403	FCCU Cat Regen/Fuel Gas Combustion/Claus	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
	SRU				
H5404	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
H5500	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
H600	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
H613	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
H63000	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
H70002	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
H9150	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-1	40 CFR Part 60, Subpart J	No changing attributes.
PLAT2	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	63UUU	40 CFR Part 63, Subpart UUU	No changing attributes.
SRU3/4	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	63UUU	40 CFR Part 63, Subpart UUU	No changing attributes.
SRU5	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	63UUU	40 CFR Part 63, Subpart UUU	No changing attributes.
SRU6	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	63UUU	40 CFR Part 63, Subpart UUU	No changing attributes.
SRU7	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	63UUU	40 CFR Part 63, Subpart UUU	No changing attributes.
SRU8	FCCU Cat	N/A	63UUU	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
	Regen/Fuel Gas Combustion/Claus SRU			UUU	
FLARECCU	Flares	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FLARECCU	Flares	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
FLARECCU	Flares	N/A	60A-1	40 CFR Part 60, Subpart A	No changing attributes.
FLARECCU	Flares	N/A	63A-1	40 CFR Part 63, Subpart A	No changing attributes.
FLARECOKE	Flares	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FLARECOKE	Flares	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
FLARECOKE	Flares	N/A	60A-1	40 CFR Part 60, Subpart A	No changing attributes.
FLAREEP	Flares	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FLAREEP	Flares	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
FLAREEP	Flares	N/A	60A-1	40 CFR Part 60, Subpart A	No changing attributes.
FLAREEP	Flares	N/A	63A-1	40 CFR Part 63, Subpart A	No changing attributes.
FLAREGIRB	Flares	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
FLAREGIRB	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
FLAREGIRB	Flares	N/A	63A-1	40 CFR Part 63, Subpart A	No changing attributes.
FLARELHT	Flares	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FLARELHT	Flares	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
FLARENP	Flares	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FLARENP	Flares	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
FLARENP	Flares	N/A	60A-1	40 CFR Part 60, Subpart A	No changing attributes.
FLARENP	Flares	N/A	63A-1	40 CFR Part 63, Subpart A	No changing attributes.
FLARESOUTH	Flares	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FLARESOUTH	Flares	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
FLARESOUTH	Flares	N/A	60A-1	40 CFR Part 60, Subpart A	No changing attributes.
FLARESOUTH	Flares	N/A	63A-1	40 CFR Part 63, Subpart A	No changing attributes.
FLAREWP	Flares	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FLAREWP	Flares	N/A	R5720-1	30 TAC Chapter 115, HRVOC Vent Gas	No changing attributes.
FLAREWP	Flares	N/A	60A-1	40 CFR Part 60, Subpart A	No changing attributes.
FLAREWP	Flares	N/A	63A-1	40 CFR Part 63, Subpart A	No changing attributes.

## Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
FUGCCU	Fugitive Emission Units	N/A	R5780-1	30 TAC Chapter 115, HRVOC Fugitive Emissions	No changing attributes.
FUGCCU	Fugitive Emission Units	N/A	R5352ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
FUGCCU	Fugitive Emission Units	N/A	60VVALL	40 CFR Part 60, Subpart VV	No changing attributes.
FUGCCU	Fugitive Emission Units	N/A	R63CCVVALL	40 CFR Part 63, Subpart CC	No changing attributes.
FUGDISP	Fugitive Emission Units	N/A	R5780-1	30 TAC Chapter 115, HRVOC Fugitive Emissions	No changing attributes.
FUGDISP	Fugitive Emission Units	N/A	R5352ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
FUGDISP	Fugitive Emission Units	N/A	60VVALL	40 CFR Part 60, Subpart VV	No changing attributes.
FUGDISP	Fugitive Emission Units	N/A	R63CCVVALL	40 CFR Part 63, Subpart CC	No changing attributes.
FUGDU1	Fugitive Emission Units	N/A	R5780-1	30 TAC Chapter 115, HRVOC Fugitive Emissions	No changing attributes.
FUGDU1	Fugitive Emission Units	N/A	R5352ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
FUGDU1	Fugitive Emission Units	N/A	60VVALL	40 CFR Part 60, Subpart VV	No changing attributes.
FUGDU1	Fugitive Emission Units	N/A	R63CCVVALL	40 CFR Part 63, Subpart CC	No changing attributes.

### Unit Summary

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
FUGDU2	Fugitive Emission Units	N/A	R5780-1	30 TAC Chapter 115, HRVOC Fugitive Emissions	No changing attributes.
FUGDU2	Fugitive Emission Units	N/A	R5352ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
FUGDU2	Fugitive Emission Units	N/A	60VVALL	40 CFR Part 60, Subpart VV	No changing attributes.
FUGDU2	Fugitive Emission Units	N/A	R63CCVALL	40 CFR Part 63, Subpart CC	No changing attributes.
FUGHDU1	Fugitive Emission Units	N/A	R5780-1	30 TAC Chapter 115, HRVOC Fugitive Emissions	No changing attributes.
FUGHDU1	Fugitive Emission Units	N/A	R5352ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
FUGHDU1	Fugitive Emission Units	N/A	60VVALL	40 CFR Part 60, Subpart VV	No changing attributes.
FUGHDU1	Fugitive Emission Units	N/A	R63CCVALL	40 CFR Part 63, Subpart CC	No changing attributes.
FUGSGP	Fugitive Emission Units	N/A	R5780-1	30 TAC Chapter 115, HRVOC Fugitive Emissions	No changing attributes.
FUGSGP	Fugitive Emission Units	N/A	R5352ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
FUGSGP	Fugitive Emission Units	N/A	60VVALL	40 CFR Part 60, Subpart VV	No changing attributes.
FUGSGP	Fugitive Emission Units	N/A	R63CCVALL	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
FUGWBT	Fugitive Emission Units	N/A	R5780-1	30 TAC Chapter 115, HRVOC Fugitive Emissions	No changing attributes.
FUGWBT	Fugitive Emission Units	N/A	R5352ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
FUGWBT	Fugitive Emission Units	N/A	60VVALL	40 CFR Part 60, Subpart VV	No changing attributes.
FUGWBT	Fugitive Emission Units	N/A	R63CCVALL	40 CFR Part 63, Subpart CC	No changing attributes.
GRPHVROCFUG	Fugitive Emission Units	R5606A, RV-1015, RV-1017B, RV- 1018, RV-103, RV- 1100, RV-1110B, RV-11116, RV- 11117, RV-11193, RV-123B, RV- 1358, RV-140, RV- 1649B, RV-1859, RV-1860, RV- 2014, RV-2029, RV-5022A, RV- 5024, RV-5024A, RV-5024B, RV- 5102B, RV-5102E, RV-5102F, RV- 5102H, RV-5102J, RV-5102K, RV- 5109A, RV-5112A, RV-5112B, RV- 5112C, RV-5114,	R5780-ALL	30 TAC Chapter 115, HRVOC Fugitive Emissions	No changing attributes.



### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		RV-5114B, RV-5115, RV-5118, RV-5134, RV-5603A, RV-5605B, RV-5607A, RV-5607B, RV-5607C, RV-63000, RV-647, RV-655, RV-735			
GRPMTBEFUG	Fugitive Emission Units	FUGGR200, FUGMTBE	R5352ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
GRPMTBEFUG	Fugitive Emission Units	FUGGR200, FUGMTBE	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
GRPREFUG	Fugitive Emission Units	FUGAYARD, FUGCGHT, FUGDOCK, FUGENVN, FEBA100, FUGALKY1, FUGCFH, FUGCOGEN, FUGCOKER, FUGCR3, FUGCR3TF, FUGDHT, FUGGASTR, FUGGFRAC, FUGGOHT, FUGGR, FUGHP1, FUGPLAT2, FUGPOSTFRAC,	R5352ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		FUGPSA, FUGSHCU, FUGSR5, FUGSR6/7, FUGSR8, FUGTHCR, FUGGIRBIT, KELLY, FUGLHT2, FUGSR3/4, TCACIDLOAD			
GRPREFFUG	Fugitive Emission Units	FUGAYARD, FUGCGHT, FUGDOCK, FUGENVN, FEBA100, FUGALKY1, FUGCFH, FUGCOGEN, FUGCOKER, FUGCR3, FUGCR3TF, FUGDHT, FUGGASTR, FUGGFRAC, FUGGOHT, FUGGR, FUGHP1, FUGPLAT2, FUGPOSTFRAC, FUGPSA, FUGSHCU,	60VVALL	40 CFR Part 60, Subpart VV	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		FUGSR5, FUGSR6/7, FUGSR8, FUGTHCR, FUGGIRBIT, KELLY, FUGLHT2, FUGSR3/4, TCACIDLOAD			
GRPREFUG	Fugitive Emission Units	FUGAYARD, FUGCGHT, FUGDOCK, FUGENVN, FEBA100, FUGALKY1, FUGCFH, FUGCOGEN, FUGCOKER, FUGCR3, FUGCR3TF, FUGDHT, FUGGASTR, FUGGFRAC, FUGGOHT, FUGGR, FUGHP1, FUGPLAT2, FUGPOSTFRAC, FUGPSA, FUGSHCU, FUGSR5, FUGSR6/7,	R63CCVALL	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
		FUGSR8, FUGTHCR, FUGGIRBIT, KELLY, FUGLHT2, FUGSR3/4, TCACIDLOAD			
CWT10	Industrial Process Cooling Towers	N/A	R5720-1	30 TAC Chapter 115, HRVOC Cooling Towers	No changing attributes.
CWT11	Industrial Process Cooling Towers	N/A	R5720-1	30 TAC Chapter 115, HRVOC Cooling Towers	No changing attributes.
CWT12	Industrial Process Cooling Towers	N/A	R5720-1	30 TAC Chapter 115, HRVOC Cooling Towers	No changing attributes.
CWT15	Industrial Process Cooling Towers	N/A	R5720-1	30 TAC Chapter 115, HRVOC Cooling Towers	No changing attributes.
CWT16	Industrial Process Cooling Towers	N/A	R5720-1	30 TAC Chapter 115, HRVOC Cooling Towers	No changing attributes.
CWT17	Industrial Process Cooling Towers	N/A	R5720-1	30 TAC Chapter 115, HRVOC Cooling Towers	No changing attributes.
CWT6	Industrial Process Cooling Towers	N/A	R5720-1	30 TAC Chapter 115, HRVOC Cooling Towers	No changing attributes.
CWT7	Industrial Process Cooling Towers	N/A	R5720-1	30 TAC Chapter 115, HRVOC Cooling Towers	No changing attributes.
CWT8	Industrial Process Cooling Towers	N/A	R5720-1	30 TAC Chapter 115, HRVOC Cooling Towers	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
CWT9	Industrial Process Cooling Towers	N/A	R5720-1	30 TAC Chapter 115, HRVOC Cooling Towers	No changing attributes.
ACIDLOAD	Loading/Unloading Operations	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
DEALOAD	Loading/Unloading Operations	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
GRPLUBLOAD	Loading/Unloading Operations	RKLBLEND, RKLDIALA, RKLTC, RKLTC/TT, RKLCTTU	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
GRPMARLOAD	Loading/Unloading Operations	BARGE, BENZENE1, BENZENE2, BENZENE4, CRUDE, DOCK1, DOCK2, DOCK4	R5211-1	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., CHPTR 115 CNTRL DEV TYPE = No control device., CONTROL OPTIONS = Vapor control system that maintains a control efficiency of at least 90%., VAPOR TIGHT = All liquid and vapor lines are

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					equipped with fittings which make vapor-tight connections that close automatically when disconnected., MARINE TERMINAL EXEMPTION = The marine terminal is not claiming one or more of the exemptions in 30 TAC § 115.217(a)(5)(B).
GRPMARLOAD	Loading/Unloading Operations	BARGE, BENZENE1, BENZENE2, BENZENE4, CRUDE, DOCK1, DOCK2, DOCK4	R5211-2	30 TAC Chapter 115, Loading and Unloading of VOC	TRUE VAPOR PRESSURE = True vapor pressure less than 0.5 psia.
GRPMARLOAD	Loading/Unloading Operations	BARGE, BENZENE1, BENZENE2, BENZENE4, CRUDE, DOCK1, DOCK2, DOCK4	R5211-3	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., CHPTR 115 CNTRL DEV TYPE = Vapor control system with a flare., CONTROL OPTIONS = Vapor control system that maintains a control efficiency of at least 90%., VAPOR TIGHT = All

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected., MARINE TERMINAL EXEMPTION = The marine terminal is not claiming one or more of the exemptions in 30 TAC § 115.217(a)(5)(B).
GRPMARLOAD	Loading/Unloading Operations	BARGE, BENZENE1, BENZENE2, BENZENE4, CRUDE, DOCK1, DOCK2, DOCK4	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
GRPMARLOAD	Loading/Unloading Operations	BARGE, BENZENE1, BENZENE2, BENZENE4, CRUDE, DOCK1, DOCK2, DOCK4	63Y-1	40 CFR Part 63, Subpart Y	MATERIAL LOADED = Gasoline., THROUGHPUT = Source with throughput less than 10 M barrels and 200 M barrels., VAPOR BALANCING SYSTEM = Emissions are reduced by a vapor balancing system., SUBPART Y CTRL DEV TYPE = Control device other than a flare, boiler, combustion unit other than a boiler or flare, carbon adsorber, or condenser., PERFORMANCE TEST = Baseline temperature from manufacturer., BYPASS FLOW

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					INDICATOR = Flow indicator with audio or visual alarm., VENT STREAM BY-PASS = There are valves that could route displaced vapors to the atmosphere.
GRPMARLOAD	Loading/Unloading Operations	BARGE, BENZENE1, BENZENE2, BENZENE4, CRUDE, DOCK1, DOCK2, DOCK4	63Y-3	40 CFR Part 63, Subpart Y	MATERIAL LOADED = Material other than crude oil or gasoline., VAPOR BALANCING SYSTEM = Emissions are not reduced by a vapor balancing system., SUBPART Y CTRL DEV TYPE = Flare., VENT STREAM BY-PASS = There are no valves that could route displaced vapors to the atmosphere.
GTTLR	Loading/Unloading Operations	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
GRP-FURN	Process Heaters/Furnaces	H31001, H31002	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRP-FURN	Process Heaters/Furnaces	H31001, H31002	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
GRPHTR2	Process Heaters/Furnaces	H1010, H1011, H1170, H5200, H5400	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRPHTR2	Process Heaters/Furnaces	H1010, H1011, H1170, H5200,	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.



### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		H5400			
GRPHTR3	Process Heaters/Furnaces	H5303, H5304	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRPHTR3	Process Heaters/Furnaces	H5303, H5304	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
GRPHTR4	Process Heaters/Furnaces	H5301, H5302	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRPHTR4	Process Heaters/Furnaces	H5301, H5302	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
GRPHTR6	Process Heaters/Furnaces	H5103, H5600	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRPHTR6	Process Heaters/Furnaces	H5103, H5600	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
GRPHTR7	Process Heaters/Furnaces	H5100, H5402	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRPHTR7	Process Heaters/Furnaces	H5100, H5402	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
H1000	Process Heaters/Furnaces	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
H1000	Process Heaters/Furnaces	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
H1001	Process Heaters/Furnaces	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
H1001	Process	N/A	63DDDDD	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
	Heaters/Furnaces			DDDDD	
H1100	Process Heaters/Furnaces	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
H1100	Process Heaters/Furnaces	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
H31003	Process Heaters/Furnaces	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
H31003	Process Heaters/Furnaces	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
H3300	Process Heaters/Furnaces	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
H3300	Process Heaters/Furnaces	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
H36100	Process Heaters/Furnaces	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
H36100	Process Heaters/Furnaces	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
H5101	Process Heaters/Furnaces	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
H5101	Process Heaters/Furnaces	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
H5102	Process Heaters/Furnaces	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
H5102	Process	N/A	63DDDDD	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
	Heaters/Furnaces			DDDDD	
H5104	Process Heaters/Furnaces	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
H5104	Process Heaters/Furnaces	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
H5105	Process Heaters/Furnaces	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
H5105	Process Heaters/Furnaces	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
H5305	Process Heaters/Furnaces	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
H5305	Process Heaters/Furnaces	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
H5350	Process Heaters/Furnaces	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
H5350	Process Heaters/Furnaces	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
H5403	Process Heaters/Furnaces	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
H5403	Process Heaters/Furnaces	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
H5404	Process Heaters/Furnaces	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
H5404	Process	N/A	63DDDDD	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
	Heaters/Furnaces			DDDDD	
H5500	Process Heaters/Furnaces	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
H5500	Process Heaters/Furnaces	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
H600	Process Heaters/Furnaces	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
H613	Process Heaters/Furnaces	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
H613	Process Heaters/Furnaces	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
H63000	Process Heaters/Furnaces	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
H63000	Process Heaters/Furnaces	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
H70001	Process Heaters/Furnaces	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
H70001	Process Heaters/Furnaces	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
H70002	Process Heaters/Furnaces	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
H70002	Process Heaters/Furnaces	N/A	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
H9150	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	
H9150	Process Heaters/Furnaces	N/A	63DDDDD-1	40 CFR Part 63, Subpart DDDDD	No changing attributes.
P-87107	SRIC Engines	N/A	R7ICI-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRP-TURB	Stationary Turbines	CTURB1, CTURB2	60GG-1	40 CFR Part 60, Subpart GG	No changing attributes.
A312-R1	Storage Tanks/Vessels	N/A	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
A333	Storage Tanks/Vessels	N/A	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
A333	Storage Tanks/Vessels	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
AP7-R1	Storage Tanks/Vessels	N/A	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
F325	Storage Tanks/Vessels	N/A	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
F325	Storage Tanks/Vessels	N/A	R5112-3	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is less than 1.0 psia
F325	Storage Tanks/Vessels	N/A	63CC-1	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = External floating roof, GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
F325	Storage Tanks/Vessels	N/A	63CC-2	40 CFR Part 63, Subpart CC	GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel., APPLICABILITY = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.
FP200	Storage Tanks/Vessels	N/A	R5112-6	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
G363	Storage Tanks/Vessels	N/A	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPBENZIGF	Storage Tanks/Vessels	T308, T309	60Kb-2	40 CFR Part 60, Subpart Kb	MAXIMUM TVP = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
GRPBENZIGF	Storage Tanks/Vessels	T308, T309	60Kb-3	40 CFR Part 60, Subpart Kb	MAXIMUM TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRPBENZIGF	Storage Tanks/Vessels	T308, T309	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPBENZIGF	Storage Tanks/Vessels	T308, T309	63CC-1	40 CFR Part 63, Subpart G	No changing attributes.
GRPBENZTK	Storage Tanks/Vessels	X315, X320, X321	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
GRPBENZTK	Storage Tanks/Vessels	X315, X320, X321	63CC-1	40 CFR Part 63, Subpart G	No changing attributes.
GRPBWNTK1	Storage Tanks/Vessels	T301, T302	60Kb-2	40 CFR Part 60, Subpart Kb	MAXIMUM TVP = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
GRPBWNTK1	Storage Tanks/Vessels	T301, T302	60Kb-3	40 CFR Part 60, Subpart Kb	MAXIMUM TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRPBWNTK1	Storage Tanks/Vessels	T301, T302	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
GRPBWNTK1	Storage Tanks/Vessels	T301, T302	63CC-1	40 CFR Part 63, Subpart G	WASTEWATER TANK PROPERTIE = Volume of the wastewater tank greater than or equal to 151m3 and vapor pressure of liquid stored is less than 5.2 kPa
GRPBWNTK1	Storage Tanks/Vessels	T301, T302	63CC-2	40 CFR Part 63, Subpart G	WASTEWATER TANK PROPERTIE = Properties do not qualify for exemption, EMISSION CONTROL TYPE = External floating roof that meets the requirements specified in 40 CFR § 63.119(c), 40 CFR § 63.120(b)(5), and 40 CFR § 63.120(b)(6)

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPBWNTK2	Storage Tanks/Vessels	T303, T305	60Kb-2	40 CFR Part 60, Subpart Kb	MAXIMUM TVP = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
GRPBWNTK2	Storage Tanks/Vessels	T303, T305	60Kb-3	40 CFR Part 60, Subpart Kb	MAXIMUM TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRPBWNTK2	Storage Tanks/Vessels	T303, T305	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
GRPBWNTK2	Storage Tanks/Vessels	T303, T305	63CC-1	40 CFR Part 63, Subpart G	WASTEWATER TANK PROPRTIE = Volume of the wastewater tank greater than or equal to 151m3 and vapor pressure of liquid stored is less than 5.2 kPa
GRPBWNTK2	Storage Tanks/Vessels	T303, T305	63CC-2	40 CFR Part 63, Subpart G	CLOSED VENT SYSTEM = Closed vent system is not maintained under negative pressure and is subject to 40 CFR § 63.148, BY-PASS LINES = Closed vent system has no by-pass lines, WASTEWATER TANK PROPRTIE = Properties do not qualify for exemption, EMISSION CONTROL TYPE = Fixed roof tank vented through a closed vent system that routes the organic HAP vapors vented from the wastewater tank to a control device, NEGATIVE



### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					PRESSURE = The fixed roof and closed vent systems are not operated and maintained under negative pressure.
GRPTKEFR1	Storage Tanks/Vessels	TA331, TA332, TA334	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRPTKEFR1	Storage Tanks/Vessels	TA331, TA332, TA334	R5112-2	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.5 psia
GRPTKEFR1	Storage Tanks/Vessels	TA331, TA332, TA334	R5112-5	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is less than 1.0 psia
GRPTKEFR1	Storage Tanks/Vessels	TA331, TA332, TA334	60KA-1	40 CFR Part 60, Subpart Ka	TRUE VAPOR PRESSURE = TVP is greater than or equal to 1.5 but less than or equal to 11.1 psia
GRPTKEFR1	Storage Tanks/Vessels	TA331, TA332, TA334	60KA-2	40 CFR Part 60, Subpart Ka	MAXIMUM TVP = Maximum true vapor pressure is not determined since 40 CFR § 60.115a(d)(1) exemption is not utilized, TRUE VAPOR PRESSURE = TVP is less than 1.5 psia
GRPTKEFR1	Storage Tanks/Vessels	TA331, TA332, TA334	63CC-1	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					<p>PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa),            EMISSION CONTROL TYPE = External floating roof, GROUP 1            STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)</p>
GRPTKEFR1	Storage Tanks/Vessels	TA331, TA332, TA334	63CC-2	40 CFR Part 63, Subpart CC	<p>GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel., APPLICABILITY = The storage vessel is subject to the control requirements of 40 CFR Part 60, Subpart Ka, STORAGE VESSEL DESCRIPT = Pontoon-type or double-deck-type external floating roof with liquid-mounted primary seal, REID VAPOR PRESSURE = RVP is greater than or equal to 2.0 psia</p>
GRPTKEFR10	Storage Tanks/Vessels	TA317, TA320, TA321, TA322, TA324, TA325	R5112-1	30 TAC Chapter 115, Storage of VOCs	<p>TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia</p>
GRPTKEFR10	Storage Tanks/Vessels	TA317, TA320, TA321, TA322, TA324, TA325	R5112-2	30 TAC Chapter 115, Storage of VOCs	<p>TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.5 psia</p>

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPTKEFR10	Storage Tanks/Vessels	TA317, TA320, TA321, TA322, TA324, TA325	R5112-5	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is less than 1.0 psia
GRPTKEFR10	Storage Tanks/Vessels	TA317, TA320, TA321, TA322, TA324, TA325	63CC-1	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = External floating roof, GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
GRPTKEFR10	Storage Tanks/Vessels	TA317, TA320, TA321, TA322, TA324, TA325	63CC-2	40 CFR Part 63, Subpart CC	GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel., APPLICABILITY = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.
GRPTKEFR11	Storage Tanks/Vessels	TA301, TA310, TA318, TA319, TA326, TG362	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRPTKEFR11	Storage Tanks/Vessels	TA301, TA310, TA318, TA319,	R5112-2	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		TA326, TG362			than or equal to 1.5 psia
GRPTKEFR11	Storage Tanks/Vessels	TA301, TA310, TA318, TA319, TA326, TG362	R5112-5	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is less than 1.0 psia
GRPTKEFR11	Storage Tanks/Vessels	TA301, TA310, TA318, TA319, TA326, TG362	63CC-1	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = External floating roof, GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
GRPTKEFR11	Storage Tanks/Vessels	TA301, TA310, TA318, TA319, TA326, TG362	63CC-2	40 CFR Part 63, Subpart CC	GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel, APPLICABILITY = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.
GRPTKEFR12	Storage Tanks/Vessels	G316, G329, G332, G342, G355, G356, G360, T1F323	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPTKEFR12	Storage Tanks/Vessels	G316, G329, G332, G342, G355, G356, G360, T1F323	R5112-2	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.5 psia
GRPTKEFR12	Storage Tanks/Vessels	G316, G329, G332, G342, G355, G356, G360, T1F323	R5112-3	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is less than 1.0 psia
GRPTKEFR12	Storage Tanks/Vessels	G316, G329, G332, G342, G355, G356, G360, T1F323	63CC-1	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = External floating roof, SEAL TYPE = Two seals, one above the other, the primary seal being a metallic shoe seal, GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
GRPTKEFR12	Storage Tanks/Vessels	G316, G329, G332, G342, G355, G356, G360, T1F323	63CC-2	40 CFR Part 63, Subpart CC	GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel., APPLICABILITY = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPTKEFR2	Storage Tanks/Vessels	TA329, TA330	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRPTKEFR2	Storage Tanks/Vessels	TA329, TA330	R5112-2	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.5 psia
GRPTKEFR2	Storage Tanks/Vessels	TA329, TA330	R5112-5	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is less than 1.0 psia
GRPTKEFR2	Storage Tanks/Vessels	TA329, TA330	60K-1	40 CFR Part 60, Subpart K	NSPS K MAXIMUM TVP = Maximum true vapor pressure is not determined, NSPS K TVP = True vapor pressure is less than 1.5 psia
GRPTKEFR2	Storage Tanks/Vessels	TA329, TA330	60K-2	40 CFR Part 60, Subpart K	NSPS K TVP = True vapor pressure is at least 1.5 psia and less than 11.1 psia
GRPTKEFR3	Storage Tanks/Vessels	G345, G346	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRPTKEFR3	Storage Tanks/Vessels	G345, G346	R5112-2	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.5 psia
GRPTKEFR3	Storage Tanks/Vessels	G345, G346	R5112-4	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is less than

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					1.0 psia
GRPTKEFR3	Storage Tanks/Vessels	G345, G346	60K-1	40 CFR Part 60, Subpart K	NSPS K MAXIMUM TVP = Maximum true vapor pressure is not determined, NSPS K TVP = True vapor pressure is less than 1.5 psia
GRPTKEFR3	Storage Tanks/Vessels	G345, G346	60K-2	40 CFR Part 60, Subpart K	NSPS K TVP = True vapor pressure is at least 1.5 psia and less than 11.1 psia
GRPTKEFR4	Storage Tanks/Vessels	F315, F317	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRPTKEFR4	Storage Tanks/Vessels	F315, F317	R5112-2	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is less than 1.0 psia
GRPTKEFR4	Storage Tanks/Vessels	F315, F317	R5112-3	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRPTKEFR4	Storage Tanks/Vessels	F315, F317	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
GRPTKEFR5	Storage Tanks/Vessels	TA308, TA309, AP6, G309, G317, G323, G326, G327, G328	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRPTKEFR5	Storage Tanks/Vessels	TA308, TA309,	R5112-2	30 TAC Chapter 115,	TRUE VAPOR PRESSURE =

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		AP6, G309, G317, G323, G326, G327, G328		Storage of VOCs	True vapor pressure is greater than or equal to 1.5 psia
GRPTKEFR5	Storage Tanks/Vessels	TA308, TA309, AP6, G309, G317, G323, G326, G327, G328	R5112-3	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is less than 1.0 psia
GRPTKEFR5	Storage Tanks/Vessels	TA308, TA309, AP6, G309, G317, G323, G326, G327, G328	63CC-1	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = External floating roof, GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
GRPTKEFR5	Storage Tanks/Vessels	TA308, TA309, AP6, G309, G317, G323, G326, G327, G328	63CC-2	40 CFR Part 63, Subpart CC	GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel., APPLICABILITY = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.
GRPTKEFR6	Storage Tanks/Vessels	F316, G308, G311, G313, G315, G361	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater



### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					than or equal to 1.0 psia but less than 1.5 psia
GRPTKEFR6	Storage Tanks/Vessels	F316, G308, G311, G313, G315, G361	R5112-2	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.5 psia
GRPTKEFR6	Storage Tanks/Vessels	F316, G308, G311, G313, G315, G361	R5112-4	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is less than 1.0 psia
GRPTKEFR6	Storage Tanks/Vessels	F316, G308, G311, G313, G315, G361	63CC-1	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = External floating roof, GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
GRPTKEFR6	Storage Tanks/Vessels	F316, G308, G311, G313, G315, G361	63CC-2	40 CFR Part 63, Subpart CC	GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel., APPLICABILITY = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPTKEFR7	Storage Tanks/Vessels	F314, F326, G358, G359, T1F324	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRPTKEFR7	Storage Tanks/Vessels	F314, F326, G358, G359, T1F324	R5112-2	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.5 psia
GRPTKEFR7	Storage Tanks/Vessels	F314, F326, G358, G359, T1F324	R5112-4	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is less than 1.0 psia
GRPTKEFR7	Storage Tanks/Vessels	F314, F326, G358, G359, T1F324	63CC-1	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = External floating roof, GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
GRPTKEFR7	Storage Tanks/Vessels	F314, F326, G358, G359, T1F324	63CC-2	40 CFR Part 63, Subpart CC	GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel., APPLICABILITY = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					process unit.
GRPTKEFR9	Storage Tanks/Vessels	TA305, TA306, TA307	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRPTKEFR9	Storage Tanks/Vessels	TA305, TA306, TA307	R5112-2	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.5 psia
GRPTKEFR9	Storage Tanks/Vessels	TA305, TA306, TA307	R5112-3	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is less than 1.0 psia
GRPTKEFR9	Storage Tanks/Vessels	TA305, TA306, TA307	63CC-1	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = External floating roof, GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
GRPTKEFR9	Storage Tanks/Vessels	TA305, TA306, TA307	63CC-2	40 CFR Part 63, Subpart CC	GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel., APPLICABILITY = The storage vessel is required to

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					comply with 40 CFR Part 63, Subpart CC and is part of a process unit.
GRPTKFXD1	Storage Tanks/Vessels	G322, G347, G348, J304, J315, J316, J322, J323, J324, J336, J337, J338, K303, S305	R5112-6	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTKFXD1	Storage Tanks/Vessels	G322, G347, G348, J304, J315, J316, J322, J323, J324, J336, J337, J338, K303, S305	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
GRPTKFXD3	Storage Tanks/Vessels	J301, J303, J305	R5112-6	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTKFXD4	Storage Tanks/Vessels	AP1, AP16, AP17, AP2, AP4, D363, J302, J306, J308, J309, J325, J326, J327, J328, J331, J332, J348, J349, K301, K302, K310, K311, M301, M302, S402	R5112-6	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTKFXD5	Storage Tanks/Vessels	S306, SS375, T1211	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTKFXD5	Storage Tanks/Vessels	S306, SS375, T1211	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
GRPTKFXD6	Storage Tanks/Vessels	S312, S318, SS308, SS343, SS364, SS388, T1710, T93402	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTKIFR1	Storage Tanks/Vessels	AP8, T1F329, T1F330	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRPTKIFR1	Storage Tanks/Vessels	AP8, T1F329, T1F330	R5112-2	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.5 psia
GRPTKIFR1	Storage Tanks/Vessels	AP8, T1F329, T1F330	63CC-1	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = Fixed roof and an internal floating roof, GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
GRPTKIFR1	Storage Tanks/Vessels	AP8, T1F329, T1F330	63CC-2	40 CFR Part 63, Subpart CC	GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel., APPLICABILITY = The storage vessel is required to

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					comply with 40 CFR Part 63, Subpart CC and is part of a process unit.
GRPTKIFR10	Storage Tanks/Vessels	SS377, SS378	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTKIFR10	Storage Tanks/Vessels	SS377, SS378	60K-1	40 CFR Part 60, Subpart K	No changing attributes.
GRPTKIFR10	Storage Tanks/Vessels	SS377, SS378	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
GRPTKIFR2	Storage Tanks/Vessels	TA312, TA313, TA315, TA316, TG324	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRPTKIFR2	Storage Tanks/Vessels	TA312, TA313, TA315, TA316, TG324	R5112-2	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.5 psia
GRPTKIFR2	Storage Tanks/Vessels	TA312, TA313, TA315, TA316, TG324	63CC-1	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = Fixed roof and an internal floating roof, GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPTKIFR2	Storage Tanks/Vessels	TA312, TA313, TA315, TA316, TG324	63CC-2	40 CFR Part 63, Subpart CC	GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel., APPLICABILITY = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.
GRPTKIFR3	Storage Tanks/Vessels	SS376, SS379	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTKIFR3	Storage Tanks/Vessels	SS376, SS379	60K-1	40 CFR Part 60, Subpart K	No changing attributes.
GRPTKIFR3	Storage Tanks/Vessels	SS376, SS379	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
GRPTKIFR4	Storage Tanks/Vessels	TJ333, TJ334, TJ335	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRPTKIFR4	Storage Tanks/Vessels	TJ333, TJ334, TJ335	R5112-2	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.5 psia
GRPTKIFR4	Storage Tanks/Vessels	TJ333, TJ334, TJ335	63CC-1	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = Fixed roof and an internal floating roof, GROUP 1

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
GRPTKIFR4	Storage Tanks/Vessels	TJ333, TJ334, TJ335	63CC-2	40 CFR Part 63, Subpart CC	GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel., APPLICABILITY = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.
GRPTKIFR5	Storage Tanks/Vessels	G352, K304	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRPTKIFR5	Storage Tanks/Vessels	G352, K304	R5112-2	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.5 psia
GRPTKIFR5	Storage Tanks/Vessels	G352, K304	63CC-1	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = Fixed roof and an internal floating roof, GROUP 1 STORAGE VESSEL = The



### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
GRPTKIFR5	Storage Tanks/Vessels	G352, K304	63CC-2	40 CFR Part 63, Subpart CC	GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel., APPLICABILITY = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.
GRPTKIFR6	Storage Tanks/Vessels	AP5, AP7, G310, G320	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRPTKIFR6	Storage Tanks/Vessels	AP5, AP7, G310, G320	R5112-2	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.5 psia
GRPTKIFR6	Storage Tanks/Vessels	AP5, AP7, G310, G320	63CC-1	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = Fixed roof and an internal floating roof, GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					storage vessel (as defined in 40 CFR § 63.641)
GRPTKIFR6	Storage Tanks/Vessels	AP5, AP7, G310, G320	63CC-2	40 CFR Part 63, Subpart CC	GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel., APPLICABILITY = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.
GRPTKIFR7	Storage Tanks/Vessels	G314, G319, J312	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
GRPTKIFR7	Storage Tanks/Vessels	G314, G319, J312	R5112-2	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.5 psia
GRPTKIFR7	Storage Tanks/Vessels	G314, G319, J312	63CC-1	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = Fixed roof and an internal floating roof, SEAL TYPE = Liquid-mounted seal, GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					storage vessel (as defined in 40 CFR § 63.641)
GRPTKIFR7	Storage Tanks/Vessels	G314, G319, J312	63CC-2	40 CFR Part 63, Subpart CC	GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel., APPLICABILITY = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.
GRPTKIFR8	Storage Tanks/Vessels	F366, F367	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTKIFR8	Storage Tanks/Vessels	F366, F367	60KB-1	40 CFR Part 60, Subpart Kb	No changing attributes.
GRPTKIFR8	Storage Tanks/Vessels	F366, F367	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
GRPTKIFR9	Storage Tanks/Vessels	F364, F365	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTKIFR9	Storage Tanks/Vessels	F364, F365	60KB-1	40 CFR Part 60, Subpart Kb	No changing attributes.
GRPTKIFR9	Storage Tanks/Vessels	F364, F365	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
GRPTKLUB1	Storage Tanks/Vessels	DW103, DW104, FP182, FP190, J311	R5112-6	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTKLUB3	Storage Tanks/Vessels	FP194, FP195, VA03, VA04	R5112-6	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
J317	Storage Tanks/Vessels	N/A	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					than 1.5 psia
J317	Storage Tanks/Vessels	N/A	R5112-2	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.5 psia
J317	Storage Tanks/Vessels	N/A	63CC-1	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = Fixed roof and an internal floating roof, GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
J317	Storage Tanks/Vessels	N/A	63CC-2	40 CFR Part 63, Subpart CC	GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel., APPLICABILITY = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.
J318	Storage Tanks/Vessels	N/A	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
J318	Storage Tanks/Vessels	N/A	R5112-2	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.5 psia
J318	Storage Tanks/Vessels	N/A	60KB-1	40 CFR Part 60, Subpart Kb	MAXIMUM TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
J318	Storage Tanks/Vessels	N/A	60KB-2	40 CFR Part 60, Subpart Kb	MAXIMUM TVP = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
J318	Storage Tanks/Vessels	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
S339	Storage Tanks/Vessels	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
S429	Storage Tanks/Vessels	N/A	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
S429	Storage Tanks/Vessels	N/A	R5112-2	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.5 psia
S429	Storage Tanks/Vessels	N/A	R5112-3	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is less than 1.0 psia
S429	Storage Tanks/Vessels	N/A	63CC-1	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = External floating roof, GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
S429	Storage Tanks/Vessels	N/A	63CC-2	40 CFR Part 63, Subpart CC	GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel., APPLICABILITY = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.
SS425	Storage Tanks/Vessels	N/A	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
SS425	Storage Tanks/Vessels	N/A	60KB-1	40 CFR Part 60, Subpart Kb	No changing attributes.
SS425	Storage Tanks/Vessels	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
T1F348	Storage Tanks/Vessels	N/A	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
T1F348	Storage Tanks/Vessels	N/A	R5112-2	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.5 psia

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
T1F348	Storage Tanks/Vessels	N/A	R5112-4	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is less than 1.0 psia
T1F348	Storage Tanks/Vessels	N/A	63CC-1	40 CFR Part 63, Subpart CC	EXISTING SOURCE = The storage vessel is at an existing source., TRUE VAPOR PRESSURE = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), EMISSION CONTROL TYPE = External floating roof, GROUP 1 STORAGE VESSEL = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641)
T1F348	Storage Tanks/Vessels	N/A	63CC-2	40 CFR Part 63, Subpart CC	GROUP 1 STORAGE VESSEL = The storage vessel is a Group 2 vessel., APPLICABILITY = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.
T304	Storage Tanks/Vessels	N/A	60Kb-2	40 CFR Part 60, Subpart Kb	MAXIMUM TVP = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
T304	Storage Tanks/Vessels	N/A	60Kb-3	40 CFR Part 60, Subpart Kb	MAXIMUM TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					psia
T304	Storage Tanks/Vessels	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
T304	Storage Tanks/Vessels	N/A	63CC-1	40 CFR Part 63, Subpart G	No changing attributes.
T316	Storage Tanks/Vessels	N/A	R5112-1	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia
T316	Storage Tanks/Vessels	N/A	R5112-2	30 TAC Chapter 115, Storage of VOCs	TRUE VAPOR PRESSURE = True vapor pressure is greater than or equal to 1.5 psia
T316	Storage Tanks/Vessels	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
T93002	Storage Tanks/Vessels	N/A	R5112-6	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T93002	Storage Tanks/Vessels	N/A	60KB-1	40 CFR Part 60, Subpart Kb	No changing attributes.
TK305	Storage Tanks/Vessels	N/A	R5112-6	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
V1111	Storage Tanks/Vessels	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
V329	Storage Tanks/Vessels	N/A	63CC-1	40 CFR Part 63, Subpart CC	No changing attributes.
X322	Storage Tanks/Vessels	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
X322	Storage Tanks/Vessels	N/A	63CC-1	40 CFR Part 63, Subpart G	No changing attributes.
X323	Storage Tanks/Vessels	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
X323	Storage Tanks/Vessels	N/A	63CC-1	40 CFR Part 63, Subpart G	No changing attributes.



### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
X330	Storage Tanks/Vessels	N/A	60QQQ-1	40 CFR Part 60, Subpart QQQ	No changing attributes.
PAINTFE	Surface Coating Operations	N/A	R5421-1	30 TAC Chapter 115, Surface Coating Operations	No changing attributes.
PROBWN	Treatment Process	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
GRPBENZSEP	Volatile Organic Compound Water Separators	T306, T307	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
GRPBENZSEP	Volatile Organic Compound Water Separators	T306, T307	63CC-1	40 CFR Part 63, Subpart G	No changing attributes.
GRPBENZIGF	Wastewater Units	T308, T309	R5140-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
GRPBENZSEP	Wastewater Units	T306, T307	R5140-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
GRPBENZTK	Wastewater Units	X315, X320, X321	R5140-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
GRPBWNTK1	Wastewater Units	T301, T302	R5140-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
GRPBWNTK2	Wastewater Units	T303, T305	R5140-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
GRPSEPARAT	Wastewater Units	CCLP, CPI1, CPI2, DD2, MANHOLE4, TC&G, X330SM	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
GRPWWIFR	Wastewater Units	X311, X312	R5140-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
GRPWWTK	Wastewater Units	S412, T1212, T9572, X316, X324, X325, X326, X327, X328	R5140-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
S339	Wastewater Units	N/A	R5140-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
T304	Wastewater Units	N/A	R5140-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
X322	Wastewater Units	N/A	R5140-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
X323	Wastewater Units	N/A	R5140-1	30 TAC Chapter 115, Industrial Wastewater	No changing attributes.
X330	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)
GRP-DUCT	EU	R7ICI	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(1)(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 <sub>x</sub> 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)(2)(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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3)
GRP-DUCT	EU	R7ICI	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 <sub>2</sub> , 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	§ 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)
GRP-DUCT	EU	R7ICI	NH <sub>3</sub>	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 <sub>x</sub> control, ammonia emissions must not exceed 10 ppmv at 3.0% O <sub>2</sub> , dry.	§ 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g) § 117.340(d)	§ 117.345(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)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-DUCT	EU	6oDb-1	SO <sub>2</sub>	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)
GRP-DUCT	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)
GRP-DUCT	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)
GRP-DUCT	EU	6oDb-1	NO <sub>x</sub>	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	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						fuels combusted in the unit > 29 MW (100 MMBtu/hr).			
FLARECCU	EU	63G-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.149(a) § 63.11 § 63.139(b) § 63.139(c)(3) § 63.139(f) [G]§ 63.145(j) § 63.172(a) [G]§ 63.172(h) § 63.172(i)	Owner shall comply with the provisions of table 35 of this subpart, for each item of equipment meeting all the criteria specified in (b)-(d) and either paragraph (e)(1) or (e)(2) of this section.	§ 63.139(d)(3) § 63.139(e) § 63.143(e) § 63.143(e)(1) § 63.143(g) [G]§ 63.145(j) [G]§ 63.172(f)(1) [G]§ 63.172(f)(2) § 63.172(g) [G]§ 63.172(h) [G]§ 63.172(k) [G]§ 63.172(l) [G]§ 63.172(l) [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.145(a)(3) [G]§ 63.145(a)(4) § 63.147(b)(2) § 63.147(b)(5) § 63.147(b)(7) § 63.147(d) § 63.147(d)(1) [G]§ 63.152(a) [G]§ 63.172(k) [G]§ 63.172(l) § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3)	§ 63.146(b)(7) [G]§ 63.146(b)(7)(i) § 63.146(e) § 63.146(e)(1) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) [G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FLAREEP	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)
FLAREEP	EU	63G-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.149(a) § 63.11 § 63.139(b) § 63.139(c)(3)	Owner shall comply with the provisions of table 35 of this subpart, for each item of equipment	§ 63.139(d)(3) § 63.139(e) § 63.143(e) § 63.143(e)(1)	§ 63.145(a)(3) [G]§ 63.145(a)(4) § 63.147(b)(2) § 63.147(b)(5)	§ 63.146(b)(7) [G]§ 63.146(b)(7)(i) § 63.146(e) § 63.146(e)(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)
					§ 63.139(f) [G]§ 63.145(j) § 63.172(a) [G]§ 63.172(h) § 63.172(i)	meeting all the criteria specified in (b)-(d) and either paragraph (e)(1) or (e)(2) of this section.	§ 63.143(g) [G]§ 63.145(j) [G]§ 63.172(f)(1) [G]§ 63.172(f)(2) § 63.172(g) [G]§ 63.172(h) [G]§ 63.172(k) [G]§ 63.172(l) [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.147(b)(7) § 63.147(d) § 63.147(d)(1) [G]§ 63.152(a) [G]§ 63.172(k) [G]§ 63.172(l) § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3)	[G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) [G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FLARESOUTH	EU	63G-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.149(a) § 63.11 § 63.139(b) § 63.139(c)(3) § 63.139(f) [G]§ 63.145(j) § 63.172(a) [G]§ 63.172(h) § 63.172(i)	Owner shall comply with the provisions of table 35 of this subpart, for each item of equipment meeting all the criteria specified in (b)-(d) and either paragraph (e)(1) or (e)(2) of this section.	§ 63.139(d)(3) § 63.139(e) § 63.143(e) § 63.143(e)(1) § 63.143(g) [G]§ 63.145(j) [G]§ 63.172(f)(1) [G]§ 63.172(f)(2) § 63.172(g) [G]§ 63.172(h) [G]§ 63.172(k) [G]§ 63.172(l) [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.145(a)(3) [G]§ 63.145(a)(4) § 63.147(b)(2) § 63.147(b)(5) § 63.147(b)(7) § 63.147(d) § 63.147(d)(1) [G]§ 63.152(a) [G]§ 63.172(k) [G]§ 63.172(l) § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3)	§ 63.146(b)(7) [G]§ 63.146(b)(7)(i) § 63.146(e) § 63.146(e)(1) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) [G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FLAREWP	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 §§61.343-61.348,	§ 60.18(f)(2) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f)	§ 61.354(c) § 61.354(c)(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)	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)	
FLAREWP	EU	63G-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.149(a) § 63.11 § 63.139(b) § 63.139(c)(3) § 63.139(f) [G]§ 63.145(j) § 63.172(a) [G]§ 63.172(h) § 63.172(i)	Owner shall comply with the provisions of table 35 of this subpart, for each item of equipment meeting all the criteria specified in (b)-(d) and either paragraph (e)(1) or (e)(2) of this section.	§ 63.139(d)(3) § 63.139(e) § 63.143(e) § 63.143(e)(1) § 63.143(g) [G]§ 63.145(j) [G]§ 63.172(f)(1) [G]§ 63.172(f)(2) § 63.172(g) [G]§ 63.172(h) [G]§ 63.172(k) [G]§ 63.172(l) [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.145(a)(3) [G]§ 63.145(a)(4) § 63.147(b)(2) § 63.147(b)(5) § 63.147(b)(7) § 63.147(d) § 63.147(d)(1) [G]§ 63.152(a) [G]§ 63.172(k) [G]§ 63.172(l) § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3)	§ 63.146(b)(7) [G]§ 63.146(b)(7)(i) § 63.146(e) § 63.146(e)(1) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) [G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
A1000-FL1	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
A1000-FL2	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4)	A vent gas stream having a combined weight of	[G]§ 115.125 § 115.126(2)	§ 115.126 § 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)
				Controls	§ 115.127(a)(2)	volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.126(3)(B)	§ 115.126(3) § 115.126(3)(B)	
A1006-FL1	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
A1006-FL2	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
A10823-FL1	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
A10823-FL2	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4)	A vent gas stream having a combined weight of	[G]§ 115.125 § 115.126(2)	§ 115.126 § 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)
				Controls	§ 115.127(a)(2)	volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.126(3)(B)	§ 115.126(3) § 115.126(3)(B)	
A1284-FL	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
A1301-FL	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
A1301-FL	EP	63MACTCC-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(e) [G]§ 63.645(f) § 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)
A140-FL	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	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(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)
						lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).			
A1660B	EP	R1111-01	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
A1746-FL	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
A1746-FL	EP	63MACTCC-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(e) [G]§ 63.645(f) § 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)
A200-FL	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

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
A267-FL	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
A285-FL	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
A301-FL	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
A309-FL	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

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
A330-FL	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
A350-FL	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
A380-FL	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
A422-FL	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(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)
A422-FL	EP	63MACTCC-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(e) [G]§ 63.645(f) § 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)
A503-FL	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
A518-FL1	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
A518-FL2	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
A519-FL	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4)	A vent gas stream having a combined weight of	[G]§ 115.125 § 115.126(2)	§ 115.126 § 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)
				Controls	§ 115.127(a)(2)	volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	§ 115.126(3)(B)	§ 115.126(3) § 115.126(3)(B)	
A519-FL	EP	63MACTCC-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(e) [G]§ 63.645(f) § 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)
A9267-FL	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
A9268-FL	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
A9268-FL	EP	63MACTCC-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	[G]§ 63.645(e) [G]§ 63.645(f) § 63.645(h) § 63.645(h)(1)	§ 63.655(g)(7)(ii) § 63.655(i)(5)	§ 63.645(h)(2) § 63.655(f) § 63.655(f)(1)(ii) § 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)
						paragraph (a) of this section are part of the affected source.	§ 63.645(h)(2)		§ 63.655(g)(7) § 63.655(g)(7)(i)
A9315-FL	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
A9315-FL	EP	63MACTCC-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(e) [G]§ 63.645(f) § 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)
AE2340	EP	R1111-01	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
AE2636	EP	R1111-01	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
AE2650	EP	R1111-01	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

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
AE348	EP	R1111-01	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
AE349	EP	R1111-01	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
AE388	EP	R1111-01	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
AE389	EP	R1111-01	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
AE700	EP	R1111-01	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
AE768	EP	R1111-01	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
AR300-FL	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	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(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)
						lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).			
AR300-FL	EP	63MACTCC-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(e) [G]§ 63.645(f) § 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)
BWN VENT	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
BWN VENT	EP	63MACTCC-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)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
C9150	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
C9151	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
C9152	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
C9153	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(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)
CDUCT1	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
CDUCT2	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
DEG ACID	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
DEG ACID	EP	63MACTCC-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	[G]§ 63.645(e) [G]§ 63.645(f) § 63.645(h) § 63.645(h)(1)	§ 63.655(g)(7)(ii) § 63.655(i)(5)	§ 63.645(h)(2) § 63.655(f) § 63.655(f)(1)(ii) § 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)
						paragraph (a) of this section are part of the affected source.	§ 63.645(h)(2)		§ 63.655(g)(7) § 63.655(g)(7)(i)
DEPNP COND	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
DEPNP COND	EP	63MACTCC-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(e) [G]§ 63.645(f) § 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)
DHTVAC	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
H1000	EP	R1111-01	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
H1000	EP	R5720-1	HIGHLY REACTIVE	30 TAC Chapter 115, HRVOC	§ 115.722(c)(1) § 115.722(c)(3)	HRVOC emissions at each site located in	§ 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)

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			VOC	Vent Gas	§ 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)	Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(A) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n)	§ 115.726(b)(3) [G]§ 115.726(g) [G]§ 115.726(h) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	§ 115.725(n) [G]§ 115.726(a)(2)
H1010	EP	R1111-01	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
H1010	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H1011	EP	R1111-01	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
H1011	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 115.725(a)(1)(A) § 115.725(a)(1)(B)	HRVOC emissions at each site located in Harris County that is subject to this division or	§ 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) [G]§ 115.726(g) [G]§ 115.726(g)	[G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2)	Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 115.725(a)(3) § 115.725(a)(3)(A) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n)	[G]§ 115.726(h) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	
H1100	EP	R1111-01	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
H1100	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 115.725(a) § 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)(5) [G]§ 115.725(l) § 115.725(n)	§ 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H1170	EP	R1111-01	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
H1170	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not	§ 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)(A)	§ 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) [G]§ 115.726(g) [G]§ 115.726(h) § 115.726(i)	[G]§ 115.725(a)(4) § 115.725(a)(5) § 115.725(n) [G]§ 115.726(a)(2)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 115.725(a)(4) [G]§ 115.725(l) [G]§ 115.726(a)(2)	exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	[G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n)	§ 115.726(j)(1) § 115.726(j)(2)	
H31001	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H31002	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H31003	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 115.725(a)(1)(A) § 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) [G]§ 115.725(a)(4)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds 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)(A) [G]§ 115.725(a)(4)	§ 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) [G]§ 115.726(g) [G]§ 115.726(h) § 115.726(i) § 115.726(j)(1)	[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)
					[G]§ 115.725(l) [G]§ 115.726(a)(2)	HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 115.725(a)(5) [G]§ 115.725(l) § 115.725(n)	§ 115.726(j)(2)	
H3300	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H332V	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
H36100	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						any combination.			
H5100	EP	R1111-01	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
H5100	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H5101	EP	R1111-01	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
H5101	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H5102	EP	R1111-01	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
H5102	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H5103	EP	R1111-01	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
H5103	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H5104	EP	R5720-1	HIGHLY REACTIVE	30 TAC Chapter 115, HRVOC	§ 115.722(c)(1) § 115.722(c)(3)	HRVOC emissions at each site located in	§ 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	Vent Gas	§ 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)	Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(A) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n)	§ 115.726(b)(3) [G]§ 115.726(g) [G]§ 115.726(h) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	§ 115.725(n) [G]§ 115.726(a)(2)
H5105	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 115.725(a) § 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)(5) [G]§ 115.725(l) § 115.725(n)	§ 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H5200	EP	R1111-01	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
H5200	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief	§ 115.725(a) § 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)(5) [G]§ 115.725(l) § 115.725(n)	§ 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) [G]§ 115.726(g) [G]§ 115.726(h) § 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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						valve, cooling tower, or any combination.			
H5301	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H5302	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H5303	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
						any combination.			
H5304	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H5305	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H5350	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H53NN	EP	R1111-01	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
H5400	EP	R1111-01	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
H5400	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H5402	EP	R1111-01	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
H5402	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any	§ 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)(A) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l)	§ 115.726(b)(1) § 115.726(b)(2) § 115.726(b)(3) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
						flare, vent, pressure relief valve, cooling tower, or any combination.	§ 115.725(n)		
H5403	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H5404	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H5500	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
						valve, cooling tower, or any combination.			
H5500A	EP	R1111-01	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
H5500B	EP	R1111-01	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
H5500C	EP	R1111-01	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
H5600	EP	R1111-01	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
H5600	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H600	EP	R1111-01	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E) § 111.111(a)(3)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	§ **See Alternative Monitoring Plan [G]§ 111.111(a)(1)(F)	None	None
H613	EP	R1111-01	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
H613	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H63000	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
H70002	EP	R5720-1	HIGHLY REACTIVE	30 TAC Chapter 115, HRVOC	§ 115.722(c)(1) § 115.722(c)(3)	HRVOC emissions at each site located in	§ 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	Vent Gas	§ 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)	Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 115.725(a)(1)(B) § 115.725(a)(1)(C) § 115.725(a)(3) § 115.725(a)(3)(A) [G]§ 115.725(a)(4) § 115.725(a)(5) [G]§ 115.725(l) § 115.725(n)	§ 115.726(b)(3) [G]§ 115.726(g) [G]§ 115.726(h) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	§ 115.725(n) [G]§ 115.726(a)(2)
H7302	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(c)(1) § 115.722(c)(3) § 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)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 2 of this subchapter must not exceed 1,200 pounds of HRVOC per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 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)(A) [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) [G]§ 115.726(g) [G]§ 115.726(h) § 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)
IA88017-FL	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
L2COMPVT	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	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(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)
						period is exempt from the requirements of § 115.121(a)(1).			
MRCM C4 VENT	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
MRCM C4 VENT1	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
MRCM C4 VENT2	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
MTBE DEGASSER	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	[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)
						properly in accordance with §115.122(a)(1) of this title.			
MTBE DEGASSER	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(e) [G]§ 63.645(f) § 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)
V-1024	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
V-1046	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
V-1052	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 §	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(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)
						115.121(a)(1).			
V1074	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
V1298	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
V1299	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
V31001	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	[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)
						title.			
V31002	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
V31003	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
V31004	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
V54	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 §	[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).			
V54	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
V5518	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
V5518	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
V5527	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
V5527	EP	63MACTCC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(1)	All miscellaneous process vents from petroleum	[G]§ 63.645(e) [G]§ 63.645(f)	§ 63.655(g)(7)(ii) § 63.655(i)(5)	§ 63.645(h)(2) § 63.655(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.	§ 63.645(h) § 63.645(h)(1) § 63.645(h)(2)		§ 63.655(f)(1)(ii) § 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i)
V601	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
V602	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
V9160	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(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
WW DEGASSER	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	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(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)
						lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).			
WW DEGASSER	EP	63MACTCC-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(e) [G]§ 63.645(f) § 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)
CR3	EU	63UUU	TOC	40 CFR Part 63, Subpart UUU	§ 63.1566(a)(1)(i)-Table 15.1 § 63.1566(a)(1) § 63.1566(a)(2) § 63.1566(a)(2)-Table 16.1 § 63.1566(a)(3) § 63.1566(a)(4) § 63.1566(a)(5) § 63.1566(b)(3) § 63.1566(b)(4) § 63.1566(b)(6) § 63.1566(b)(6)-Table 19.1 § 63.1566(c)(1) § 63.1566(c)(2) § 63.1570(a) § 63.1570(b) § 63.1570(c) § 63.1570(d) § 63.1570(g) [G]§ 63.1571(e)	For each applicable process vent for a new or existing catalytic reforming unit, you must vent emissions of total organic compounds (TOC) to a flare that meets the control device requirements in §63.11(b) (Option 1). Visible emissions from a flare must not exceed a total of 5 minutes during any 2-hour operating period.	§ 63.1566(b)(1) § 63.1566(b)(1)-Table 17.1 § 63.1566(b)(2) § 63.1566(b)(2)-Table 18.1.a § 63.1566(b)(2)-Table 18.1.b § 63.1566(c)(1)-Table 20.1 § 63.1566(c)(1)-Table 21.1 § 63.1571(a) § 63.1571(a)(1) [G]§ 63.1571(b) [G]§ 63.1571(d)	§ 63.1566(c)(1)-Table 21.1 § 63.1570(c) [G]§ 63.1576(a) § 63.1576(c) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1566(b)(7) § 63.1566(b)(8) § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h)
CR3	EU	63UUU	HCL	40 CFR Part 63, Subpart UUU	§ 63.1567(a)(1)-Table 22.2 § 63.1567(a)(1)	For each existing semi-regenerative CRU, you must reduce uncontrolled	§ 63.1567(b)(1) § 63.1567(b)(1)-Table 24.1	§ 63.1567(b)(1)-Table 24.1 § 63.1567(b)(2)-Table	§ 63.1567(b)(6) § 63.1567(b)(7) § 63.1570(f)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.1567(a)(1)(i) § 63.1567(a)(1)(ii) § 63.1567(a)(2) § 63.1567(a)(2)-Table 23.1 § 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)-Table 26.2 § 63.1567(c)(1) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g) § 63.1571(d)(4) [G]§ 63.1571(e)	emissions of hydrogen chloride (HCl) by 92 percent by weight or to a concentration of 30 ppmv (dry basis), corrected to 3% oxygen.	§ 63.1567(b)(2) § 63.1567(b)(2)-Table 25.1.a(1) § 63.1567(b)(2)-Table 25.1.a(2) § 63.1567(b)(2)-Table 25.1.b § 63.1567(b)(2)-Table 25.1.c § 63.1567(b)(2)-Table 25.1.d § 63.1567(b)(2)-Table 25.1.e(3) § 63.1567(b)(2)-Table 25.1.e(1) § 63.1567(b)(2)-Table 25.1.e.(2) § 63.1567(b)(2)-Table 25.1.e.(4) § 63.1567(b)(2)-Table 25.2.a.i § 63.1567(b)(2)-Table 25.2.b.i § 63.1567(b)(2)-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)	25.2.a.i § 63.1567(b)(2)-Table 25.2.b.i § 63.1567(c)(1)-Table 28.1.a § 63.1567(c)(1)-Table 28.1.b § 63.1567(c)(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)	§ 63.1571(a) § 63.1571(d)(4) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h)
FCCU	EU	63UUU	PM(OPACI)	40 CFR Part 63,	§ 63.1564(a)(1)-Table 1.1	For each new or existing	§ 63.1564(c)(1)-Table	§ 63.1564(c)(2)	§ 63.1564(b)(6)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			TY)	Subpart UUU	§ 63.1564(a)(1) § 63.1564(a)(3) § 63.1564(a)(4) § 63.1564(a)(5) § 63.1564(a)(5)-Table 5.1 § 63.1570(b) § 63.1570(c) § 63.1570(d) § 63.1570(g) [G]§ 63.1573(f)(1) § 63.1573(f)(2)	CCU subject to NSPS for PM in 40 CFR §60.102, opacity of emissions must not exceed 30%, except for one 6-minute average opacity reading in any 1-hour period.	6.1.a.i [G]§ 63.1572(d) **See Alternative Monitoring Plan	§ 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)	§ 63.1564(b)(7) § 63.1570(f) § 63.1573(f)(3) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) [G]§ 63.1575(i)
FCCU	EU	63UUU	PM	40 CFR Part 63, Subpart UUU	§ 63.1564(a)(1)-Table 1.1 § 63.1564(a)(1) § 63.1564(a)(3) § 63.1564(a)(4) § 63.1564(a)(5) § 63.1564(b)(5) § 63.1564(b)(5)-Table 5.1 § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g) [G]§ 63.1573(f)(1) § 63.1573(f)(2)	For each new or existing CCU subject to NSPS for PM in 40 CFR §60.102, PM emissions must not exceed 1.0 kg/1,000 kg (1.0 lb/1,000 lbs) of coke burn-off in the catalyst regenerator and, if applicable, the incremental rate of PM emissions must not exceed 43.0 g/GJ (0.10 lb/MMBtu) of heat input attributable to auxiliary or supplemental fired liquid or solid fossil fuel.	§ 63.1564(c)(1)-Table 6.1.a.i [G]§ 63.1572(d) ** See Alternative Monitoring Plan	§ 63.1564(c)(2) § 63.1570(c) [G]§ 63.1576(a) § 63.1576(d) § 63.1576(e) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1564(b)(6) § 63.1564(b)(7) § 63.1570(f) § 63.1573(f)(3) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) [G]§ 63.1575(i)
FCCU	EU	63UUU	CO	40 CFR Part 63, Subpart UUU	§ 63.1565(a)(1)-Table 8.1 § 63.1565(a)(1) § 63.1565(a)(2)	For each new and existing CCU subject to the NSPS for CO in 40	§ 63.1565(b)(1) § 63.1565(b)(1)-Table 10.1	§ 63.1565(b)(1)-Table 10.1 § 63.1570(c)	§ 63.1565(b)(5) § 63.1565(b)(6) § 63.1570(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.1565(a)(2)-Table 9.1 § 63.1565(a)(3) § 63.1565(a)(4) § 63.1565(b)(3) § 63.1565(b)(4) § 63.1565(b)(4)-Table 12.1 § 63.1565(c)(1) § 63.1565(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g) [G]§ 63.1571(e)	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(c)(1)-Table 13.1 § 63.1565(c)(1)-Table 14.1 [G]§ 63.1571(b) § 63.1572(a) § 63.1572(a)(1) § 63.1572(a)(1)-Table 40.2 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d) [G]§ 63.1573(a)(2)	[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)	[G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) [G]§ 63.1575(i)
FLARECOKE	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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) [G]§ 60.105(a)(4)(iv) [G]§ 60.105(b) § 60.105(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) [G]§ 60.105(a)(4)(iv) § 60.107(e)	[G]§ 60.105(b) § 60.105(e) § 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
FLAREEP	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) [G]§ 60.105(a)(4)(iv) [G]§ 60.105(b)	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) [G]§ 60.105(a)(4)(iv) § 60.107(e)	[G]§ 60.105(b) § 60.105(e) § 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						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(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1)		
FLAREGIRB	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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) [G]§ 60.105(a)(4)(iv) [G]§ 60.105(b) § 60.105(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) [G]§ 60.105(a)(4)(iv) § 60.107(e)	[G]§ 60.105(b) § 60.105(e) § 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
FLARENP	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) [G]§ 60.105(a)(4)(iv) [G]§ 60.105(b) § 60.105(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) [G]§ 60.105(a)(4)(iv) § 60.107(e)	[G]§ 60.105(b) § 60.105(e) § 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.			
FLAREWP	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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) [G]§ 60.105(a)(4)(iv) [G]§ 60.105(b) § 60.105(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) [G]§ 60.105(a)(4)(iv) § 60.107(e)	[G]§ 60.105(b) § 60.105(e) § 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
GRP-DUCT	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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	§ 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) § 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) § 60.107(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)
						malfunctions is exempt from this paragraph.			
GRP-FURN	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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) § 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) § 60.107(f) § 60.107(g)
GRPHTR2	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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) § 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) § 60.107(f) § 60.107(g)
GRPHTR3	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60,	§ 60.104(a)(1)	No owner or operator	§ 60.105(a)	§ 60.105(a)	§ 60.105(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)
			N SULFIDE	Subpart J	§ 60.104 § 60.104(a)	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)(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(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
GRPHTR4	EU	60J-1	HYDROGE N SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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) § 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) § 60.107(f) § 60.107(g)
GRPHTR6	EU	60J-1	HYDROGE N SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii)	§ 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) § 60.107(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)
						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(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1)		
GRPHTR7	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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) § 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) § 60.107(f) § 60.107(g)
GRPSRU345	PRO	60J-1	SO <sub>2</sub>	40 CFR Part 60, Subpart J	§ 60.104(a)(2)(ii) § 60.104 § 60.104(a) § 60.104(a)(2)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge from any Claus sulfur recovery plant with a reduction control system not followed by incineration any gases	§ 60.105(a) [G]§ 60.105(a)(7) § 60.105(e) § 60.105(e)(4)(iii) § 60.106(a) [G]§ 60.106(f)	§ 60.105(a) [G]§ 60.105(a)(7)	§ 60.105(e) § 60.105(e)(4)(iii) § 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)
						containing in excess of 300 ppm by volume of reduced sulfur compounds and 10 ppm by volume of hydrogen sulfide (H <sub>2</sub> S), each calculated as ppm SO <sub>2</sub> by volume (dry basis) at zero percent excess air.			
GRPSRU678	PRO	60J-1	SO <sub>2</sub>	40 CFR Part 60, Subpart J	§ 60.104(a)(2)(ii) § 60.104 § 60.104(a) § 60.104(a)(2)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge from any Claus sulfur recovery plant with a reduction control system not followed by incineration any gases containing in excess of 300 ppm by volume of reduced sulfur compounds and 10 ppm by volume of hydrogen sulfide (H <sub>2</sub> S), each calculated as ppm SO <sub>2</sub> by volume (dry basis) at zero percent excess air.	§ 60.105(a) [G]§ 60.105(a)(7) § 60.105(e) § 60.105(e)(4)(iii) § 60.106(a) [G]§ 60.106(f)	§ 60.105(a) [G]§ 60.105(a)(7)	§ 60.105(e) § 60.105(e)(4)(iii) § 60.107(f) § 60.107(g)
H1000	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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	§ 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) § 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) § 60.107(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)
						fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.			
H1001	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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) § 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) § 60.107(f) § 60.107(g)
H1100	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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	§ 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) § 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) § 60.107(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)
						malfunctions is exempt from this paragraph.			
H31003	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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) § 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) § 60.107(f) § 60.107(g)
H3300	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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) § 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) § 60.107(f) § 60.107(g)
H36100	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60,	§ 60.104(a)(1)	No owner or operator	§ 60.105(a)	§ 60.105(a)	§ 60.105(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			N SULFIDE	Subpart J	§ 60.104 § 60.104(a)	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)(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(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
H5101	EU	60J-1	HYDROGE N SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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) § 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) § 60.107(f) § 60.107(g)
H5102	EU	60J-1	HYDROGE N SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any	§ 60.105(a) § 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii)	§ 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) § 60.107(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)
						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(e) § 60.105(e)(3)(ii) § 60.106(a) [G]§ 60.106(e)(1)		
H5104	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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) § 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) § 60.107(f) § 60.107(g)
H5105	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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	§ 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) § 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) § 60.107(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)
						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.			
H5305	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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) § 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) § 60.107(f) § 60.107(g)
H5350	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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	§ 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) § 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) § 60.107(f) § 60.107(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						relief valve leakage or other emergency malfunctions is exempt from this paragraph.			
H5403	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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) § 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) § 60.107(f) § 60.107(g)
H5404	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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) § 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) § 60.107(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)
H5500	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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) § 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) § 60.107(f) § 60.107(g)
H600	EU	60J-1	SO2	40 CFR Part 60, Subpart J	§ 60.104(b)(1) § 60.104 § 60.104(b) § 60.104(c) § 60.104(d)	For each affected fluid catalytic cracking unit catalyst regenerator with an add-on control device, reduce sulfur dioxide emissions to the atmosphere by 90 percent or maintain sulfur dioxide emissions to the atmosphere less than or equal to 50 ppm by volume, whichever is less stringent.	§ 60.105(a) § 60.105(a)(10) § 60.105(a)(11) [G]§ 60.105(a)(12) [G]§ 60.105(a)(13) [G]§ 60.105(a)(9) § 60.106(a) § 60.106(g) [G]§ 60.106(h) [G]§ 60.106(k) § 60.108(a) § 60.108(c) § 60.108(d) § 60.108(e)	§ 60.105(a) § 60.105(a)(10) § 60.105(a)(11) [G]§ 60.105(a)(13) [G]§ 60.105(a)(9) § 60.107(b) [G]§ 60.107(b)(1) § 60.107(b)(4)	§ 60.107(a) § 60.107(c) [G]§ 60.107(c)(1) § 60.107(c)(2) [G]§ 60.107(c)(3) [G]§ 60.107(c)(4) § 60.107(d) § 60.107(e) § 60.107(f) § 60.107(g)
H600	EU	60J-1	CO	40 CFR Part 60, Subpart J	§ 60.103(a) § 60.103	No owner or operator shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator any gases that contain	§ 60.105(a) [G]§ 60.105(a)(2) § 60.105(c) § 60.105(e) § 60.105(e)(2) § 60.106(a) § 60.106(d)	§ 60.105(a) [G]§ 60.105(a)(2) § 60.105(c)	§ 60.105(e) § 60.105(e)(2) § 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)
						carbon monoxide (CO) in excess of 500 ppm by volume (dry basis).			
H600	EU	60J-1	PM	40 CFR Part 60, Subpart J	§ 60.102(a)(1) § 60.102 § 60.102(a) § 60.102(b)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator particulate matter in excess of 1.0 kg/Mg (2.0 lb/ton) of coke burn-off in the catalyst regenerator.	§ 60.105(c) § 60.105(d) § 60.106(a) [G]§ 60.106(b) [G]§ 60.106(c) ** See Alternative Monitoring Plan	§ 60.105(c) § 60.105(d)	None
H600	EU	60J-1	PM (OPACITY)	40 CFR Part 60, Subpart J	§ 60.102(a)(2) § 60.102 § 60.102(a)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator gases exhibiting greater than 30 percent opacity, except for one six-minute average opacity reading in any one hour period.	§ 60.105(a) § 60.105(a)(1) § 60.105(c) § 60.105(e) § 60.105(e)(1) § 60.106(a) [G]§ 60.106(b) ** See Alternative Monitoring Plan	§ 60.105(a) § 60.105(a)(1) § 60.105(c)	§ 60.105(e) § 60.105(e)(1) § 60.107(f) § 60.107(g)
H613	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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	§ 60.105(a) [G]§ 60.105(a)(3) § 60.105(e) § 60.105(e)(3)(i) § 60.106(a) [G]§ 60.106(e)(1) § 60.106(e)(2)	§ 60.105(a) [G]§ 60.105(a)(3)	§ 60.105(e) § 60.105(e)(3)(i) § 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)
						(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.			
H63000	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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) § 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) § 60.107(f) § 60.107(g)
H70002	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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	§ 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) § 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) § 60.107(f) § 60.107(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this paragraph.			
H9150	EU	60J-1	HYDROGEN SULFIDE	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.104 § 60.104(a)	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) § 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) § 60.107(f) § 60.107(g)
PLAT2	EU	63UUU	TOC	40 CFR Part 63, Subpart UUU	§ 63.1566(a)(1)(i)-Table 15.1 § 63.1566(a)(1) § 63.1566(a)(2) § 63.1566(a)(2)-Table 16.1 § 63.1566(a)(3) § 63.1566(a)(4) § 63.1566(a)(5) § 63.1566(b)(3) § 63.1566(b)(4) § 63.1566(b)(6) § 63.1566(b)(6)-Table 19.1 § 63.1566(c)(1) § 63.1566(c)(2)	For each applicable process vent for a new or existing catalytic reforming unit, you must vent emissions of total organic compounds (TOC) to a flare that meets the control device requirements in §63.11(b) (Option 1). Visible emissions from a flare must not exceed a total of 5 minutes during any 2-hour operating period.	§ 63.1566(b)(1) § 63.1566(b)(1)-Table 17.1 § 63.1566(b)(2) § 63.1566(b)(2)-Table 18.1.a § 63.1566(b)(2)-Table 18.1.b § 63.1566(c)(1)-Table 20.1 § 63.1566(c)(1)-Table 21.1 § 63.1571(a) § 63.1571(a)(1) [G]§ 63.1571(b) [G]§ 63.1571(d)	§ 63.1566(c)(1)-Table 21.1 § 63.1570(c) [G]§ 63.1576(a) § 63.1576(c) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1566(b)(7) § 63.1566(b)(8) § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(f) § 63.1575(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.1570(a) § 63.1570(b) § 63.1570(c) § 63.1570(d) § 63.1570(g) [G]§ 63.1571(e)				[G]§ 63.1575(h)
PLAT2	EU	63UUU	HCL	40 CFR Part 63, Subpart UUU	§ 63.1567(a)(1)-Table 22.1 § 63.1567(a)(1) § 63.1567(a)(1)(i) § 63.1567(a)(1)(ii) § 63.1567(a)(2) § 63.1567(a)(2)-Table 23.1 § 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)-Table 26.1 § 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)-Table 24.1 § 63.1567(b)(2) § 63.1567(b)(2)-Table 25.1.a.(1) § 63.1567(b)(2)-Table 25.1.a.(2) § 63.1567(b)(2)-Table 25.1.b § 63.1567(b)(2)-Table 25.1.c § 63.1567(b)(2)-Table 25.1.d § 63.1567(b)(2)-Table 25.1.e.(1) § 63.1567(b)(2)-Table 25.1.e.(2) § 63.1567(b)(2)-Table 25.1.e.(3) § 63.1567(b)(2)-Table 25.1.e.(4) § 63.1567(b)(2)-Table 25.2.a.i § 63.1567(b)(2)-Table 25.2.b.i § 63.1567(c)(1)-Table 27.1 § 63.1571(a) § 63.1571(a)(1) [G]§ 63.1571(b) § 63.1572(c) § 63.1572(c)(1)	§ 63.1567(b)(1)-Table 24.1 § 63.1567(b)(1)-Table 25.2.a.i § 63.1567(b)(1)-Table 25.2.b.i § 63.1567(c)(1)-Table 28.1.a § 63.1567(c)(1)-Table 28.1.b § 63.1567(c)(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)	§ 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)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 63.1572(c)(2) § 63.1572(c)(3) § 63.1572(c)(4) [G]§ 63.1572(d)		
SRU3/4	EU	63UUU	SO2	40 CFR Part 63, Subpart UUU	§ 63.1568(a)(1)-Table 29.1.a § 63.1568(a)(1) § 63.1568(a)(2) § 63.1568(a)(2)-Table 30.1 § 63.1568(a)(3) § 63.1568(b)(3) § 63.1568(b)(4) § 63.1568(b)(5) § 63.1568(b)(5)-Table 33.1.a § 63.1568(c)(1) § 63.1568(c)(1)-Table 35.1 § 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 (SO2) at zero percent excess air if you use an oxidation or reduction control system followed by incineration.	§ 63.1568(b)(1) § 63.1568(b)(1)-Table 31.1.a § 63.1568(c)(1)-Table 34.1.a § 63.1572(a) § 63.1572(a)(1) § 63.1572(a)(1)-Table 40.4 § 63.1572(a)(1)-Table 40.8 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d)	§ 63.1568(b)(1)-Table 31.1.a § 63.1568(c)(1)-Table 34.1.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) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h)
SRU5	EU	63UUU	SO2	40 CFR Part 63, Subpart UUU	§ 63.1568(a)(1)-Table 29.1.a § 63.1568(a)(1) § 63.1568(a)(2) § 63.1568(a)(2)-Table 30.1 § 63.1568(a)(3) § 63.1568(b)(3) § 63.1568(b)(4) § 63.1568(b)(5) § 63.1568(b)(5)-Table 33.1.a § 63.1568(c)(1) § 63.1568(c)(1)-Table	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 (SO2) at zero percent excess air if you use an oxidation or	§ 63.1568(b)(1) § 63.1568(b)(1)-Table 31.1.a § 63.1568(c)(1)-Table 34.1.a § 63.1572(a) § 63.1572(a)(1) § 63.1572(a)(1)-Table 40.4 § 63.1572(a)(1)-Table 40.8 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4)	§ 63.1568(b)(1)-Table 31.1.a § 63.1568(c)(1)-Table 34.1.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) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					35.1 § 63.1568(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g)	reduction control system followed by incineration.	[G]§ 63.1572(d)		§ 63.1575(g) [G]§ 63.1575(h)
SRU6	EU	63UUU	SO2	40 CFR Part 63, Subpart UUU	§ 63.1568(a)(1)-Table 29.1.a § 63.1568(a)(1) § 63.1568(a)(2) § 63.1568(a)(2)-Table 30.1 § 63.1568(a)(3) § 63.1568(b)(3) § 63.1568(b)(4) § 63.1568(b)(5) § 63.1568(b)(5)-Table 33.1.a § 63.1568(c)(1) § 63.1568(c)(1)-Table 35.1 § 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 (SO2) at zero percent excess air if you use an oxidation or reduction control system followed by incineration.	§ 63.1568(b)(1) § 63.1568(b)(1)-Table 31.1.a § 63.1568(c)(1)-Table 34.1.a § 63.1572(a) § 63.1572(a)(1) § 63.1572(a)(1)-Table 40.4 § 63.1572(a)(1)-Table 40.8 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d)	§ 63.1568(b)(1)-Table 31.1.a § 63.1568(c)(1)-Table 34.1.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) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h)
SRU7	EU	63UUU	SO2	40 CFR Part 63, Subpart UUU	§ 63.1568(a)(1)-Table 29.1.a § 63.1568(a)(1) § 63.1568(a)(2) § 63.1568(a)(2)-Table 30.1 § 63.1568(a)(3) § 63.1568(b)(3) § 63.1568(b)(4) § 63.1568(b)(5) § 63.1568(b)(5)-Table 33.1.a	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 (SO2) at zero	§ 63.1568(b)(1) § 63.1568(b)(1)-Table 31.1.a § 63.1568(c)(1)-Table 34.1.a § 63.1572(a) § 63.1572(a)(1) § 63.1572(a)(1)-Table 40.4 § 63.1572(a)(1)-Table 40.8 § 63.1572(a)(2)	§ 63.1568(b)(1)-Table 31.1.a § 63.1568(c)(1)-Table 34.1.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)	§ 63.1568(b)(6) § 63.1568(b)(7) § 63.1570(f) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 [G]§ 63.1575(b) [G]§ 63.1575(c)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.1568(c)(1) § 63.1568(c)(1)-Table 35.1 § 63.1568(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1570(g)	percent excess air if you use an oxidation or reduction control system followed by incineration.	§ 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d)	§ 63.1576(i)	[G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h)
SRU8	EU	63UUU	SO2	40 CFR Part 63, Subpart UUU	§ 63.1568(a)(1)-Table 29.1.a § 63.1568(a)(1) § 63.1568(a)(2) § 63.1568(a)(2)-Table 30.1 § 63.1568(a)(3) § 63.1568(b)(3) § 63.1568(b)(4) § 63.1568(b)(5) § 63.1568(b)(5)-Table 33.1.a § 63.1568(c)(1) § 63.1568(c)(1)-Table 35.1 § 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 (SO2) at zero percent excess air if you use an oxidation or reduction control system followed by incineration.	§ 63.1568(b)(1) § 63.1568(b)(1)-Table 31.1.a § 63.1568(c)(1)-Table 34.1.a § 63.1572(a) § 63.1572(a)(1) § 63.1572(a)(1)-Table 40.4 § 63.1572(a)(1)-Table 40.8 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d)	§ 63.1568(b)(1)-Table 31.1.a § 63.1568(c)(1)-Table 34.1.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) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h)
FLARECCU	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
FLARECCU	EP	R5720-1	HIGHLY	30 TAC Chapter	§ 115.722(d)	All flares must	§ 115.725(g)(2)(E)	§ 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)(1) § 115.722(d)(2) § 115.725(h)(1) § 115.725(h)(2) § 115.725(h)(5) [G]§ 115.725(l)	continuously meet the requirements of 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.	§ 115.725(h)(1) § 115.725(h)(2) § 115.725(h)(3)(A) § 115.725(h)(4)(A) § 115.725(h)(4)(B) § 115.725(h)(5) [G]§ 115.725(l) § 115.725(n)	§ 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) [G]§ 115.726(d)(8) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	
FLARECCU	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
FLARECCU	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
FLARECOKE	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
FLARECOKE	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 § 60.18(c)(2)-(6) and (d) as	[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)	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)	
FLARECOKE	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
FLAREEP	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
FLAREEP	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 40 CFR §	[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)	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)	
FLAREEP	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
FLAREEP	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
FLAREGIRB	EP	R5720-1	HIGHLY	30 TAC Chapter	§ 115.722(d)	All flares must	[G]§ 115.725(d)(1)	§ 115.726(a)(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)(1) § 115.722(d)(2) [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)	continuously meet the requirements of 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.	§ 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) § 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(a)(1)(A) § 115.726(d)(1) § 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)	§ 115.726(a)(1)(B) [G]§ 115.726(a)(2)
FLAREGIRB	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
FLAREGIRB	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

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FLARELHT	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
FLARELHT	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.727(e)	Any flare that will be permanently out of service by April 1, 2006, is exempt from the requirements of this division, with the exception of the notification and recordkeeping requirements in §115.726(f) of this title.	None	§ 115.726(f)	None
FLAREN P	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
FLAREN P	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]§ 115.725(d)(2)(A)(ii) § 115.725(d)(2)(A)(iii) § 115.725(d)(2)(A)(iv) § 115.725(d)(2)(B)	All flares must continuously meet the requirements of 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)(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)	§ 115.726(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) § 115.726(i) § 115.726(j)(1) § 115.726(j)(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)(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)		§ 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)		
FLARENP	CD	60A-1	OPACITY	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(ii) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
FLARENP	CD	63A-1	OPACITY	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(ii)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None
FLARESOUTH	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

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FLARESOUTH	EP	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Vent Gas	§ 115.722(d) § 115.722(d)(1) § 115.722(d)(2) § 115.725(h)(1) § 115.725(h)(2) § 115.725(h)(5) [G]§ 115.725(l)	All flares must continuously meet the requirements of 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.	§ 115.725(g)(2)(E) § 115.725(h)(1) § 115.725(h)(2) § 115.725(h)(3)(A) § 115.725(h)(4)(A) § 115.725(h)(4)(B) § 115.725(h)(5) [G]§ 115.725(l) § 115.725(n)	§ 115.726(d)(1) § 115.726(d)(2) § 115.726(d)(3) § 115.726(d)(4) [G]§ 115.726(d)(8) § 115.726(i) § 115.726(j)(1) § 115.726(j)(2)	§ 115.725(n)
FLARESOUTH	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
FLARESOUTH	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
FLAREWP	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
FLAREWP	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 40 CFR §	[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)	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)	
FLAREWP	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
FLAREWP	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
FUGCCU	EU	R5780-1	HIGHLY	30 TAC Chapter	§ 115.787(a)	Components that contact	None	§ 115.786(e)	None



## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual 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 Fugitive Emissions		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).		§ 115.786(f)	
FUGCCU	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.725(c)(1) § 115.725(c)(2) [G]§ 115.725(c)(3) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 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 the Houston/ Galveston/Brazoria area 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.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 [G]§ 115.725(c)(1) § 115.725(c)(2) [G]§ 115.725(c)(3) § 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)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 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(f) [G]§ 115.788(g)	§ 115.725(c)(4) § 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)				
FUGCCU	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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 in the Houston/Galveston/Brazoria area 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.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 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)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f) [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)
FUGCCU	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive	§ 115.780(a) [G]§ 115.781(a) § 115.781(g)(3)	Flanges or other connectors within a petroleum refinery;	§ 115.354(1) § 115.354(11) § 115.354(3)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2)	§ 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)
				Emissions	§ 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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/ Galveston/Brazoria area 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.	§ 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 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(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) § 115.789(1)(B)	§ 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 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(f)	
FUGCCU	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 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)	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 the Houston/ Galveston/Brazoria area 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.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 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)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 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)	§ 115.782(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)
					§ 115.783(3) [G]§ 115.783(3)(B) § 115.787(d)			§ 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f)	
FUGCCU	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 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)(B) § 115.787(b) § 115.787(b)(1) § 115.787(d)	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 the Houston/ Galveston/Brazoria area 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.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 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)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 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(f)	§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)
FUGCCU	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 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)(B) § 115.787(b) § 115.787(b)(1) § 115.787(d)	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 a petroleum refinery; synthetic organic	§ 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) § 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)	§ 115.782(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)(iii) § 115.782(c)(1)(B)(iv)	chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.789(1)(B)	§ 115.786(d)(2)(B) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f)	
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains, contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(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) § 115.356(4)	None
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 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(4)	None
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(7) § 115.352(9) § 115.357(1) § 115.357(12)	the specified VOC concentration.	[G]§ 115.355 § 115.357(1)		
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP < 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery	§ 115.352(1)(A) § 115.352(1)	No open-ended valves or lines, in an emergency	§ 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(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated > 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12)	No open-ended valves or lines, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[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)				
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[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)
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery	§ 115.352(1)(A) § 115.352(1)	No flanges, contacting a process fluid with a TVP	§ 115.354(1) § 115.354(10)	§ 115.352(7) § 115.354(10)	None

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				& Petrochemicals	§ 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(12)	of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No flanges, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 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) § 115.356(4)	None
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No compressor seal, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery	§ 115.352(1)(B) § 115.352(1)	No compressor seals, contacting a process fluid	§ 115.354(1) § 115.354(10)	§ 115.352(7) § 115.354(10)	None

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				& Petrochemicals	§ 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	with a TVP >0.044 psia, not in hydrogen service or not equipped with a shaft seal, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(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) § 115.356(4)	
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No pump seals, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No pump seals, contacting a process fluid with a TVP >0.044 psia and not equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 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) § 115.356(4)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGCCU	EU	R5352ALL	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
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR	None	§ 115.356 § 115.356(3)	None

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				& Petrochemicals		§63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.		[G]§ 115.356(3)(C)	
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGCCU	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGCCU	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	§ 60.482-1(d)	Equipment that is in vacuum service is excluded from the requirements of §60.482-2 to §60.482-10, if it is identified as required in	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None

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						§60.486(e)(5).			
FUGCCU	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-2 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pumps in light liquid service shall comply with the requirements outlined in § 60.482-2(a)-(f).	[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]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGCCU	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-3 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Compressors shall comply with the requirements outlined in § 60.482-3(a)-(j).	[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)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGCCU	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-6 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Open-ended valves or lines shall comply with the requirements outlined in § 60.482-6(a)-(c).	§ 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)
FUGCCU	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-7 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2	Valves in gas/vapor service and in light liquid service shall comply with the requirements outlined in § 60.482-7(a)-(h).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)
FUGCCU	EU	6oVVALL	VOC	40 CFR Part 60,	§ 60.482-4(a)	Except during pressure	§ 60.482-4(b)(1)	[G]§ 60.486(a)	§ 60.487(a)

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				Subpart VV	§ 60.482-1(a) § 60.482-1(b) § 60.482-4(b)(1) § 60.482-4(b)(2) § 60.482-4(d)(1) § 60.482-4(d)(2) [G]§ 60.482-9	releases, each pressure relief device in gas/vapor service shall be operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background.	§ 60.482-4(b)(2) § 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)	[G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGCCU	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pumps in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGCCU	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pressure relief devices in light-liquid service shall comply with the requirements of §60.482-8(a)-(d).	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGCCU	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pressure relief devices in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGCCU	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Flanges and other connectors shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGCCU	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b)	Valves in heavy liquid service shall comply with the requirements of	[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)

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					[G]§ 60.482-9	§60.482-8(a)-(d).	[G]§ 60.485(d) § 60.485(f)	§ 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(e)
FUGCCU	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-5 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Sampling connection systems shall be in compliance with the requirements outlined in § 60.482-5(a)-(c).	§ 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)
FUGCCU	EU	R63CCVVALL	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
FUGCCU	EU	R63CCVVALL	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)
FUGCCU	EU	R63CCVVALL	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)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)



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								§ 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	
FUGCCU	EU	R63CCVVALL	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)
FUGCCU	EU	R63CCVVALL	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)
FUGCCU	EU	R63CCVVALL	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)
FUGCCU	EU	R63CCVVALL	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)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)

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								§ 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	
FUGCCU	EU	R63CCVVALL	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)
FUGCCU	EU	R63CCVVALL	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)
FUGCCU	EU	R63CCVVALL	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)
FUGCCU	EU	R63CCVVALL	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	[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)
						compressor is in hydrogen service. §63.648(g)(1)-(2).			
FUGDISP	EU	R5780-1	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(f)	None
FUGDISP	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.725(c)(1) § 115.725(c)(2) [G]§ 115.725(c)(3) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 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 the Houston/Galveston/Brazoria area 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.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 [G]§ 115.725(c)(1) § 115.725(c)(2) [G]§ 115.725(c)(3) § 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)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 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)	§ 115.725(c)(4) § 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.788(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)			§ 115.786(f) [G]§ 115.788(g)	
FUGDISP	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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)	Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/ Galveston/Brazoria area 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.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 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)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f) [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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 115.788(g)				
FUGDISP	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 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 the Houston/ Galveston/Brazoria area 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.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 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(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) § 115.789(1)(B)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 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(f)	§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)
FUGDISP	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	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 the Houston/ Galveston/Brazoria area in which a highly-reactive volatile organic compound is a raw	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 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)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(1)(B)(i)	§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 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)(B) § 115.787(b) § 115.787(b)(1) § 115.787(d)	material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(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(f)	
FUGDISP	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 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 a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 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) § 115.789(1)(B)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(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(f)	§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains, contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15	§ 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)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(1)	days after discovery, exceeding the specified VOC concentration.		§ 115.356(3)(B) § 115.356(4)	
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 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(4)	None
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(12)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP < 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated > 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery &	§ 115.352(1)(A) § 115.352(1) § 115.352(2)	No open-ended valves or lines, rated less than or equal to 10,000 psig and	§ 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)
				Petrochemicals	§ 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8)	§ 115.352(7) § 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(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.356(3)(B) § 115.356(4)	
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(12)	No flanges, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(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) § 115.356(4)	None
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No flanges, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 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) § 115.356(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)
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No compressor seal, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No compressor seals, contacting a process fluid with a TVP >0.044 psia, not in hydrogen service or not equipped with a shaft seal, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(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) § 115.356(4)	None
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8)	No pump seals, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(1)	concentration.			
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No pump seals, contacting a process fluid with a TVP >0.044 psia and not equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 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) § 115.356(4)	None
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from the requirements of this division except	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						§115.356(3)(C) of this title.			
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGDISP	EU	R5352ALL	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
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						§115.356(3)(C) of this title.			
FUGDISP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGDISP	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	§ 60.482-1(d)	Equipment that is in vacuum service is excluded from the requirements of §60.482-2 to §60.482-10, if it is identified as required in §60.486(e)(5).	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None
FUGDISP	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-2 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pumps in light liquid service shall comply with the requirements outlined in § 60.482-2(a)-(f).	[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]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGDISP	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-3 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Compressors shall comply with the requirements outlined in § 60.482-3(a)-(j).	[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)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
								[G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j)	
FUGDISP	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-6 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Open-ended valves or lines shall comply with the requirements outlined in § 60.482-6(a)-(c).	§ 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)
FUGDISP	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-7 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2	Valves in gas/vapor service and in light liquid service shall comply with the requirements outlined in § 60.482-7(a)-(h).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)
FUGDISP	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	§ 60.482-4(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(b)(1) § 60.482-4(b)(2) § 60.482-4(d)(1) § 60.482-4(d)(2) [G]§ 60.482-9	Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background.	§ 60.482-4(b)(1) § 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)
FUGDISP	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pumps in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGDISP	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a)	Pressure relief devices in light-liquid service shall	[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]§ 60.482-9	comply with the requirements of §60.482-8(a)-(d).	[G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	[G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	[G]§ 60.487(c) § 60.487(e)
FUGDISP	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pressure relief devices in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGDISP	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Flanges and other connectors shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGDISP	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Valves in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGDISP	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-5 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Sampling connection systems shall be in compliance with the requirements outlined in § 60.482-5(a)-(c).	§ 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)
FUGDISP	EU	R63CCVVALL	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
FUGDISP	EU	R63CCVVALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a)	Comply with the specified 40 CFR Part 60, Subpart	[G]§ 60.482-2 § 60.485(a)	[G]§ 60.486(a) [G]§ 60.486(b)	§ 60.487(a) [G]§ 60.487(b)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [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(c) § 60.487(e)
FUGDISP	EU	R63CCVVALL	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)
FUGDISP	EU	R63CCVVALL	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)
FUGDISP	EU	R63CCVVALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5	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)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	systems complying with §60.482-5.		§ 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	
FUGDISP	EU	R63CCVVALL	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)
FUGDISP	EU	R63CCVVALL	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)
FUGDISP	EU	R63CCVVALL	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)
FUGDISP	EU	R63CCVVALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid	[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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	service complying with §60.482-8.	§ 60.485(f) [G]§ 63.648(b)	§ 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	
FUGDISP	EU	R63CCVVALL	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)
FUGDISP	EU	R63CCVVALL	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
FUGDU1	EU	R5780-1	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(f)	None

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FUGDU1	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.725(c)(1) § 115.725(c)(2) [G]§ 115.725(c)(3) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 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 the Houston/ Galveston/Brazoria area 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.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 [G]§ 115.725(c)(1) § 115.725(c)(2) [G]§ 115.725(c)(3) § 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)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 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(f) [G]§ 115.788(g)	§ 115.725(c)(4) § 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)
FUGDU1	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2)	Valves 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(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.781(b)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

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					§ 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)	processing operation in the Houston/ Galveston/Brazoria area 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.	§ 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)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f) [G]§ 115.788(g)	
FUGDU1	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 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 the Houston/ Galveston/Brazoria area in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a waste stream is subject to	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 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(f) § 115.781(f)(1) § 115.781(f)(2) § 115.781(f)(3)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(1) § 115.786(d)(2)	§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)

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						the requirements of this division.	§ 115.781(f)(4) § 115.781(f)(5) § 115.781(f)(6) § 115.781(g) § 115.781(g)(1) § 115.781(g)(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(f)	
FUGDU1	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 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 a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 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) § 115.789(1)(B)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(1)(B)(f) [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(f)	§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains, contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(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) § 115.356(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)
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 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(4)	None
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(12)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A)	No open-ended valves or lines, in an emergency shutdown system or containing materials that	§ 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)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP < 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A)	No open-ended valves or lines, rated > 10,000 psig and contacting a process fluid with a TVP less than	§ 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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.354(8)	§ 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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(9) [G]§ 115.355	§ 115.356(3)(B) § 115.356(4)	
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(1) § 115.357(12)				
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(12)	No flanges, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(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) § 115.356(4)	None
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No flanges, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 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) § 115.356(4)	None
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A)	No compressor seal, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed	§ 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)	None

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual 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]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No compressor seals, contacting a process fluid with a TVP >0.044 psia, not in hydrogen service or not equipped with a shaft seal, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(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) § 115.356(4)	None
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No pump seals, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery	§ 115.352(1)(B) § 115.352(1)	No pump seal, equipped with a shaft seal system,	[G]§ 115.355	§ 115.352(7) § 115.356	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				& Petrochemicals	§ 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.		[G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No pump seals, contacting a process fluid with a TVP >0.044 psia and not equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 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) § 115.356(4)	None
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter	§ 115.357(5)	Reciprocating	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)
				115, Pet. Refinery & Petrochemicals		compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.		§ 115.356(3) [G]§ 115.356(3)(C)	
FUGDU1	EU	R5352ALL	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
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGDU1	EU	R5352ALL	VOC	30 TAC Chapter	§ 115.357(13)	Components/systems	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)
				115, Pet. Refinery & Petrochemicals		that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.		§ 115.356(3) [G]§ 115.356(3)(C)	
FUGDU1	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	§ 60.482-1(d)	Equipment that is in vacuum service is excluded from the requirements of §60.482-2 to §60.482-10, if it is identified as required in §60.486(e)(5).	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None
FUGDU1	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-2 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pumps in light liquid service shall comply with the requirements outlined in § 60.482-2(a)-(f).	[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]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGDU1	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-3 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Compressors shall comply with the requirements outlined in § 60.482-3(a)-(j).	[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)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUGDU1	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-6 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Open-ended valves or lines shall comply with the requirements outlined in § 60.482-6(a)-(c).	§ 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)
FUGDU1	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-7 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2	Valves in gas/vapor service and in light liquid service shall comply with the requirements outlined in § 60.482-7(a)-(h).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)
FUGDU1	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	§ 60.482-4(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(b)(1) § 60.482-4(b)(2) § 60.482-4(d)(1) § 60.482-4(d)(2) [G]§ 60.482-9	Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background.	§ 60.482-4(b)(1) § 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)
FUGDU1	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pumps in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGDU1	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pressure relief devices in light-liquid service shall comply with the requirements of §60.482-8(a)-(d).	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUGDU1	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pressure relief devices in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGDU1	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Flanges and other connectors shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGDU1	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Valves in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGDU1	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-5 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Sampling connection systems shall be in compliance with the requirements outlined in § 60.482-5(a)-(c).	§ 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)
FUGDU1	EU	R63CCVVALL	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
FUGDU1	EU	R63CCVVALL	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)	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]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.655(d)(2)		[G]§ 63.648(b)	[G]§ 60.486(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	
FUGDU1	EU	R63CCVVALL	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)
FUGDU1	EU	R63CCVVALL	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)
FUGDU1	EU	R63CCVVALL	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)
FUGDU1	EU	R63CCVVALL	112(B)	40 CFR Part 63,	§ 63.648(a)	Comply with the specified	§ 60.485(a)	[G]§ 60.486(a)	§ 60.487(a)

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		LL	HAPS	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)	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)
FUGDU1	EU	R63CCVVA LL	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)
FUGDU1	EU	R63CCVVA LL	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)
FUGDU1	EU	R63CCVVA LL	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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUGDU1	EU	R63CCVVALL	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)
FUGDU1	EU	R63CCVVALL	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
FUGDU2	EU	R5780-1	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(f)	None
FUGDU2	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.725(c)(1) § 115.725(c)(2) [G]§ 115.725(c)(3) [G]§ 115.781(a)	Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin,	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A)	§ 115.725(c)(4) § 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(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)
					§ 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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 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)	or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/Galveston/Brazoria area 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.	§ 115.354(9) [G]§ 115.355 [G]§ 115.725(c)(1) § 115.725(c)(2) [G]§ 115.725(c)(3) § 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)	§ 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 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(f) [G]§ 115.788(g)	§ 115.788(e) [G]§ 115.788(g)
FUGDU2	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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)	Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/Galveston/Brazoria area in which a highly-reactive volatile organic	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 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)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 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) § 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)	compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 115.781(g) § 115.781(g)(1) § 115.781(g)(2)	[G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f) [G]§ 115.788(g)	
FUGDU2	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 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 the Houston/Galveston/Brazoria area 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.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 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(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)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 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(f)	§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 115.781(g)(2) § 115.789(1)(B)		
FUGDU2	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 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 a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 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) § 115.789(1)(B)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(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(f)	§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains, contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(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) § 115.356(4)	None
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A)	No process drains, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1)	None



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(3) § 115.352(7)	VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(9) [G]§ 115.355	[G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(12)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(9) § 115.352(6)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(7) § 115.357(1) § 115.357(12)	other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP < 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.357(1)		
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6)	No open-ended valves or lines, rated > 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery,	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	[G]§ 115.354(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(7) § 115.357(1) § 115.357(12)	exceeding the specified VOC concentration.	§ 115.357(1)		
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 [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(4)	[G]§ 115.354(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(8)				
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter	§ 115.352(1)(A)	No valves, rated less than	§ 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)
				115, Pet. Refinery & Petrochemicals	§ 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(12)	No flanges, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(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) § 115.356(4)	None
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No flanges, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 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) § 115.356(4)	None
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No compressor seal, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(1)	concentration.			
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No compressor seals, contacting a process fluid with a TVP >0.044 psia, not in hydrogen service or not equipped with a shaft seal, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(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) § 115.356(4)	None
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No pump seals, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B)	None

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual 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)	VOC concentration.		§ 115.356(3)(B) § 115.356(4)	
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No pump seals, contacting a process fluid with a TVP >0.044 psia and not equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 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) § 115.356(4)	None
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						operations are exempt from the requirements of this division except §115.356(3)(C) of this title.			
FUGDU2	EU	R5352ALL	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
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGDU2	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.			
FUGDU2	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	§ 60.482-1(d)	Equipment that is in vacuum service is excluded from the requirements of §60.482-2 to §60.482-10, if it is identified as required in §60.486(e)(5).	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None
FUGDU2	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-2 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pumps in light liquid service shall comply with the requirements outlined in § 60.482-2(a)-(f).	[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]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGDU2	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-3 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Compressors shall comply with the requirements outlined in § 60.482-3(a)-(j).	[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)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGDU2	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-6 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Open-ended valves or lines shall comply with the requirements outlined in § 60.482-	§ 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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						6(a)-(c).			
FUGDU2	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-7 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2	Valves in gas/vapor service and in light liquid service shall comply with the requirements outlined in § 60.482-7(a)-(h).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)
FUGDU2	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	§ 60.482-4(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(b)(1) § 60.482-4(b)(2) § 60.482-4(d)(1) § 60.482-4(d)(2) [G]§ 60.482-9	Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background.	§ 60.482-4(b)(1) § 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)
FUGDU2	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pumps in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGDU2	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pressure relief devices in light-liquid service shall comply with the requirements of §60.482-8(a)-(d).	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGDU2	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b)	Pressure relief devices in heavy liquid service shall comply with the	[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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-9	requirements of §60.482-8(a)-(d).	[G]§ 60.485(d) § 60.485(f)	§ 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(e)
FUGDU2	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Flanges and other connectors shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGDU2	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Valves in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGDU2	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-5 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Sampling connection systems shall be in compliance with the requirements outlined in § 60.482-5(a)-(c).	§ 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)
FUGDU2	EU	R63CCVVALL	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
FUGDU2	EU	R63CCVVALL	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)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
								§ 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i)(5)	
FUGDU2	EU	R63CCVVALL	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)
FUGDU2	EU	R63CCVVALL	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)
FUGDU2	EU	R63CCVVALL	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)
FUGDU2	EU	R63CCVVALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6	Comply with the specified 40 CFR Part 60, Subpart VV requirements for open-ended valves or	§ 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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	lines complying with §60.482-6.	[G]§ 63.648(b)	§ 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	
FUGDU2	EU	R63CCVVALL	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)
FUGDU2	EU	R63CCVVALL	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)
FUGDU2	EU	R63CCVVALL	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)
FUGDU2	EU	R63CCVVALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a)	Comply with the specified 40 CFR Part 60, Subpart	[G]§ 60.482-8 § 60.485(a)	[G]§ 60.486(a) [G]§ 60.486(b)	§ 60.487(a) [G]§ 60.487(b)

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					§ 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	VV requirements for flanges or other connectors complying with §60.482-8.	[G]§ 60.485(b) [G]§ 60.485(d) § 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)
FUGDU2	EU	R63CCVVALL	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
FUGHDU1	EU	R5780-1	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(f)	None
FUGHDU1	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.725(c)(1) § 115.725(c)(2) [G]§ 115.725(c)(3) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a)	Pressure relief valves (in gaseous service) within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process;	§ 115.354(1) § 115.354(2) § 115.354(4) § 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) § 115.356(4)	§ 115.725(c)(4) § 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 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)	or natural gas/gasoline processing operation in the Houston/ Galveston/Brazoria area 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.	[G]§ 115.725(c)(1) § 115.725(c)(2) [G]§ 115.725(c)(3) § 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(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 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(f) [G]§ 115.788(g)	
FUGHDU1	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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 in the Houston/ Galveston/Brazoria area in which a highly-reactive volatile organic compound is a raw material, intermediate,	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 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)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.787(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)	final product, or in a waste stream is subject to the requirements of this division.	§ 115.781(g)(2)	§ 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f) [G]§ 115.788(g)	
FUGHDU1	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 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 the Houston/ Galveston/Brazoria area 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.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 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(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) § 115.781(g)(2)(B)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 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(f)	§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)



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FUGHDU1	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 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 a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 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) § 115.789(1)(B)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(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(f)	§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains, contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(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) § 115.356(4)	None
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A)	None

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						VOC concentration.		§ 115.356(3)(B) § 115.356(4)	
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(12)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(12)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)

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						system, and contacting a process fluid with a TVP < 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.			
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated > 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[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)
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery	§ 115.352(1)(A) § 115.352(1)	No valves, rated 10,000 psig or greater and	§ 115.354(1) § 115.354(2)	§ 115.352(7) § 115.356	[G]§ 115.354(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				& Petrochemicals	§ 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be	§ 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)	[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)	allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(12)	No flanges, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(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) § 115.356(4)	None
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No flanges, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 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) § 115.356(4)	None
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No compressor seal, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery	§ 115.352(1)(B) § 115.352(1)	No compressor seal, in hydrogen service or	[G]§ 115.355	§ 115.352(7) § 115.356	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				& Petrochemicals	§ 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.		[G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No compressor seals, contacting a process fluid with a TVP >0.044 psia, not in hydrogen service or not equipped with a shaft seal, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(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) § 115.356(4)	None
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No pump seals, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter	§ 115.352(1)(B)	No pump seals,	§ 115.354(1)	§ 115.352(7)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				115, Pet. Refinery & Petrochemicals	§ 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	contacting a process fluid with a TVP >0.044 psia and not equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 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) § 115.356(4)	
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						title.			
FUGHDU1	EU	R5352ALL	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
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGHDU1	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						division except §115.356(3)(C) of this title.			
FUGHDU1	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	§ 60.482-1(d)	Equipment that is in vacuum service is excluded from the requirements of §60.482-2 to §60.482-10, if it is identified as required in §60.486(e)(5).	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None
FUGHDU1	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-2 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pumps in light liquid service shall comply with the requirements outlined in § 60.482-2(a)-(f).	[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]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGHDU1	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-3 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Compressors shall comply with the requirements outlined in § 60.482-3(a)-(j).	[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)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGHDU1	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-6 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Open-ended valves or lines shall comply with the requirements outlined in § 60.482-6(a)-(c).	§ 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)
FUGHDU1	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-7 § 60.482-1(a)	Valves in gas/vapor service and in light liquid	[G]§ 60.482-7 [G]§ 60.483-1	[G]§ 60.486(a) [G]§ 60.486(b)	§ 60.487(a) [G]§ 60.487(b)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-1(b) [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2	service shall comply with the requirements outlined in § 60.482-7(a)-(h).	[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(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)	[G]§ 60.487(c) § 60.487(d) § 60.487(e)
FUGHDU1	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	§ 60.482-4(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(b)(1) § 60.482-4(b)(2) § 60.482-4(d)(1) § 60.482-4(d)(2) [G]§ 60.482-9	Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background.	§ 60.482-4(b)(1) § 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)
FUGHDU1	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pumps in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGHDU1	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pressure relief devices in light-liquid service shall comply with the requirements of §60.482-8(a)-(d).	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGHDU1	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pressure relief devices in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUGHDU1	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Flanges and other connectors shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGHDU1	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Valves in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGHDU1	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-5 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Sampling connection systems shall be in compliance with the requirements outlined in § 60.482-5(a)-(c).	§ 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)
FUGHDU1	EU	R63CCVVALL	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
FUGHDU1	EU	R63CCVVALL	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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUGHDU1	EU	R63CCVVALL	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)
FUGHDU1	EU	R63CCVVALL	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)
FUGHDU1	EU	R63CCVVALL	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)
FUGHDU1	EU	R63CCVVALL	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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUGHDU1	EU	R63CCVVALL	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)
FUGHDU1	EU	R63CCVVALL	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)
FUGHDU1	EU	R63CCVVALL	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)
FUGHDU1	EU	R63CCVVALL	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 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)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.655(d)(2)			§ 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	
FUGHDU1	EU	R63CCVVALL	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
FUGSGP	EU	R5780-1	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(f)	None
FUGSGP	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.725(c)(1) § 115.725(c)(2) [G]§ 115.725(c)(3) [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 gas/gasoline processing operation in the Houston/ Galveston/Brazoria area	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 [G]§ 115.725(c)(1) § 115.725(c)(2) [G]§ 115.725(c)(3) § 115.781(b)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2)	§ 115.725(c)(4) § 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.782(c)(1)(B) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 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.	§ 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)(3) § 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(f) [G]§ 115.788(g)	
FUGSGP	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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)	Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/ Galveston/Brazoria area 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.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 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)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.788(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)			[G]§ 115.788(g)	
FUGSGP	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 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 the Houston/ Galveston/Brazoria area 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.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.781(b) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.781(g)(7)(A) § 115.781(g)(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) § 115.781(g)(3)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 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(f)	§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)
FUGSGP	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive	§ 115.780(a) [G]§ 115.781(a) § 115.781(g)(3)	Heat exchanger heads, sight glasses, meters, gauges, sampling	§ 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1)	§ 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)
				Emissions	§ 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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	connections, bolted manways, hatches, sump covers, junction box vents, and covers and seals on VOC water separators 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 HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 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) § 115.789(1)(B)	§ 115.781(g)(2) § 115.781(g)(3) § 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(f)	
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains, contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(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) § 115.356(4)	None
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 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(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)
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(12)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP < 0.044 psia, shall be	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[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)
						allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.			
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated > 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery	§ 115.352(1)(A) § 115.352(1)	No open-ended valves or lines, rated 10,000 psig	§ 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(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP less than or	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2)	[G]§ 115.354(7)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[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)	days after discovery, exceeding the specified VOC concentration.	§ 115.354(9) [G]§ 115.355	§ 115.356(3)(B) § 115.356(4)	
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(12)	No flanges, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(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) § 115.356(4)	None
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No flanges, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 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) § 115.356(4)	None
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No compressor seal, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed	[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)
					[G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.		§ 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No compressor seals, contacting a process fluid with a TVP >0.044 psia, not in hydrogen service or not equipped with a shaft seal, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(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) § 115.356(4)	None
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No pump seals, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery &	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(3) § 115.352(5)	No pump seals, contacting a process fluid with a TVP >0.044 psia	§ 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)
				Petrochemicals	§ 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	and not equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 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) § 115.356(4)	
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUGSGP	EU	R5352ALL	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
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGSGP	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						title.			
FUGSGP	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	§ 60.482-1(d)	Equipment that is in vacuum service is excluded from the requirements of §60.482-2 to §60.482-10, if it is identified as required in §60.486(e)(5).	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None
FUGSGP	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-2 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pumps in light liquid service shall comply with the requirements outlined in § 60.482-2(a)-(f).	[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]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGSGP	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-3 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Compressors shall comply with the requirements outlined in § 60.482-3(a)-(j).	[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)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGSGP	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-6 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Open-ended valves or lines shall comply with the requirements outlined in § 60.482-6(a)-(c).	§ 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)
FUGSGP	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-7 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Valves in gas/vapor service and in light liquid service shall comply with the requirements	[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]§ 60.483-1 [G]§ 60.483-2	outlined in § 60.482-7(a)-(h).	[G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 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)	§ 60.487(e)
FUGSGP	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	§ 60.482-4(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(b)(1) § 60.482-4(b)(2) § 60.482-4(d)(1) § 60.482-4(d)(2) [G]§ 60.482-9	Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background.	§ 60.482-4(b)(1) § 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)
FUGSGP	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pumps in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGSGP	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pressure relief devices in light-liquid service shall comply with the requirements of §60.482-8(a)-(d).	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGSGP	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pressure relief devices in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGSGP	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a)	Flanges and other connectors shall comply	[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]§ 60.482-9	with the requirements of §60.482-8(a)-(d).	[G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	[G]§ 60.487(c) § 60.487(e)
FUGSGP	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Valves in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGSGP	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-5 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Sampling connection systems shall be in compliance with the requirements outlined in § 60.482-5(a)-(c).	§ 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)
FUGSGP	EU	R63CCVVALL	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
FUGSGP	EU	R63CCVVALL	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)
FUGSGP	EU	R63CCVVALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a)	Comply with the specified 40 CFR Part 60, Subpart	[G]§ 60.482-3 § 60.485(a)	[G]§ 60.486(a) [G]§ 60.486(b)	§ 60.487(a) [G]§ 60.487(b)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	VV requirements for compressors complying with §60.482-3.	[G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[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(c) § 60.487(e)
FUGSGP	EU	R63CCVVALL	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)
FUGSGP	EU	R63CCVVALL	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)
FUGSGP	EU	R63CCVVALL	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)
FUGSGP	EU	R63CCVVALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a)	Comply with the specified 40 CFR Part 60, Subpart	[G]§ 60.482-7 [G]§ 60.483-1	[G]§ 60.486(a) [G]§ 60.486(b)	§ 60.487(a) [G]§ 60.487(b)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 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)	VV requirements for valves in gas/vapor service or in light liquid service complying with §60.482-7.	[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(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(c) § 60.487(d) § 60.487(e)
FUGSGP	EU	R63CCVVALL	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)
FUGSGP	EU	R63CCVVALL	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)
FUGSGP	EU	R63CCVVALL	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)	§ 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)	
FUGSGP	EU	R63CCVVALL	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
FUGWBT	EU	R5780-1	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(f)	None
FUGWBT	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.725(c)(1) § 115.725(c)(2) [G]§ 115.725(c)(3) [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) § 115.782(c)(1)(B)(i)	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 the Houston/ Galveston/Brazoria area in which a highly-reactive volatile organic	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 [G]§ 115.725(c)(1) § 115.725(c)(2) [G]§ 115.725(c)(3) § 115.781(b) § 115.781(b)(10) § 115.781(b)(4)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(1)(B)(i)	§ 115.725(c)(4) § 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 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)	compound is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 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)	[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(f) [G]§ 115.788(g)	
FUGWBT	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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 in the Houston/Galveston/Brazoria area 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.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 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)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f) [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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.788(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)				
FUGWBT	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 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 the Houston/ Galveston/Brazoria area 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.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 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(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) § 115.789(1)(B)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 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(f)	§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)
FUGWBT	EU	R5780-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.781(a) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1)	Heat exchanger heads, sight glasses, meters, gauges, sampling connections, bolted manways, hatches, sump	§ 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3)	§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.782(b)(2) § 115.782(c)(1) § 115.782(c)(1)(A) § 115.782(c)(1)(B) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv)	covers, junction box vents, and covers and seals on VOC water separators 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 HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 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) § 115.789(1)(B)	§ 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(f)	
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains, contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(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) § 115.356(4)	None
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 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(4)	None
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery	§ 115.352(1)(A) § 115.352(1)	No pressure relief valves (gaseous service),	§ 115.354(1) § 115.354(2)	§ 115.352(7) § 115.356	[G]§ 115.354(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				& Petrochemicals	§ 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(12)	contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP < 0.044 psia, shall be allowed to have a VOC leak, for more than 15	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						days after discovery, exceeding the specified VOC concentration.			
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated > 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A)	No open-ended valves or lines, rated 10,000 psig or greater and contacting a process fluid with a TVP	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1)	[G]§ 115.354(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	[G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8)	§ 115.352(7) § 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(6) § 115.352(7) § 115.357(1) § 115.357(12)	leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.356(3)(B) § 115.356(4)	
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 [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(4)	[G]§ 115.354(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(7) § 115.357(12) § 115.357(8)	VOC concentration.			
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(12)	No flanges, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(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) § 115.356(4)	None
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No flanges, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 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) § 115.356(4)	None
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No compressor seal, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A)	None



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(5) § 115.352(7)	discovery, exceeding the specified VOC concentration.		§ 115.356(3)(B) § 115.356(4)	
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No compressor seals, contacting a process fluid with a TVP >0.044 psia, not in hydrogen service or not equipped with a shaft seal, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(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) § 115.356(4)	None
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No pump seals, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) [G]§ 115.352(2)(C)	No pump seals, contacting a process fluid with a TVP >0.044 psia and not equipped with a shaft seal system, shall be	§ 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(3) § 115.352(5) § 115.352(7) § 115.357(8)	allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(9) [G]§ 115.355	§ 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery	§ 115.357(2) § 115.352(9)	Each pressure relief valve equipped with a rupture	None	§ 115.356 § 115.356(3)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				& Petrochemicals		disk must comply with §115.352(9) and §115.356(3)(C).		[G]§ 115.356(3)(C)	
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
FUGWBT	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUGWBT	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	§ 60.482-1(d)	Equipment that is in vacuum service is excluded from the requirements of §60.482-2 to §60.482-10, if it is identified as required in §60.486(e)(5).	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None
FUGWBT	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-2 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pumps in light liquid service shall comply with the requirements outlined in § 60.482-2(a)-(f).	[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]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGWBT	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-3 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Compressors shall comply with the requirements outlined in § 60.482-3(a)-(j).	[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)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGWBT	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-6 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Open-ended valves or lines shall comply with the requirements outlined in § 60.482-6(a)-(c).	§ 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)
FUGWBT	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-7 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2	Valves in gas/vapor service and in light liquid service shall comply with the requirements outlined in § 60.482-7(a)-(h).	[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)

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							[G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	[G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(g) § 60.486(j)	
FUGWBT	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	§ 60.482-4(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(b)(1) § 60.482-4(b)(2) § 60.482-4(d)(1) § 60.482-4(d)(2) [G]§ 60.482-9	Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background.	§ 60.482-4(b)(1) § 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)
FUGWBT	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pumps in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGWBT	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pressure relief devices in light-liquid service shall comply with the requirements of §60.482-8(a)-(d).	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGWBT	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pressure relief devices in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGWBT	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Flanges and other connectors shall comply with the requirements of §60.482-8(a)-(d).	[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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 60.485(f)	§ 60.486(e)(1) § 60.486(j)	
FUGWBT	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Valves in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
FUGWBT	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-5 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Sampling connection systems shall be in compliance with the requirements outlined in § 60.482-5(a)-(c).	§ 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)
FUGWBT	EU	R63CCVVALL	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
FUGWBT	EU	R63CCVVALL	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)
FUGWBT	EU	R63CCVVALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3	Comply with the specified 40 CFR Part 60, Subpart VV requirements for compressors complying	[G]§ 60.482-3 § 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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-9 § 63.648(a)(2) § 63.648(i) § 63.655(d)(2)	with §60.482-3.	[G]§ 60.485(d) § 60.485(f)	§ 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)	
FUGWBT	EU	R63CCVVALL	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)
FUGWBT	EU	R63CCVVALL	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)
FUGWBT	EU	R63CCVVALL	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)
FUGWBT	EU	R63CCVVALL	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]§ 60.482-7	Comply with the specified 40 CFR Part 60, Subpart VV requirements for valves in gas/vapor	[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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 63.648(a)(2) § 63.655(d)(2)	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)
FUGWBT	EU	R63CCVVALL	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)
FUGWBT	EU	R63CCVVALL	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)
FUGWBT	EU	R63CCVVALL	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)



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FUGWBT	EU	R63CCVVALL	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
GRPHVROCFUG	EU	R5780-ALL	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(f)	None
GRPHVROCFUG	EU	R5780-ALL	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.783(4)(A)(i) § 115.783(4)(A)(ii)	Process drains within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/ Galveston/Brazoria area in which a highly-reactive volatile organic compound is a raw material, intermediate, final product, or in a	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.781(b) § 115.781(b)(10) § 115.781(b)(3) § 115.781(b)(4) § 115.781(b)(5) § 115.781(b)(6) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) § 115.781(g)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.786(d)	§ 115.782(c)(1)(B)(i) [G]§ 115.786(c)

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					§ 115.783(4)(A)(ii)(I) § 115.783(4)(A)(ii)(II) § 115.783(4)(B) § 115.783(4)(B)(i) § 115.783(4)(B)(ii)	waste stream is subject to the requirements of this division.	§ 115.781(g)(1) § 115.781(g)(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(f)	
GRPHVROCFUG	EU	R5780-ALL	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.725(c)(1) § 115.725(c)(2) [G]§ 115.725(c)(3) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.787(e) § 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 the Houston/ Galveston/Brazoria area 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.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 [G]§ 115.725(c)(1) § 115.725(c)(2) [G]§ 115.725(c)(3) § 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)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 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(f) [G]§ 115.788(g)	§ 115.725(c)(4) § 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

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GRPHVROCFUG	EU	R5780-ALL	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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 the Houston/ Galveston/Brazoria area 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.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 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) § 115.789(1)(B)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f) [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)
GRPHVROCFUG	EU	R5780-ALL	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [G]§ 115.781(a) [G]§ 115.781(d) § 115.781(g)(3) § 115.782(a) § 115.782(b)(1) § 115.782(b)(2) § 115.782(c)(2)	Bypass line valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in	§ 115.781(b)(10) § 115.781(b)(4) § 115.781(b)(7) § 115.781(b)(7)(A) § 115.781(b)(7)(B) [G]§ 115.781(d) § 115.781(g) § 115.781(g)(1)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 115.786(a)(1) § 115.786(a)(2) § 115.786(a)(2)(A)	§ 115.782(c)(2)(A)(ii) [G]§ 115.786(c) § 115.788(c) [G]§ 115.788(d) § 115.788(e) [G]§ 115.788(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.782(c)(2)(A) § 115.782(c)(2)(A)(i) § 115.782(c)(2)(A)(ii) § 115.782(c)(2)(B) § 115.783(1) § 115.783(1)(A) § 115.783(1)(B) § 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)	the Houston/ Galveston/Brazoria area 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.	§ 115.781(g)(2) § 115.786(a)(1)	§ 115.786(a)(2)(B) § 115.786(b)(1) § 115.786(b)(2) § 115.786(b)(2)(A) § 115.786(b)(2)(B) § 115.786(b)(2)(C) § 115.786(b)(3) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e) § 115.786(f) [G]§ 115.788(g)	
GRPHVROCFUG	EU	R5780-ALL	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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)	Valves within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/ Galveston/Brazoria area 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(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 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)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) [G]§ 115.786(c) § 115.786(d) § 115.786(d)(2) § 115.786(d)(2)(C) § 115.786(e)	§ 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) § 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.		§ 115.786(f) [G]§ 115.788(g)	
GRPHVROCFUG	EU	R5780-ALL	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 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 the Houston/ Galveston/Brazoria area 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.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 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(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) § 115.789(1)(B)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 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(f)	§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)
GRPHVROCFUG	EU	R5780-ALL	HIGHLY REACTIVE	30 TAC Chapter 115, HRVOC	§ 115.780(a) [G]§ 115.781(a)	Compressor seals within a petroleum refinery;	§ 115.354(1) § 115.354(2)	§ 115.356 [G]§ 115.356(1)	§ 115.782(c)(1)(B)(i) § 115.783(3)(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	§ 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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 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)(B) § 115.787(d)	synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/ Galveston/Brazoria area 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.	§ 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 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)	[G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 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(f)	[G]§ 115.786(c)
GRPHVROCFUG	EU	R5780-ALL	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 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)	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 the Houston/ Galveston/Brazoria area 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.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 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)	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4) § 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 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)	§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 115.783(3)(B) § 115.787(b) § 115.787(b)(1) § 115.787(d)			§ 115.786(d)(2)(C) § 115.786(e) § 115.786(f)	
GRPHVROCFUG	EU	R5780-ALL	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 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)(B) § 115.787(d)	Agitators within a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process; or natural gas/gasoline processing operation in the Houston/ Galveston/Brazoria area 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.	§ 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(c)(1) § 115.781(c)(2) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2)	§ 115.781(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 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(f)	§ 115.782(c)(1)(B)(i) § 115.783(3)(C) [G]§ 115.786(c)
GRPHVROCFUG	EU	R5780-ALL	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	§ 115.780(a) [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) § 115.782(c)(1)(B)(i) § 115.782(c)(1)(B)(ii) § 115.782(c)(1)(B)(iii) § 115.782(c)(1)(B)(iv) § 115.782(c)(1)(C)(i) § 115.782(c)(1)(C)(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 a petroleum refinery; synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether	§ 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(b)(10) § 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.781(g)(3) § 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)	§ 115.782(c)(1)(B)(i) [G]§ 115.786(c) § 115.789(1)(B)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						manufacturing process; or natural gas/gasoline processing operation in which a HRVOC is a raw material, intermediate, final product, or in a waste stream is subject to the requirements of this division.	§ 115.781(g) § 115.781(g)(1) § 115.781(g)(2) § 115.789(1)(B)	§ 115.786(e) § 115.786(f)	
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains, contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(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) § 115.356(4)	None
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 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(4)	None
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(1) § 115.357(12)				
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP < 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A)	No open-ended valves or lines, in an emergency shutdown system or containing materials that	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1)	[G]§ 115.354(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(6) [G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355	[G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated > 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[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)
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery	§ 115.352(1)(A) § 115.352(1)	No valves, rated 10,000 psig or greater and	§ 115.354(1) § 115.354(10)	§ 115.352(7) § 115.354(10)	[G]§ 115.354(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				& Petrochemicals	§ 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A)	No flanges, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(12)	leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	[G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No flanges, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 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) § 115.356(4)	None
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No compressor seal, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7)	No compressor seals, contacting a process fluid with a TVP >0.044 psia, not in hydrogen service	§ 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

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	or not equipped with a shaft seal, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(6) § 115.354(9) [G]§ 115.355	[G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No pump seals, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No pump seals, contacting a process fluid with a TVP >0.044 psia and not equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 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) § 115.356(4)	None
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery	§ 115.357(6)	Components at a petroleum refinery or	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		synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.		[G]§ 115.356(3)(C)	
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPMTBEFUG	EU	R5352ALL	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
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						§63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.			
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPMTBEFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPMTBEFUG	EU	63CCVV-ALL	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
GRPMTBEFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a)	Comply with the specified 40 CFR Part 60, Subpart	[G]§ 60.482-2 § 60.485(a)	[G]§ 60.486(a) [G]§ 60.486(b)	§ 60.487(a) [G]§ 60.487(b)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9 § 63.648(a)(2) § 63.648(f) § 63.655(d)(2)	VV requirements for pumps in light liquid service complying with §60.482-2.	[G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	[G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [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(c) § 60.487(e)
GRPMTBEFUG	EU	63CCVV-ALL	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)
GRPMTBEFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(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)
GRPMTBEFUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-5	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)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

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					[G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	systems complying with §60.482-5.		§ 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	
GRPMTBEFUG	EU	63CCVV-ALL	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)
GRPMTBEFUG	EU	63CCVV-ALL	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)
GRPMTBEFUG	EU	63CCVV-ALL	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)
GRPMTBEFUG	EU	63CCVV-ALL	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]§ 60.485(d) [G]§ 60.485(b)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in heavy liquid	[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 § 63.648(a)(2) § 63.655(d)(2)	service complying with §60.482-8.	§ 60.485(f) [G]§ 63.648(b)	§ 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i)(5)	
GRPMTBEFUG	EU	63CCVV-ALL	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)
GRPMTBEFUG	EU	63CCVV-ALL	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)
GRPMTBEFUG	EU	63CCVV-ALL	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 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)
GRPMTBEFUG	EU	63CCVV-ALL	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	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)(5)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).			
GRPREFFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains, contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(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) § 115.356(4)	None
GRPREFFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 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(4)	None
GRPREFFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(12)	No pressure relief valves (gaseous service), contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
GRPREFFUG	EU	R5352ALL	VOC	30 TAC Chapter	§ 115.352(1)(A)	No pressure relief valves	§ 115.354(1)	§ 115.352(7)	[G]§ 115.354(7)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				115, Pet. Refinery & Petrochemicals	§ 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8)	(gaseous service), contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, longer than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	
GRPREFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP < 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
GRPREFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6)	No open-ended valves or lines, in an emergency shutdown system or containing materials that would autocatalytically polymerize or would present an explosion, serious overpressure, or	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(3)(B)	[G]§ 115.354(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(7) § 115.357(12) § 115.357(8)	other safety hazard if capped or equipped with a double block and bleed system, and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.356(4)	
GRPREFFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No open-ended valves or lines, rated > 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
GRPREFFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
GRPREFFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid	§ 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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.354(7) § 115.354(8) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
GRPREFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No open-ended valves or lines, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
GRPREFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
GRPREFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3)	No valves, rated 10,000 psig or greater and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC	§ 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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(8) § 115.354(9) [G]§ 115.355	§ 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	
GRPREFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(12)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP less than or equal to 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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) § 115.356(4)	[G]§ 115.354(7)
GRPREFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8)	No valves, rated less than or equal to 10,000 psig and contacting a process fluid with a TVP greater than 0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(8) § 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(4)	[G]§ 115.354(7)
GRPREFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No flanges, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(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



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(12)		§ 115.357(1)	§ 115.356(4)	
GRPREFFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No flanges, contacting a process fluid with a TVP >0.044 psia, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 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) § 115.356(4)	None
GRPREFFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No compressor seal, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
GRPREFFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No compressor seal, in hydrogen service or equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
GRPREFFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No compressor seals, contacting a process fluid with a TVP >0.044 psia, not in hydrogen service or not equipped with a shaft seal, shall be allowed to have a VOC leak, for more than 15	§ 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)
					§ 115.357(8)	days after discovery, exceeding the specified VOC concentration.		§ 115.356(4)	
GRPREFFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No pump seals, contacting a process fluid with a TVP of 0.044 psia or less, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
GRPREFFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7)	No pump seal, equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(4)	None
GRPREFFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) [G]§ 115.352(2)(C) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8)	No pump seals, contacting a process fluid with a TVP >0.044 psia and not equipped with a shaft seal system, shall be allowed to have a VOC leak, for more than 15 days after discovery, exceeding the specified VOC concentration.	§ 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) § 115.356(4)	None
GRPREFFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process,	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)
						that contact a process fluid that contains less than 10% VOC by weight and components at a natural gas/gasoline processing operation that contact a process fluid that contains less than 1.0% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.			
GRPREFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPREFUG	EU	R5352ALL	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
GRPREFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						§115.356(3)(C) of this title.			
GRPREFFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPREFFUG	EU	R5352ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPREFFUG	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	§ 60.482-1(d)	Equipment that is in vacuum service is excluded from the requirements of §60.482-2 to §60.482-10, if it is identified as required in §60.486(e)(5).	None	§ 60.486(e) § 60.486(e)(1) § 60.486(e)(5)	None
GRPREFFUG	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-2 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pumps in light liquid service shall comply with the requirements outlined in § 60.482-	[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)
						2(a)-(f).	[G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j)	
GRPREFFUG	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-3 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Compressors shall comply with the requirements outlined in § 60.482-3(a)-(j).	[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)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPREFFUG	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-6 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Open-ended valves or lines shall comply with the requirements outlined in § 60.482-6(a)-(c).	§ 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)
GRPREFFUG	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-7 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2	Valves in gas/vapor service and in light liquid service shall comply with the requirements outlined in § 60.482-7(a)-(h).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e)
GRPREFFUG	EU	60VVALL	VOC	40 CFR Part 60, Subpart VV	§ 60.482-4(a) § 60.482-1(a) § 60.482-1(b) § 60.482-4(b)(1) § 60.482-4(b)(2) § 60.482-4(d)(1) § 60.482-4(d)(2)	Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with no detectable emissions, as indicated by an instrument reading	§ 60.482-4(b)(1) § 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)
					[G]§ 60.482-9	of less than 500 ppm above background.			
GRPREFFUG	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pumps in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPREFFUG	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pressure relief devices in light-liquid service shall comply with the requirements of §60.482-8(a)-(d).	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPREFFUG	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Pressure relief devices in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPREFFUG	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Flanges and other connectors shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPREFFUG	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-8 § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-9	Valves in heavy liquid service shall comply with the requirements of §60.482-8(a)-(d).	[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) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)
GRPREFFUG	EU	6oVVALL	VOC	40 CFR Part 60, Subpart VV	[G]§ 60.482-5 § 60.482-1(a)	Sampling connection systems shall be in	§ 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]§ 60.482-9	compliance with the requirements outlined in § 60.482-5(a)-(c).	[G]§ 60.485(d) § 60.485(f)	§ 60.486(e)(1) § 60.486(j)	[G]§ 60.487(c) § 60.487(e)
GRPREFUG	EU	R63CCVVALL	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
GRPREFUG	EU	R63CCVVALL	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)
GRPREFUG	EU	R63CCVVALL	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)
GRPREFUG	EU	R63CCVVALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a)	Comply with the specified 40 CFR Part 60, Subpart	§ 60.482-4(b)(2) § 60.485(a)	[G]§ 60.486(a) § 60.486(e)	§ 60.487(a) [G]§ 60.487(b)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 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)	VV requirements for pressure relief devices in gas/vapor service.	[G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	§ 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(c) § 60.487(e)
GRPREFFUG	EU	R63CCVVALL	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)
GRPREFFUG	EU	R63CCVVALL	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)
GRPREFFUG	EU	R63CCVVALL	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)
GRPREFFUG	EU	R63CCVVALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a)	Comply with the specified 40 CFR Part 60, Subpart	[G]§ 60.482-8 § 60.485(a)	[G]§ 60.486(a) [G]§ 60.486(b)	§ 60.487(a) [G]§ 60.487(b)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 63.648(a)(2) § 63.655(d)(2)	VV requirements for valves in heavy liquid service complying with §60.482-8.	[G]§ 60.485(b) [G]§ 60.485(d) § 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)
GRPREFUG	EU	R63CCVVALL	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)
GRPREFUG	EU	R63CCVVALL	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)
GRPREFUG	EU	R63CCVVALL	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
CWT10	EU	R5720-1	HIGHLY REACTIVE	30 TAC Chapter 115, HRVOC	§ 115.767(2)	Any cooling tower heat exchange system in which	None	§ 115.766(b) § 115.766(b)(2)	None

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			VOC	Cooling Towers		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.		§ 115.766(c)	
CWT11	EU	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Cooling Towers	§ 115.761(c)(1) § 115.761(c)(3) § 115.766(i)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 1 of this subchapter must not exceed 1,200 pounds of HRVOCs per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 115.764(c) § 115.764(f)	§ 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) [G]§ 115.766(h) § 115.766(i)(1)	§ 115.766(i)(2)
CWT12	EU	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Cooling Towers	§ 115.767(3) § 115.764(a)(1) § 115.766(i)	Any site for which no stream directed to a cooling tower heat exchange system contains 5.0% or greater by weight HRVOC is exempt from the requirements of § 115.761 of this title (relating to Site-wide Cap).	§ 115.764(a)(1) § 115.764(a)(3) § 115.764(c) § 115.764(d) § 115.764(g)(2)	§ 115.766(a)(4) § 115.766(c) § 115.766(d) § 115.766(i)(1)	§ 115.766(i)(2)
CWT15	EU	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Cooling Towers	§ 115.761(c)(1) § 115.761(c)(3) § 115.766(i)	HRVOC emissions at each site located in Harris County that is	§ 115.764(c) § 115.764(f)	§ 115.766(a)(1) § 115.766(a)(2) § 115.766(a)(3)	§ 115.766(i)(2)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						subject to this division or Division 1 of this subchapter must not exceed 1,200 pounds of HRVOCs per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.		§ 115.766(a)(5) § 115.766(a)(6) § 115.766(c) [G]§ 115.766(g) [G]§ 115.766(h) § 115.766(i)(1)	
CWT16	EU	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Cooling Towers	§ 115.761(c)(1) § 115.761(c)(3) § 115.766(i)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 1 of this subchapter must not exceed 1,200 pounds of HRVOCs per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 115.764(c) § 115.764(f)	§ 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) [G]§ 115.766(h) § 115.766(i)(1)	§ 115.766(i)(2)
CWT17	EU	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Cooling Towers	§ 115.761(c)(1) § 115.761(c)(3) § 115.766(i)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 1 of this subchapter must not exceed 1,200 pounds of HRVOCs per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 115.764(c) § 115.764(f)	§ 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) [G]§ 115.766(h) § 115.766(i)(1)	§ 115.766(i)(2)
CWT6	EU	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Cooling Towers	§ 115.767(3) § 115.764(b)(1) § 115.766(i)	Any site for which no stream directed to a cooling tower heat exchange system contains	§ 115.764(b)(1) § 115.764(b)(3) § 115.764(c) § 115.764(d)	§ 115.766(a)(4) § 115.766(c) § 115.766(d) § 115.766(i)(1)	§ 115.766(i)(2)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						5.0% or greater by weight HRVOC is exempt from the requirements of § 115.761 of this title (relating to Site-wide Cap).	[G]§ 115.764(g)(1)		
CWT7	EU	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Cooling Towers	§ 115.761(c)(1) § 115.761(c)(3) § 115.766(i)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 1 of this subchapter must not exceed 1,200 pounds of HRVOCs per one-hour block period from any flare, vent, pressure relief valve, cooling tower, or any combination.	§ 115.764(c) § 115.764(f)	§ 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) [G]§ 115.766(h) § 115.766(i)(1)	§ 115.766(i)(2)
CWT8	EU	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Cooling Towers	§ 115.767(3) § 115.764(a)(1) § 115.766(i)	Any site for which no stream directed to a cooling tower heat exchange system contains 5.0% or greater by weight HRVOC is exempt from the requirements of § 115.761 of this title (relating to Site-wide Cap).	§ 115.764(a)(1) § 115.764(a)(3) § 115.764(c) § 115.764(d)	§ 115.766(a)(4) § 115.766(c) § 115.766(d) § 115.766(i)(1)	§ 115.766(i)(2)
CWT9	EU	R5720-1	HIGHLY REACTIVE VOC	30 TAC Chapter 115, HRVOC Cooling Towers	§ 115.761(c)(1) § 115.761(c)(3) § 115.766(i)	HRVOC emissions at each site located in Harris County that is subject to this division or Division 1 of this subchapter must not exceed 1,200 pounds of HRVOCs per one-hour block period from any	§ 115.764(c) § 115.764(f)	§ 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) [G]§ 115.766(h) § 115.766(i)(1)	§ 115.766(i)(2)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						flare, vent, pressure relief valve, cooling tower, or any combination.			
ACIDLOAD	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 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
DEALOAD	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) [G]§ 115.212(a)(7) § 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
GRPLUBLOAD	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) [G]§ 115.212(a)(7) § 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
GRPMARLOAD	EU	R5211-1	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)	Emissions shall not exceed 0.09lb/1,000gal loaded, or the vapor control system shall maintain a control efficiency of at least 90%,	[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)	[G]§ 115.214(a)(3)(A) § 115.214(a)(3)(D) § 115.216 § 115.216(1) § 115.216(1)(C) § 115.216(2)	None

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					§ 115.214(a)(3)(D) § 115.214(a)(3)(E)	or a vapor balance system or pressurized loading may be used.	§ 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) ** See Periodic Monitoring Summary	[G]§ 115.216(4)	
GRPMARLOAD	EU	R5211-2	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(5)(B) § 115.212(a)(6)(D) [G]§ 115.212(a)(7) § 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
GRPMARLOAD	EU	R5211-2	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(5)(B) [G]§ 115.212(a)(7) § 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
GRPMARLOAD	EU	R5211-3	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	[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)	[G]§ 115.214(a)(3)(A) § 115.214(a)(3)(D) § 115.216 § 115.216(1) § 115.216(1)(B) § 115.216(2) [G]§ 115.216(4)	None

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					§ 60.18	may be used.	§ 115.215(10) [G]§ 115.215(2) [G]§ 115.215(3) § 115.215(4) § 115.215(5) § 115.215(7) § 115.215(8) § 115.215(9) § 115.216(1) § 115.216(1)(B)		
GRPMARLOAD	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)
GRPMARLOAD	EU	63Y-1	112(B) HAPS	40 CFR Part 63, Subpart Y	§ 63.562(b) [G]§ 63.562(b)(1) § 63.562(e) § 63.562(e)(1) [G]§ 63.562(e)(2) [G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6) § 63.563(a)(2) § 63.563(a)(3)	Marine tank vessel loading operations shall apply MACT standards, except for the VMT source.	§ 63.563(b)(3) [G]§ 63.563(c) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4) § 63.564(c) [G]§ 63.565(b) § 63.565(l)	§ 63.562(e)(5) § 63.567(f) [G]§ 63.567(g) [G]§ 63.567(k)	§ 63.567(c) § 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(4) § 63.567(e)(5) § 63.567(e)(6) § 63.567(f)
GRPMARLOAD	EU	63Y-3	112(B) HAPS	40 CFR Part 63, Subpart Y	§ 63.562(b) § 63.11 § 63.560(d)(1) § 63.560(d)(4) § 63.560(d)(5) [G]§ 63.562(b)(1) [G]§ 63.562(b)(6)	Marine tank vessel loading operations shall apply MACT standards, except for the VMT source.	[G]§ 63.562(b)(6) § 63.563(b)(3) § 63.563(b)(5) [G]§ 63.563(c) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4)	[G]§ 63.562(b)(6) § 63.562(e)(5) § 63.564(b)(1) § 63.564(f) § 63.565(e) § 63.567(f) [G]§ 63.567(g)	[G]§ 63.562(b)(6) § 63.567(c) § 63.567(d) § 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(4)

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					§ 63.562(e) § 63.562(e)(1) [G]§ 63.562(e)(2) [G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6) [G]§ 63.563(a)(1) § 63.563(a)(2) § 63.563(a)(3)		§ 63.564(b)(1) § 63.564(c) § 63.564(f) [G]§ 63.565(b) § 63.565(e) § 63.565(l)	§ 63.567(j)(1) § 63.567(j)(2) [G]§ 63.567(k)	§ 63.567(e)(5) § 63.567(e)(6) § 63.567(f) § 63.567(j)(3)
GRPMARLOAD	EU	63Y-3	112(B) HAPS	40 CFR Part 63, Subpart Y	§ 63.562(b) § 63.11 [G]§ 63.562(b)(1) § 63.562(b)(2) [G]§ 63.562(b)(6) § 63.562(e) § 63.562(e)(1) [G]§ 63.562(e)(2) [G]§ 63.562(e)(3) § 63.562(e)(4) § 63.562(e)(5) § 63.562(e)(6) § 63.563(a)(2) § 63.563(a)(3)	Marine tank vessel loading operations shall apply MACT standards, except for the VMT source.	[G]§ 63.562(b)(6) § 63.563(b) § 63.563(b)(1) § 63.563(b)(10) § 63.563(b)(3) § 63.563(b)(5) [G]§ 63.563(c) § 63.564(a)(2) § 63.564(a)(3) § 63.564(a)(4) § 63.564(c) § 63.564(f) [G]§ 63.565(b) § 63.565(e) § 63.565(l)	[G]§ 63.562(b)(6) § 63.562(e)(5) § 63.564(f) § 63.565(e) § 63.567(f) [G]§ 63.567(g) § 63.567(j)(1) § 63.567(j)(2) [G]§ 63.567(k)	[G]§ 63.562(b)(6) § 63.567(b)(5) § 63.567(c) § 63.567(d) § 63.567(e)(1) [G]§ 63.567(e)(2) § 63.567(e)(3) § 63.567(e)(4) § 63.567(e)(5) § 63.567(e)(6) § 63.567(f) § 63.567(j)(3)
GTTLR	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(B) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Gasoline bulk plants which load less than 4,000 gallons of gasoline into transport vessels per day are exempt from the requirements of this division, except for the specified requirements.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.214(a)(1)(B)	§ 115.216 § 115.216(3)(D)	None
GRP-FURN	EU	R7ICI-1	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(d)(3) § 117.310(a) § 117.310(a)(8)(A)(i) § 117.310(b)	An owner or operator may not use the alternative methods specified in §§ 117.315,	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(8)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(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]§ 117.310(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)	117.323 and 117.9800 to comply with the NO <sub>x</sub> 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(d) § 117.335(f) § 117.335(g) § 117.340(a)(2)(B) § 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)	§ 117.345(f)(9)	§ 117.345(d) § 117.345(d)(3)
GRP-FURN	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 <sub>2</sub> , 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	§ 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)
GRP-FURN	EU	63DDDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) (i.e. , they are not subject to the emission limits, work practice standards, performance testing,	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)
						monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).			
GRPHTR2	EU	R7ICI-1	NO <sub>x</sub>	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 <sub>x</sub> 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)	§ 117.345(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)
GRPHTR2	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 <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g)	§ 117.345(a) § 117.345(f) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c)
GRPHTR2	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1)	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)
						through (3) of this section are subject to only the initial notification requirements in §63.9(b) ( i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).			
GRPHTR3	EU	R7ICI-1	NO <sub>x</sub>	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 <sub>x</sub> 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(g) § 117.340(a)(2)(B) § 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3)
GRPHTR3	EU	R7ICI-1	CO	30 TAC Chapter 117, Subchapter	§ 117.310(c)(1) § 117.310(c)(1)(A)	CO emissions must not exceed 400 ppmv at 3.0%	[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)
				B	§ 117.310(c)(3) § 117.340(f)(1)	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(e) [G]§ 117.340(f)(2)	[G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	[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)
GRPHTR3	EU	R7ICI-1	NH <sub>3</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(2) § 117.310(c)(2)(B) § 117.340(f)(1)	For process heaters that inject urea or ammonia into the exhaust stream for NO <sub>x</sub> control, ammonia emissions must not exceed 10 ppmv at 3.0% O <sub>2</sub> , dry.	§ 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(g) § 117.340(d) [G]§ 117.340(f)(2)	§ 117.345(a) § 117.345(f) § 117.345(f)(11) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 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)
GRPHTR3	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) ( i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).	None	None	None
GRPHTR4	EU	R7ICI-1	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter	§ 117.310(d)(3) § 117.310(a)	An owner or operator may not use the	[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)
				B	§ 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)	alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO <sub>x</sub> 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(b) § 117.335(c) § 117.335(d) § 117.335(f) § 117.335(g) § 117.340(a)(2)(B) § 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)	[G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	[G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3)
GRPHTR4	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 <sub>2</sub> , 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	§ 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)
GRPHTR4	EU	R7ICI-1	NH <sub>3</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(2) § 117.310(c)(2)(B) § 117.340(f)(1)	For process heaters that inject urea or ammonia into the exhaust stream for NO <sub>x</sub> control, ammonia emissions must not exceed 10 ppmv at 3.0% O <sub>2</sub> , dry.	§ 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(g) § 117.340(d) [G]§ 117.340(f)(2)	§ 117.345(a) § 117.345(f) § 117.345(f)(11) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 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)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPHTR4	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) (i.e., they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).	None	None	None
GRPHTR6	EU	R7ICI-1	NO <sub>x</sub>	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 <sub>x</sub> 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(g) § 117.340(a)(2)(B) § 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPHTR6	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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	§ 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)
GRPHTR6	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.6506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) (i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).	None	None	None
GRPHTR7	EU	R7ICI-1	NO <sub>x</sub>	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 <sub>x</sub> 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(g) § 117.340(a)(2)(B) § 117.340(b)(1) § 117.340(b)(3)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 117.340(p)(1) § 117.340(p)(3)	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(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1)		
GRPHTR7	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 <sub>2</sub> , 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	§ 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)
GRPHTR7	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) (i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in	None	None	None



## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						subpart A of this part).			
H1000	EU	R7ICI-1	NO <sub>x</sub>	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 <sub>x</sub> 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(g) § 117.340(a)(2)(B) § 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3)
H1000	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 <sub>2</sub> , 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	§ 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)
H1000	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only	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)
						the initial notification requirements in §63.9(b) ( i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).			
H1001	EU	R7ICI-1	NOX	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 NOx 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)	§ 117.345(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)
H1001	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)	§ 117.345(a) § 117.345(f) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(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)
							§ 117.335(e) § 117.335(g)		
H1001	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) ( i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).	None	None	None
H1100	EU	R7ICI-1	NO <sub>x</sub>	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 <sub>x</sub> 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(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)	§ 117.345(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)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual 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.			
H1100	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 <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g)	§ 117.345(a) § 117.345(f) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c)
H1100	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) ( i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).	None	None	None
H31003	EU	R7ICI-1	NO <sub>x</sub>	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 <sub>x</sub> 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(g) § 117.340(a)(2)(B) § 117.340(b)(1) § 117.340(b)(3)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 117.340(p)(1) § 117.340(p)(3)	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(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1)		
H31003	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 <sub>2</sub> , 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	§ 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)
H31003	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) (i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in	None	None	None

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						subpart A of this part).			
H3300	EU	R7ICI-1	NO <sub>x</sub>	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 <sub>x</sub> 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)	§ 117.345(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)
H3300	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 <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g)	§ 117.345(a) § 117.345(f) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c)
H3300	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) ( i.e. , they are not subject to the emission limits,	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)
						work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).			
H36100	EU	R7ICI-1	NO <sub>x</sub>	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 <sub>x</sub> 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)	§ 117.345(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)
H36100	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 <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g)	§ 117.345(a) § 117.345(f) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c)
H36100	EU	63DDDDD	112(B)	40 CFR Part 63,	§ 63.7506(b)(1)	The affected boilers and	None	None	None

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			HAPS	Subpart DDDDD		process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) ( i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).			
H5101	EU	R7ICI-1	NO <sub>x</sub>	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 <sub>x</sub> 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(g) § 117.340(a)(2)(B) § 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3)



## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
H5101	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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	§ 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)
H5101	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) (i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).	None	None	None
H5102	EU	R7ICI-1	NO <sub>x</sub>	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 <sub>x</sub> 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(g) § 117.340(a)(2)(B) § 117.340(b)(1) § 117.340(b)(3)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 117.340(p)(1) § 117.340(p)(3)	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(c)(1) [G]§ 117.340(c)(3) [G]§ 117.340(f)(2) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1)		
H5102	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 <sub>2</sub> , 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	§ 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)
H5102	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) (i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in	None	None	None

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						subpart A of this part).			
H5104	EU	R7ICI-1	NO <sub>x</sub>	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 <sub>x</sub> 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(g) § 117.340(a)(2)(B) § 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3)
H5104	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 <sub>2</sub> , 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	§ 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)
H5104	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only	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)
						the initial notification requirements in §63.9(b) ( i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).			
H5105	EU	R7ICI-1	NO <sub>x</sub>	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 <sub>x</sub> 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)	§ 117.345(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)
H5105	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 <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d)	§ 117.345(a) § 117.345(f) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(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)
							§ 117.335(e) § 117.335(g)		
H5105	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) ( i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).	None	None	None
H5305	EU	R7ICI-1	NO <sub>x</sub>	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 <sub>x</sub> 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(g) § 117.340(a)(2)(B) § 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						alternative methods specified in § 117.9800 to comply with § 117.320.			
H5305	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 <sub>2</sub> , 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	§ 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)
H5305	EU	R7ICI-1	NH <sub>3</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(2) § 117.310(c)(2)(B) § 117.340(f)(1)	For process heaters that inject urea or ammonia into the exhaust stream for NO <sub>x</sub> control, ammonia emissions must not exceed 10 ppmv at 3.0% O <sub>2</sub> , dry.	§ 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(g) § 117.340(d) [G]§ 117.340(f)(2)	§ 117.345(a) § 117.345(f) § 117.345(f)(11) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 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)
H5305	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) ( i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements	None	None	None

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						of this subpart or any other requirements in subpart A of this part).			
H5350	EU	R7ICI-1	NO <sub>x</sub>	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(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 <sub>x</sub> 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(g) § 117.340(a)(2)(B) § 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3)
H5350	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 <sub>2</sub> , 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	§ 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)
H5350	EU	R7ICI-1	NH <sub>3</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(2) § 117.310(c)(2)(B) § 117.340(f)(1)	For process heaters that inject urea or ammonia into the exhaust stream	§ 117.335(a)(2) § 117.335(a)(4) § 117.335(b)	§ 117.345(a) § 117.345(f) § 117.345(f)(11)	§ 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)
						for NO <sub>x</sub> control, ammonia emissions must not exceed 10 ppmv at 3.0% O <sub>2</sub> , dry.	§ 117.335(c) § 117.335(d) § 117.335(g) § 117.340(d) [G]§ 117.340(f)(2)	[G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	[G]§ 117.345(c) § 117.345(d) § 117.345(d)(2) § 117.345(d)(3) § 117.345(d)(4) § 117.345(d)(5)
H5350	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) ( i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).	None	None	None
H5403	EU	R7ICI-1	NO <sub>x</sub>	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 <sub>x</sub> 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	[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)	§ 117.345(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)



## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						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.			
H5403	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 <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g)	§ 117.345(a) § 117.345(f) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c)
H5403	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) ( i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).	None	None	None
H5404	EU	R7ICI-1	NO <sub>x</sub>	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)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO <sub>x</sub>	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(f)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[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)	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(g) § 117.340(a)(2)(B) § 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)		
H5404	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 <sub>2</sub> , 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) [G]§ 117.345(c) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	§ 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)
H5404	EU	63DDDDD	1112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) (i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans,	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)
						recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).			
H5500	EU	R7ICI-1	NO <sub>x</sub>	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 <sub>x</sub> 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(g) § 117.340(a)(2)(B) § 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3)
H5500	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 <sub>2</sub> , 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	§ 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)
H5500	EU	63DDDDD	112(B)	40 CFR Part 63,	§ 63.7506(b)(1)	The affected boilers and	None	None	None

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			HAPS	Subpart DDDDD		process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) ( i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).			
H600	EU	R7ICI-1	NO <sub>x</sub>	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 <sub>x</sub> 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(g) § 117.340(a)(2)(B) § 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
H600	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 <sub>2</sub> , 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(e)	§ 117.345(a) § 117.345(f) § 117.345(f)(7) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c)
H600	EU	R7ICI-1	NH <sub>3</sub>	30 TAC Chapter 117, Subchapter B	§ 117.310(c)(2) § 117.310(c)(2)(B) § 117.340(f)(1)	For process heaters that inject urea or ammonia into the exhaust stream for NO <sub>x</sub> control, ammonia emissions must not exceed 10 ppmv at 3.0% O <sub>2</sub> , dry.	§ 117.335(a)(2) § 117.335(a)(4) § 117.335(b) § 117.335(c) § 117.335(d) § 117.335(g) § 117.340(d) [G]§ 117.340(f)(2)	§ 117.345(a) § 117.345(f) § 117.345(f)(11) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 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)
H613	EU	R7ICI-1	NO <sub>x</sub>	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 <sub>x</sub> 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(g) § 117.340(a)(2)(B) § 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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(8) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c) § 117.345(d) § 117.345(d)(3)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
H613	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)	§ 117.345(a) § 117.345(f) [G]§ 117.345(f)(2) § 117.345(f)(7) § 117.345(f)(8) § 117.345(f)(9)	§ 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)
H613	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) (i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).	None	None	None
H63000	EU	R7ICI-1	NO <sub>x</sub>	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)	An owner or operator may not use the alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO <sub>x</sub> 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(d) § 117.335(e) § 117.335(g) § 117.340(a) § 117.340(l)(2) § 117.340(o)(1) § 117.340(p)(1)	§ 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)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual 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)(2)(C) § 117.340(p)(3)	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(p)(2)(A) § 117.340(p)(2)(B) § 117.340(p)(2)(C)		
H63000	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 <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g)	§ 117.345(a) § 117.345(f) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c)
H63000	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) ( i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).	None	None	None
H70001	EU	R7ICI-1	NO <sub>x</sub>	30 TAC Chapter 117, Subchapter	§ 117.310(d)(3) § 117.310(a)	An owner or operator may not use the	[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)
				B	§ 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)	alternative methods specified in §§ 117.315, 117.323 and 117.9800 to comply with the NO <sub>x</sub> 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(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)	§ 117.345(f)(1) § 117.345(f)(9)	§ 117.340(p)(2)(D) [G]§ 117.345(b) [G]§ 117.345(c)
H70001	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 <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g)	§ 117.345(a) § 117.345(f) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c)
H70001	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) (i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans,	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)
						recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).			
H70002	EU	R7ICI-1	NO <sub>x</sub>	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 <sub>x</sub> 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)	§ 117.345(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)
H70002	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 <sub>2</sub> , dry basis.	[G]§ 117.335(a)(1) § 117.335(a)(4) § 117.335(b) § 117.335(d) § 117.335(e) § 117.335(g)	§ 117.345(a) § 117.345(f) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(c)
H70002	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only	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)
						the initial notification requirements in §63.9(b) ( i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).			
H9150	EU	R7ICI-1	NOX	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 NOx 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)	§ 117.345(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)
H9150	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)	§ 117.345(a) § 117.345(f) § 117.345(f)(9)	§ 117.335(b) § 117.335(g) [G]§ 117.345(b) [G]§ 117.345(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)
							§ 117.335(e) § 117.335(g)		
H9150	EU	63DDDD-1	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7506(b)(1)	The affected boilers and process heaters listed in paragraphs (b)(1) through (3) of this section are subject to only the initial notification requirements in §63.9(b) ( i.e. , they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part).	None	None	None
P-87107	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	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)
						average.			
GRP-TURB	EU	6oGG-1	NOX	40 CFR Part 60, Subpart GG	§ 60.332(a)(1) § 60.332(a)(3)	No owner or operator shall discharge into the atmosphere from any stationary gas turbine, any gases which contain nitrogen oxides in excess of the amount as determined from the specified equation.	[G]§ 60.334(b) § 60.334(j) § 60.334(j)(1) [G]§ 60.334(j)(1)(iii) [G]§ 60.335(a) § 60.335(b)(2) § 60.335(b)(3)	[G]§ 60.334(b)	§ 60.334(j) § 60.334(j)(5)
A312-R1	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
A333	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
A333	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) § 60.116b(e)(2)(f) [G]§ 63.120(b)(7) § 63.640(n)(8)(ii)		§ 63.640(n)(8)(v)
AP7-R1	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
F325	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
F325	EU	R5112-3	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
F325	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)
F325	EU	63CC-2	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)
FP200	EU	R5112-6	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
G363	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the	The permit holder shall comply with the applicable requirements	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

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	of 30 TAC Chapter 115, Storage of VOCs	and testing requirements of 30 TAC Chapter 115, Storage of VOCs	recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	requirements of 30 TAC Chapter 115, Storage of VOCs
GRPBENZIGF	EU	60Kb-2	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(d) § 60.116b(f)(2)	§ 60.116b(a) § 60.116b(b)	§ 60.116b(d)
GRPBENZIGF	EU	60Kb-3	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3) § 60.18	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).	§ 60.113b(d) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1) [G]§ 60.485(b)	§ 60.115b § 60.115b(d)(2) § 60.116b(a) § 60.116b(b)	§ 60.115b § 60.115b(d)(1) § 60.115b(d)(3)
GRPBENZIGF	EU	61FF-1	BENZENE	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 60.18 § 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(b) § 61.349(e) § 61.349(f)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 61.349(g)				
GRPBENZIGF	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.133(a)(2)(i) § 63.11 § 63.132(a)(2)(i)(A) § 63.132(a)(2)(i)(B) [G]§ 63.132(f) § 63.133(b)(1)(ii) § 63.133(f) § 63.133(h) § 63.139(b) § 63.139(c)(3) § 63.139(f) § 63.140(a) § 63.140(b) § 63.140(c) § 63.144(a) [G]§ 63.145(j) [G]§ 63.148(d) § 63.148(e)	A fixed roof and a closed-vent system that routes the organic hazardous air pollutants vapors vented from the wastewater tank to a control device.	§ 63.133(f) § 63.133(g) § 63.133(g)(3) § 63.139(d)(3) § 63.139(e) § 63.143(a) § 63.143(e) § 63.143(e)(1) § 63.143(g) [G]§ 63.145(j) § 63.148(b)(1)(ii) § 63.148(b)(2)(iii) § 63.148(b)(3) [G]§ 63.148(c) § 63.148(g) § 63.148(g)(2) § 63.148(h) § 63.148(h)(2)	§ 63.133(h) § 63.145(a)(3) [G]§ 63.145(a)(4) § 63.147(b) § 63.147(b)(1) § 63.147(b)(2) § 63.147(b)(5) § 63.147(b)(6) § 63.147(b)(7) § 63.147(d) § 63.147(d)(1) § 63.148(g)(2) § 63.148(h)(2) § 63.148(i)(1) § 63.148(i)(2) [G]§ 63.148(i)(4) § 63.148(i)(5) § 63.148(i)(6) [G]§ 63.152(a)	§ 63.146(b)(2) § 63.146(b)(5) § 63.146(b)(6) § 63.146(b)(7) [G]§ 63.146(b)(7)(i) § 63.146(c) § 63.146(e) § 63.146(e)(1) § 63.146(g) § 63.148(j) § 63.148(j)(1) [G]§ 63.151(b) § 63.151(e) § 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
GRPBENZTK	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)	§ 60.115b [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)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 60.113b(b)(5) [G]§ 60.113b(b)(6)		
GRPBENZTK	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.133(a)(2)(iii) § 63.132(a)(2)(i)(A) § 63.132(a)(2)(i)(B) [G]§ 63.132(f) § 63.133(e)(2) § 63.133(f) § 63.133(h) § 63.140(a) § 63.140(b) § 63.140(c) § 63.144(a)	An external floating roof that meets the requirements specified in §63.119(c), §63.120(b)(5), and §63.120(b)(6) of this subpart; or	§ 63.133(e)(1) § 63.133(f) § 63.133(g) § 63.133(g)(2) § 63.133(g)(3) § 63.143(a) § 63.143(g)	§ 63.133(e)(2) § 63.133(h) § 63.147(b) § 63.147(b)(1) § 63.147(b)(2) § 63.147(b)(6) § 63.147(b)(7) [G]§ 63.152(a)	§ 63.146(b)(2) § 63.146(b)(5) § 63.146(b)(6) § 63.146(c) § 63.146(g) [G]§ 63.151(b) § 63.151(e) § 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(f) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
GRPBWNTK1	EU	60Kb-2	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(d) § 60.116b(f)(2)	§ 60.116b(a) § 60.116b(b)	§ 60.116b(d)
GRPBWNTK1	EU	60Kb-3	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)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						(pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	§ 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(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1)		§ 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
GRPBWNTK1	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)
GRPBWNTK1	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.133(a)(1)	A fixed roof shall be operated and maintained except that if the wastewater tank is used for specified purpose, then owner or operator shall comply with requirements of § 63.133(a)(2).	None	None	§ 63.146(b)(2) § 63.146(b)(5) [G]§ 63.151(b) § 63.151(e) § 63.151(e)(1) § 63.151(e)(2) [G]§ 63.151(f) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(c)(1) § 63.152(c)(4)(ii)
GRPBWNTK1	EU	63CC-2	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.133(a)(2)(iii) § 63.132(a)(2)(i)(A)	An external floating roof that meets the	§ 63.133(e)(1) § 63.133(f)	§ 63.133(e)(2) § 63.133(h)	§ 63.146(b)(2) § 63.146(b)(5)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.132(a)(2)(i)(B) [G]§ 63.132(f) § 63.133(e)(2) § 63.133(f) § 63.133(h) § 63.140(a) § 63.140(b) § 63.140(c) § 63.144(a)	requirements specified in §63.119(c), §63.120(b)(5), and §63.120(b)(6) of this subpart; or	§ 63.133(g) § 63.133(g)(2) § 63.133(g)(3) § 63.143(a) § 63.143(g)	§ 63.147(b) § 63.147(b)(1) § 63.147(b)(2) § 63.147(b)(6) § 63.147(b)(7) [G]§ 63.152(a)	§ 63.146(b)(6) § 63.146(c) § 63.146(g) [G]§ 63.151(b) § 63.151(e) § 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(f) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
GRPBWNTK2	EU	60Kb-2	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(d) § 60.116b(f)(2)	§ 60.116b(a) § 60.116b(b)	§ 60.116b(d)
GRPBWNTK2	EU	60Kb-3	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)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b)	§ 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)

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							[G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1)		
GRPBWNTK2	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)
GRPBWNTK2	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.133(a)(1)	A fixed roof shall be operated and maintained except that if the wastewater tank is used for specified purpose, then owner or operator shall comply with requirements of § 63.133(a)(2).	None	None	§ 63.146(b)(2) § 63.146(b)(5) [G]§ 63.151(b) § 63.151(e) § 63.151(e)(1) § 63.151(e)(2) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(c)(1) § 63.152(c)(4)(ii)
GRPBWNTK2	EU	63CC-2	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.133(a)(2)(i) § 63.11 § 63.132(a)(2)(i)(A) § 63.132(a)(2)(i)(B) [G]§ 63.132(f) § 63.133(b)(1)(ii) § 63.133(f)	A fixed roof and a closed-vent system that routes the organic hazardous air pollutants vapors vented from the wastewater tank to a control device.	§ 63.133(f) § 63.133(g) § 63.133(g)(3) § 63.139(d)(3) § 63.139(e) § 63.143(a) § 63.143(e)	§ 63.133(h) § 63.145(a)(3) [G]§ 63.145(a)(4) § 63.147(b) § 63.147(b)(1) § 63.147(b)(2) § 63.147(b)(5)	§ 63.146(b)(2) § 63.146(b)(5) § 63.146(b)(6) § 63.146(b)(7) [G]§ 63.146(b)(7)(i) § 63.146(c) § 63.146(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.133(h) § 63.139(b) § 63.139(c)(3) § 63.139(f) § 63.140(a) § 63.140(b) § 63.140(c) § 63.144(a) [G]§ 63.145(j) [G]§ 63.148(d) § 63.148(e)		§ 63.143(e)(1) § 63.143(g) [G]§ 63.145(j) § 63.148(b)(1)(ii) § 63.148(b)(2)(iii) § 63.148(b)(3) [G]§ 63.148(c) § 63.148(g) § 63.148(h)(2) § 63.148(i)(2) [G]§ 63.148(i)(4) § 63.148(i)(5) § 63.148(i)(6) [G]§ 63.152(a)	§ 63.147(b)(6) § 63.147(b)(7) § 63.147(d) § 63.147(d)(1) § 63.148(g)(2) § 63.148(h)(2) § 63.148(i)(1) § 63.148(i)(2) [G]§ 63.148(i)(4) § 63.148(i)(5) § 63.148(i)(6) [G]§ 63.152(a)	§ 63.146(e)(1) § 63.146(g) § 63.148(j) § 63.148(j)(1) [G]§ 63.151(b) § 63.151(e) § 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
GRPTKEFR1	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR1	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual 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				
GRPTKEFR1	EU	R5112-5	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR1	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) § 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)
GRPTKEFR1	EU	60KA-2	VOC	40 CFR Part 60, Subpart Ka	§ 60.110a(a)	The affected facility is each storage vessel for petroleum liquids that has a storage capacity > 151,416 L (40,000 gal) and for which construction commenced after 5/18/78 and prior to 7/23/84.	§ 60.115a(a) § 60.115a(b)	§ 60.115a(a)	None
GRPTKEFR1	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.646(a) § 63.119(a)(1) § 63.119(c)(1)	Each owner or operator of a Group 1 storage vessel subject to this	§ 63.120(b)(1)(i) § 63.120(b)(1)(iii) § 63.120(b)(1)(iv)	[G]§ 63.120(b)(7) § 63.120(b)(8) § 63.642(e)	§ 63.120(b)(10)(ii) § 63.120(b)(10)(iii) § 63.120(b)(9)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.119(c)(1)(i) § 63.119(c)(1)(ii) § 63.119(c)(1)(iii) [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)	subpart shall comply with the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 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)	§ 63.646(b)(1) § 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5)	§ 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)
GRPTKEFR1	EU	63CC-2	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(9) § 60.112a(a)(1) § 60.112a(a)(1)(i) § 60.112a(a)(1)(i)(A) § 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) § 63.640(n)(9)(i) § 63.640(n)(9)(ii)	Vessels described by paragraph §60.640(n)(6) that are to comply with 40 CFR part 60, subpart Ka, are to comply with only subpart Ka except as provided for in §63.640(n)(9)(i)-(iv).	[G]§ 60.113a(a)(1) § 60.115a(a) § 60.115a(b) § 63.640(n)(9)(i)	§ 60.113a(a)(1)(i)(D) § 60.115a(a)	§ 60.113a(a)(1)(i)(E) § 60.113a(a)(1)(iv) § 63.640(n)(9)(iii) § 63.640(n)(9)(iv)
GRPTKEFR10	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR10	EU	R5112-2	VOC	30 TAC Chapter	§ 115.112	The permit holder shall	The permit holder	The permit holder shall	The permit holder shall

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual 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	The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR10	EU	R5112-5	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR10	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) [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)
GRPTKEFR10	EU	63CC-2	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with petroleum refining	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii) § 63.655(i)(1)(iv)	§ 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g)



## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						process units meeting the criteria in paragraph (a) of this section are part of the affected source.		§ 63.655(i)(5)	§ 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRPTKEFR11	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR11	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR11	EU	R5112-5	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR11	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)	Each owner or operator of a Group 1 storage vessel subject to this subpart shall comply with	§ 63.120(b)(1)(i) § 63.120(b)(1)(iii) § 63.120(b)(1)(iv) § 63.120(b)(10)	[G]§ 63.120(b)(7) § 63.120(b)(8) § 63.642(e) § 63.646(b)(1)	§ 63.120(b)(10)(ii) § 63.120(b)(10)(iii) § 63.120(b)(9) § 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)
					§ 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)	the requirements of §63.119 - §63.121 except as provided in §63.646(b)-(l).	§ 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)	§ 63.655(h)(1) [G]§ 63.655(i)(1) § 63.655(i)(5)	§ 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)
GRPTKEFR11	EU	63CC-2	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)
GRPTKEFR12	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR12	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					Chapter 115, Storage of VOCs				
GRPTKEFR12	EU	R5112-3	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR12	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)
GRPTKEFR12	EU	63CC-2	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)
GRPTKEFR2	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR2	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR2	EU	R5112-5	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR2	EU	60K-1	VOC	40 CFR Part 60, Subpart K	§ 60.110(c) § 60.110(c)(2)	Facilities under §60.110(a) of this section with a capacity, construction or modification date as given in §60.110(c)(1) or §60.110(c)(2) are subject to the requirements of this section.	§ 60.113(a) § 60.113(b)	§ 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)
GRPTKEFR2	EU	60K-2	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
GRPTKEFR3	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR3	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR3	EU	R5112-4	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPTKEFR3	EU	60K-1	VOC	40 CFR Part 60, Subpart K	§ 60.110(c) § 60.110(c)(2)	Facilities under §60.110(a) of this section with a capacity, construction or modification date as given in §60.110(c)(1) or §60.110(c)(2) are subject to the requirements of this section.	§ 60.113(a) § 60.113(b)	§ 60.113(a)	None
GRPTKEFR3	EU	60K-2	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
GRPTKEFR4	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR4	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPTKEFR4	EU	R5112-3	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR4	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)
GRPTKEFR5	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR5	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR5	EU	R5112-3	VOC	30 TAC Chapter	§ 115.112	The permit holder shall	The permit holder	The permit holder shall	The permit holder shall

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual 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	The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR5	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)
GRPTKEFR5	EU	63CC-2	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)
GRPTKEFR6	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation,	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115,	The permit holder shall comply with the applicable monitoring and testing	The permit holder shall comply with the applicable recordkeeping	The permit holder shall comply with the applicable reporting requirements of 30 TAC



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	Storage of VOCs	requirements of 30 TAC Chapter 115, Storage of VOCs	requirements of 30 TAC Chapter 115, Storage of VOCs	Chapter 115, Storage of VOCs
GRPTKEFR6	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR6	EU	R5112-4	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR6	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)	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)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual 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]§ 63.646(f) § 63.646(g)				§ 63.655(h)(2)(i)(C) § 63.655(h)(2)(ii) [G]§ 63.655(h)(6)
GRPTKEFR6	EU	63CC-2	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)
GRPTKEFR7	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR7	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR7	EU	R5112-4	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					Chapter 115, Storage of VOCs				
GRPTKEFR7	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)
GRPTKEFR7	EU	63CC-2	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)
GRPTKEFR9	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPTKEFR9	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR9	EU	R5112-3	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKEFR9	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)
GRPTKEFR9	EU	63CC-2	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2)	All Group 2 storage vessels associated with	§ 63.646(b)(1) § 63.646(b)(2)	§ 63.646(b)(1) § 63.655(g)(7)(ii)	§ 63.655(f) § 63.655(f)(1)(i)(A)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						petroleum refining process units meeting the criteria in paragraph (a) of this section are part of the affected source.		§ 63.655(i)(1)(iv) § 63.655(i)(5)	§ 63.655(g) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRPTKFXD1	EU	R5112-6	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKFXD1	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)
GRPTKFXD3	EU	R5112-6	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKFXD4	EU	R5112-6	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation,	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115,	The permit holder shall comply with the applicable monitoring and testing	The permit holder shall comply with the applicable recordkeeping	The permit holder shall comply with the applicable reporting requirements of 30 TAC

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	Storage of VOCs	requirements of 30 TAC Chapter 115, Storage of VOCs	requirements of 30 TAC Chapter 115, Storage of VOCs	Chapter 115, Storage of VOCs
GRPTKFXD5	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKFXD5	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)
GRPTKFXD6	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKIFR1	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual 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 specification requirements of 30 TAC Chapter 115, Storage of VOCs		TAC Chapter 115, Storage of VOCs	Chapter 115, Storage of VOCs	VOCs
GRPTKIFR1	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKIFR1	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(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)
GRPTKIFR1	EU	63CC-2	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)
GRPTKIFR10	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKIFR10	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
GRPTKIFR10	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(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)
GRPTKIFR2	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of	§ 115.112 The permit holder shall	The permit holder shall comply with the	The permit holder shall comply with the	The permit holder shall comply with the	The permit holder shall comply with the



## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				VOCs	comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	applicable requirements of 30 TAC Chapter 115, Storage of VOCs	applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKIFR2	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKIFR2	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(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)
GRPTKIFR2	EU	63CC-2	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)	§ 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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						of this section are part of the affected source.			§ 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRPTKIFR3	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKIFR3	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
GRPTKIFR3	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(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)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual 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]§ 63.655(h)(6)
GRPTKIFR4	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKIFR4	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKIFR4	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(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)
GRPTKIFR4	EU	63CC-2	112(B)	40 CFR Part 63,	§ 63.640(c)(2)	All Group 2 storage	§ 63.646(b)(1)	§ 63.646(b)(1)	§ 63.655(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			HAPS	Subpart CC		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)(2)	§ 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 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)
GRPTKIFR5	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKIFR5	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKIFR5	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(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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) [G]§ 63.655(h)(6)
GRPTKIFR5	EU	63CC-2	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)
GRPTKIFR6	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKIFR6	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKIFR6	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)	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	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii) § 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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.120(a)(4) § 63.120(a)(7) [G]§ 63.646(f) § 63.646(g)	as provided in §63.646(b)-(l).			§ 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)
GRPTKIFR6	EU	63CC-2	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)
GRPTKIFR7	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKIFR7	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPTKIFR7	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)(i) § 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)
GRPTKIFR7	EU	63CC-2	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)
GRPTKIFR8	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKIFR8	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)	Storage vessels specified in §60.112b(a) and equipped with a fixed	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4)	§ 60.115b § 60.115b(a)(2) § 60.116b(a)	§ 60.113b(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)(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)	roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.116b(b) § 60.116b(c)	§ 60.115b(a)(1) § 60.115b(a)(3)
GRPTKIFR8	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)
GRPTKIFR9	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKIFR9	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)	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)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)



## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)		§ 60.116b(e)(1) § 60.116b(e)(2)(i)		
GRPTKIFR9	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)(v)
GRPTKLUB1	EU	R5112-6	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
GRPTKLUB3	EU	R5112-6	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
J317	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the	The permit holder shall comply with the applicable requirements	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

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	of 30 TAC Chapter 115, Storage of VOCs	and testing requirements of 30 TAC Chapter 115, Storage of VOCs	recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	requirements of 30 TAC Chapter 115, Storage of VOCs
J317	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
J317	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(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)
J317	EU	63CC-2	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	§ 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)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						the affected source.			§ 63.655(h)(6) § 63.655(h)(6)(ii)
J318	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
J318	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
J318	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) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4)
J318	EU	60KB-2	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	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						for which construction/reconstruction/modification began after 7/23/84.	§ 60.116b(e)(2)(i)		
J318	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) § 60.116b(e)(2)(i) § 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)
S339	EU	61FF-1	BENZENE	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) [G]§ 60.113b(a)(3) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4) § 61.357(e) § 61.357(f)
S429	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					VOCs				
S429	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
S429	EU	R5112-3	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
S429	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)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
S429	EU	63CC-2	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)
SS425	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
SS425	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)
SS425	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)	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)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual 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) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii)				
T1F348	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
T1F348	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
T1F348	EU	R5112-4	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
T1F348	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 requirements of §63.119 - §63.121 except	§ 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)	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)
T1F348	EU	63CC-2	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)
T304	EU	60Kb-2	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(d) § 60.116b(f)(2)	§ 60.116b(a) § 60.116b(b)	§ 60.116b(d)
T304	EU	60Kb-3	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)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)



## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1)		
T304	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)
T304	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.133(a)(2)(i) § 63.11 § 63.132(a)(2)(i)(A) § 63.132(a)(2)(i)(B) [G]§ 63.132(f) § 63.133(b)(1)(ii) § 63.133(f) § 63.133(h) § 63.139(b) § 63.139(c)(3) § 63.139(f) § 63.140(a) § 63.140(b) § 63.140(c) § 63.144(a) [G]§ 63.145(j) [G]§ 63.148(d) § 63.148(e)	A fixed roof and a closed-vent system that routes the organic hazardous air pollutants vapors vented from the wastewater tank to a control device.	§ 63.133(f) § 63.133(g) § 63.133(g)(3) § 63.139(d)(3) § 63.139(e) § 63.143(a) § 63.143(e) § 63.143(e)(1) § 63.143(g) [G]§ 63.145(j) § 63.148(b)(1)(ii) § 63.148(b)(2)(iii) § 63.148(b)(3) [G]§ 63.148(c) § 63.148(g) § 63.148(g)(2) § 63.148(h) § 63.148(h)(2)	§ 63.133(h) § 63.145(a)(3) [G]§ 63.145(a)(4) § 63.147(b) § 63.147(b)(1) § 63.147(b)(2) § 63.147(b)(5) § 63.147(b)(6) § 63.147(b)(7) § 63.147(d) § 63.147(d)(1) § 63.148(g)(2) § 63.148(h)(2) § 63.148(i)(1) § 63.148(i)(2) [G]§ 63.148(i)(4) § 63.148(i)(5) § 63.148(i)(6) [G]§ 63.152(a)	§ 63.146(b)(2) § 63.146(b)(5) § 63.146(b)(6) § 63.146(b)(7) [G]§ 63.146(b)(7)(i) § 63.146(c) § 63.146(e) § 63.146(e)(1) § 63.146(g) § 63.148(j) § 63.148(j)(1) [G]§ 63.151(b) § 63.151(e) § 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(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]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
T316	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
T316	EU	R5112-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
T316	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)
T93002	EU	R5112-6	VOC	30 TAC Chapter	§ 115.112	The permit holder shall	The permit holder	The permit holder shall	The permit holder shall

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				115, Storage of VOCs	The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
T93002	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)
TK305	EU	R5112-6	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Storage of VOCs	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Storage of VOCs
V1111	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)
V329	EU	63CC-1	112(B)	40 CFR Part 63,	§ 63.640(c)(2)	All Group 2 storage	§ 63.646(b)(1)	§ 63.646(b)(1)	§ 63.655(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			HAPS	Subpart CC		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)(2)	§ 63.655(g)(7)(ii) § 63.655(i)(1)(iv) § 63.655(i)(5)	§ 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)
X322	EU	61FF-1	BENZENE	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) [G]§ 60.113b(a)(3) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4) § 61.357(e) § 61.357(f)
X322	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.133(a)(1)	A fixed roof shall be operated and maintained except that if the wastewater tank is used for specified purpose, then owner or operator shall comply with requirements of § 63.133(a)(2).	None	None	§ 63.146(b)(2) § 63.146(b)(5) [G]§ 63.151(b) § 63.151(e) § 63.151(e)(1) § 63.151(e)(2) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(c)(1) § 63.152(c)(4)(ii)
X323	EU	61FF-1	BENZENE	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 60.112b(a)(1)(iii)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one	§ 60.113b(a)(1) [G]§ 60.113b(a)(3) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4) § 61.357(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	of the following §61.351(a)(1)-(3):			§ 61.357(f)
X323	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.133(a)(1)	A fixed roof shall be operated and maintained except that if the wastewater tank is used for specified purpose, then owner or operator shall comply with requirements of § 63.133(a)(2).	None	None	§ 63.146(b)(2) § 63.146(b)(5) [G]§ 63.151(b) § 63.151(e) § 63.151(e)(1) § 63.151(e)(2) [G]§ 63.151(f) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(c)(1) § 63.152(c)(4)(ii)
X330	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)
PAINTFE	PRO	R5421-1	VOC	30 TAC Chapter 115, Surface Coating Operations	§ 115.421(a)(9)(A)(ii) § 115.421(a) § 115.421(a)(9)(B) § 115.421(a)(9)(C) § 115.426 § 115.427(a)(6)	Emissions shall not exceed 3.5 lbs/gal (0.42 kg/L) of coating (minus water and exempt solvent) delivered as a low-bake coating or that utilizes air or forced air driers.	§ 115.424(a) § 115.424(b) [G]§ 115.425(1) § 115.425(6) [G]§ 115.426(1)	[G]§ 115.426(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)
PROBWN	PRO	61FF-1	BENZENE	40 CFR Part 61, Subpart FF	§ 61.348(a)(1) § 60.18 § 61.348(a)(1)(i) § 61.348(a)(2) § 61.348(a)(3) § 61.348(a)(4) § 61.348(f) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall design, install, operate and maintain a treatment process that removes or destroys benzene as specified.	§ 60.18(f)(2) § 61.348(e)(1) § 61.348(f) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(a)(2) § 61.354(c) § 61.354(c)(3) [G]§ 61.355(h)	§ 61.354(a)(2) § 61.354(c) § 61.354(c)(3) § 61.356(e) § 61.356(e)(1) § 61.356(e)(2) § 61.356(f) § 61.356(f)(1) § 61.356(h) [G]§ 61.356(i) § 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)(ii) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
GRPBENZSEP	EU	61FF-1	BENZENE	40 CFR Part 61, Subpart FF	§ 61.347(a)(1) § 60.18 § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(B) § 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(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.	§ 60.18(f)(2) § 61.347(a)(1)(i)(A) § 61.347(b) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) § 61.354(e) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i)(D) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
GRPBENZSEP	EU	63CC-1	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.137(a)(1) § 63.11 § 63.132(a)(2)(i)(A) § 63.132(a)(2)(i)(B) [G]§ 63.132(f) § 63.137(b)(1)(ii) § 63.137(d) § 63.137(e)(3) § 63.137(f)	A fixed roof and a closed vent system that routes the organic hazardous air pollutants vapors vented from the oil-water separator to a control device and which meets §63.137(b).	[G]§ 63.137(e)(1) § 63.137(e)(2) § 63.137(e)(3) § 63.139(d)(3) § 63.139(e) § 63.143(a) § 63.143(e) § 63.143(e)(1) § 63.143(g)	§ 63.147(b) § 63.147(b)(1) § 63.147(b)(2) § 63.147(b)(5) § 63.147(b)(7) § 63.147(d) § 63.147(d)(1) § 63.148(g)(2) § 63.148(h)(2)	§ 63.146(b)(2) § 63.146(b)(5) § 63.146(b)(6) § 63.146(b)(7) [G]§ 63.146(b)(7)(i) § 63.146(c) § 63.146(e) § 63.146(e)(1) § 63.148(j)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.139(b) § 63.139(c)(3) § 63.139(f) § 63.140(a) § 63.140(b) § 63.140(c) § 63.144(a) [G]§ 63.145(j) [G]§ 63.148(d) § 63.148(e)		[G]§ 63.145(j) § 63.148(b)(1)(ii) § 63.148(b)(2)(iii) § 63.148(b)(3) [G]§ 63.148(c) § 63.148(g) § 63.148(g)(2) § 63.148(h) § 63.148(h)(2)	§ 63.148(i)(1) § 63.148(i)(2) [G]§ 63.148(i)(4) § 63.148(i)(5) § 63.148(i)(6) [G]§ 63.152(a)	§ 63.148(j)(1) [G]§ 63.151(b) § 63.151(e) § 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
GRPBENZIGF	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
GRPBENZSEP	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)	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	[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)
					§ 115.142(1)(E) § 115.142(1)(G) § 115.142(1)(H) § 115.147(7)(A) [G]§ 115.148 § 60.18(b)		§ 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		
GRPBENZTK	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)(A) § 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
GRPBWNTK1	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



## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPBWNTK2	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
GRPSEPARAT	EU	R5140-1	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.147(2) [G]§ 115.142(4) [G]§ 115.148	An owner or operator may exempt from control requirements of §115.142 one or more affected VOC wastewater streams for which the total annual VOC loading is less than or equal to 10 Mg (11.03 tons).	§ 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(3) § 115.146(4)	[G]§ 115.142(4)
GRPWIFR	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)(A) § 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)	§ 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)
							[G]§ 115.148		
GRPWWTK	EU	R5140-1	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.147(2) [G]§ 115.142(4) [G]§ 115.148	An owner or operator may exempt from control requirements of §115.142 one or more affected VOC wastewater streams for which the total annual VOC loading is less than or equal to 10 Mg (11.03 tons).	§ 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(3) § 115.146(4)	[G]§ 115.142(4)
S339	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
T304	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)	§ 115.146(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		
X322	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)(A) § 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
X323	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
X330	EU	R5140-1	VOC	30 TAC Chapter 115, Industrial Wastewater	§ 115.147(2) [G]§ 115.142(4) [G]§ 115.148	An owner or operator may exempt from control requirements of §115.142 one or more affected VOC wastewater streams for which the total annual	§ 115.145 § 115.145(1) § 115.145(10) [G]§ 115.145(2) [G]§ 115.145(3) § 115.145(4)	§ 115.146(1) § 115.146(3) § 115.146(4)	[G]§ 115.142(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)
						VOC loading is less than or equal to 10 Mg (11.03 tons).	§ 115.145(5) § 115.145(6) § 115.145(7) § 115.145(9) [G]§ 115.148		

**Additional Monitoring Requirements**

**Periodic Monitoring Summary.....420**

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: A1660B	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: AE2340	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: AE2636	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	



## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: AE2650	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: AE348	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: AE349	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: AE388	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: AE389	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: AE700	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: AE768	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: DHTVAC	
Control Device ID No.: H1100	Control Device Type: Process Heater (Design heat input is greater than or equal to 44MW)
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-1
Pollutant: VOC	Main Standard: § 115.121(a)(1)
<b>Monitoring Information</b>	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: Failure to monitor and record during periods of operation.	
Periodic Monitoring Text: Monitor and record the periods of operation of the process heater. All periods that are not recorded shall be considered and reported as a deviation. The records must be readily available for inspection	



## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPMARLOAD	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Loading and Unloading of VOC	SOP Index No.: R5211-1
Pollutant: VOC	Main Standard: § 115.212(a)(6)(A)
<b>Monitoring Information</b>	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to measure and record fugitive emissions from the vapor collection system in accordance with 40 CFR Part 60, Appendix A, Method 21.	
Periodic Monitoring Text: Measure and record fugitive emissions from the vapor collection system in accordance with part 60, appendix A, method 21.	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPMARLOAD	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Loading and Unloading of VOC	SOP Index No.: R5211-1
Pollutant: VOC	Main Standard: § 115.212(a)(6)(A)
<b>Monitoring Information</b>	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Defects, such as cracks, holes, gaps, loose connections, or broken or missing covers or other closure devices, that could result in air emissions.	
Periodic Monitoring Text: Visually inspect all components of the vapor collection system for defects, such as cracks, holes, gaps, loose connections, or broken or missing covers or other closure devices, that could result in air emissions.	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPTKEFR2	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart K	SOP Index No.: 60K-2
Pollutant: VOC	Main Standard: § 60.112(a)(1)
<b>Monitoring Information</b>	
Indicator: External Floating Roof	
Minimum Frequency: annually	
Averaging Period: n/a	
<p>Deviation Limit: If a failure cannot be repaired within 60 days and if the storage tank cannot be emptied within 60 days, the owner or operator may submit written requests for up to two extensions of up to 30 additional days each to the appropriate regional office.</p>	
<p>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. If any monitoring data indicates 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, and the failure cannot be repaired within 60 days and if the storage tank cannot be emptied within 60 days, the owner or operator may submit written requests for up to two extensions of up to 30 additional days each to the appropriate regional office after which it will be considered and reported as a deviation.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPTKEFR3	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart K	SOP Index No.: 60K-2
Pollutant: VOC	Main Standard: § 60.112(a)(1)
<b>Monitoring Information</b>	
Indicator: External Floating Roof	
Minimum Frequency: annually	
Averaging Period: n/a	
<p>Deviation Limit: If a failure cannot be repaired within 60 days and if the storage tank cannot be emptied within 60 days, the owner or operator may submit written requests for up to two extensions of up to 30 additional days each to the appropriate regional office.</p>	
<p>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. If any monitoring data indicates 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, and the failure cannot be repaired within 60 days and if the storage tank cannot be emptied within 60 days, the owner or operator may submit written requests for up to two extensions of up to 30 additional days each to the appropriate regional office after which it will be considered and reported as a deviation.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPTKIFR10	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart K	SOP Index No.: 60K-1
Pollutant: VOC	Main Standard: § 60.112(a)(1)
<b>Monitoring Information</b>	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: n/a	
<p>Deviation Limit: If a failure cannot be repaired within 60 days and if the storage tank cannot be emptied within 60 days, the owner or operator may submit written requests for up to two extensions of up to 30 additional days each to the appropriate regional office.</p>	
<p>Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal 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 internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric, and the failure cannot be repaired within 60 days and if the storage tank cannot be emptied within 60 days, the owner or operator may submit written requests for up to two extensions of up to 30 additional days each to the appropriate regional office after which it will be considered and reported as a deviation.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPTKIFR3	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart K	SOP Index No.: 60K-1
Pollutant: VOC	Main Standard: § 60.112(a)(1)
<b>Monitoring Information</b>	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: n/a	
<p>Deviation Limit: If a failure cannot be repaired within 60 days and if the storage tank cannot be emptied within 60 days, the owner or operator may submit written requests for up to two extensions of up to 30 additional days each to the appropriate regional office.</p>	
<p>Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal 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 internal 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: H1000	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: H1010	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	



## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: H1011	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: H1100	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: H1170	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: H5100	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: H5101	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: H5102	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: H5103	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: H5200	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	



## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: H53NN	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: H5400	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: H5402	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: H5500A	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: H5500B	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: H5500C	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: H5600	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: H613	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-01
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: once per quarter	
Averaging Period: n/a	
Deviation Limit: Visible emissions shall not exceed 30% opacity averaged over a six-minute period.	
<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>However, if visible emissions are present during the observation, the permit holder shall either assume the visible emissions exceed the opacity limitations for the period observed and list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) 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.</p>	



**Permit Shield**

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## Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-DUCT	CG1, CG2	30 TAC Chapter 112, Sulfur Compounds	Unit not a liquid fuel-fired steam generator, furnace or heater.
GRP-DUCT	CG1, CG2	40 CFR Part 60, Subpart D	Steam generating unit greater than 73 MW (250 MMBtu/hr) and constructed after June 19, 1986.
GRP-DUCT	CG1, CG2	40 CFR Part 60, Subpart Da	Units are not an electric utility steam generating unit.
GRP-DUCT	CG1, CG2	40 CFR Part 60, Subpart Dc	Units have a max design heat input capacity greater than 100 MMBtu/hr.
FLARECCU	N/A	40 CFR Part 61, Subpart FF	The flare does not serve as a control device for an affected source under 40 CFR Part 61, Subpart FF.
FLAREEP	N/A	40 CFR Part 60, Subpart QQQ	Group 1 wastewater stream managed in a piece of equipment that is also subject to the provisions of 40 CFR part 60, subpart QQQ is required to comply only with 40 CFR Part 63, Subpart CC.
FLARESOUTH	N/A	40 CFR Part 61, Subpart FF	The flare does not serve as a control device for an affected source under 40 CFR Part 61, Subpart FF.
FLAREWP	N/A	40 CFR Part 60, Subpart QQQ	Streams and waste management units will meet the requirements of 40 CFR 63, Subpart CC, and are not subject to NSPS QQQ.
A1000-FL1	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
A1000-FL1	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed

## 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		
			at the facility.
A1000-FL1	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A1000-FL2	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
A1000-FL2	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A1000-FL2	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A1006-FL1	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
A1006-FL1	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A1006-FL1	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A1006-FL2	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
A1006-FL2	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed

## 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		
			at the facility.
A1006-FL2	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A10823-FL1	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
A10823-FL1	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A10823-FL1	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A10823-FL2	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
A10823-FL2	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A10823-FL2	N/A	40 CFR Part 63, Subpart G	The vent is not part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR Part 63 Subpart F.
A1284-FL	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
A1284-FL	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed

## 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		
			at the facility.
A1284-FL	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A1301-FL	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A1301-FL	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A140-FL	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
A140-FL	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A140-FL	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A1746-FL	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A1746-FL	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.

## Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
A200-FL	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
A200-FL	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A200-FL	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A267-FL	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
A267-FL	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A267-FL	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A285-FL	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
A285-FL	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A285-FL	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.

## Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
A301-FL	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
A301-FL	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A301-FL	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A309-FL	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
A309-FL	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A309-FL	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A330-FL	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
A330-FL	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A330-FL	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.

## Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
A350-FL	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
A350-FL	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A350-FL	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A380-FL	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
A380-FL	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A380-FL	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A422-FL	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A422-FL	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A503-FL	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.



## Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
A503-FL	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A503-FL	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A518-FL1	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
A518-FL1	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A518-FL1	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A518-FL2	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
A518-FL2	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A518-FL2	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A519-FL	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.

## 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		
A519-FL	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A9267-FL	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A9267-FL	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A9268-FL	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A9268-FL	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A9315-FL	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A9315-FL	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
AR300-FL	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the “facility.”
AR300-FL	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is 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		
			subject to 40 CFR 63, Subpart F.
BWN VENT	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
BWN VENT	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
C9150	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
C9150	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
C9150	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
C9151	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
C9151	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
C9151	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
C9152	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the

## Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
C9152	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
C9152	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
C9153	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
C9153	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
C9153	N/A	40 CFR Part 63, Subpart G	The vent is not part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
DEG ACID	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
DEG ACID	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
DEPNP COND	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
DEPNP COND	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic

## 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		
			Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
DHTVAC	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
DHTVAC	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
DHTVAC	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
H332V	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
H332V	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
H332V	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit not subject to 40 CFR 63, Subpart F.
IA88017-FL	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
IA88017-FL	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
IA88017-FL	N/A	40 CFR Part 63, Subpart G	The vent does not emit HAPS.

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
L2COMPVT	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
L2COMPVT	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
L2COMPVT	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
MRCM C4 VENT	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
MRCM C4 VENT	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
MRCM C4 VENT	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
MRCM C4 VENT1	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
MRCM C4 VENT1	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
MRCM C4 VENT1	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.

## Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
MRCM C4 VENT2	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
MRCM C4 VENT2	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
MTBE DEGASSER	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
MTBE DEGASSER	N/A	40 CFR Part 63, Subpart G	Process vent subject to MACT CC.
V-1024	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
V-1024	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
V-1024	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
V-1046	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
V-1046	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
V-1046	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is 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		
			subject to 40 CFR 63, Subpart F.
V-1052	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
V-1052	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
V-1052	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
V1074	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
V1074	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
V1074	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
V1298	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
V1298	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
V1298	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is 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		
			subject to 40 CFR 63, Subpart F.
V1299	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
V1299	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
V1299	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
V31001	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
V31001	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
V31001	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
V31002	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
V31002	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
V31002	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is 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		
			subject to 40 CFR 63, Subpart F.
V31003	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
V31003	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
V31003	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
V31004	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
V31004	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
V31004	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
V54	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR Part 63, Subpart CC.
V54	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
V54	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is 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		
			subject to 40 CFR Part 63, Subpart F.
V5518	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR Part 63, Subpart CC.
V5518	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
V5518	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR Part 63, Subpart F.
V5527	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
V601	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
V601	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
V601	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
V602	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
V602	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.

## Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
V602	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
V9160	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
V9160	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
V9160	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
WW DEGASSER	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
WW DEGASSER	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
FLAREEP	N/A	40 CFR Part 60, Subpart J	Fuel gas combustion device constructed prior to 6/11/73
GRPSRU345	SR3/4STACK, SR5STACK	30 TAC Chapter 117, Commercial	Sulfur recovery units are specifically exempted from 30 TAC Chapter 117.
GRPSRU678	SR6STACK, SR7STACK, SR8STACK	30 TAC Chapter 117, Commercial	Sulfur recovery units are specifically exempted from 30 TAC Chapter 117.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
FLARECOKE	N/A	30 TAC Chapter 117, Commercial	Flares are exempt from the requirements of 30 TAC Chapter 117.
FLARECOKE	N/A	40 CFR Part 63, Subpart A	Unit not subject to any MACT standard.
FLAREGIRB	N/A	30 TAC Chapter 111, Visible Emissions	Flare used for emergency or upset only.
FLAREGIRB	N/A	30 TAC Chapter 117, Commercial	Flares are exempt from the requirements of 30 TAC Chapter 117.
FLARELHT	N/A	30 TAC Chapter 117, Commercial	Flares are exempt from 30 TAC Chapter 117.
FLARELHT	N/A	40 CFR Part 60, Subpart A	Not subject to an NSPS subpart
FLARELHT	N/A	40 CFR Part 63, Subpart A	Not subject to a MACT subpart
FLARENP	N/A	30 TAC Chapter 117, Commercial	Flares are exempt from the requirements of 30 TAC Chapter 117.
FUGCCU	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Plant is not in Gregg, Nueces, or Victoria Counties
FUGCCU	N/A	40 CFR Part 60, Subpart DDD	Facility is not involved in the manufacture of polypropylene, polyethylene, polystyrene or poly (ethylene terephthalate).
FUGCCU	N/A	40 CFR Part 60, Subpart GGG	Refinery is subject to NSPS VV by virtue of being subject to MACT CC, and is therefore not subject to NSPS GGG.
FUGCCU	N/A	40 CFR Part 60, Subpart KKK	Facility is not located at an onshore natural gas

## Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			processing plant as defined in 60.631.
FUGCCU	N/A	40 CFR Part 61, Subpart F	Refinery does not produce any of the products listed in 61.60(a)(1)-(3)
FUGCCU	N/A	40 CFR Part 61, Subpart J	Refinery has no equipment designed to operate in benzene service
FUGCCU	N/A	40 CFR Part 61, Subpart V	Source is not intended to operate in VHAP service.
FUGCCU	N/A	40 CFR Part 63, Subpart H	The fugitive unit does not operate in organic HAP service.
FUGCCU	N/A	40 CFR Part 63, Subpart I	Refinery production is not one of the processes listed in 63.190(b)(1)-(b)(6).
FUGDISP	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Plant is not in Gregg, Nueces, or Victoria Counties
FUGDISP	N/A	40 CFR Part 60, Subpart DDD	Facility is not involved in the manufacture of polypropylene, polyethylene, polystyrene or poly (ethylene terephthalate).
FUGDISP	N/A	40 CFR Part 60, Subpart GGG	Refinery is subject to NSPS VV by virtue of being subject to MACT CC, and is therefore not subject to NSPS GGG.
FUGDISP	N/A	40 CFR Part 60, Subpart KKK	Facility is not located at an onshore natural gas processing plant as defined in 60.631.

## 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		
FUGDISP	N/A	40 CFR Part 61, Subpart F	Refinery does not produce any of the products listed in 61.60(a)(1)-(3)
FUGDISP	N/A	40 CFR Part 61, Subpart J	Refinery has no equipment designed to operate in benzene service
FUGDISP	N/A	40 CFR Part 61, Subpart V	Source is not intended to operate in VHAP service.
FUGDISP	N/A	40 CFR Part 63, Subpart H	The fugitive unit does not operate in organic HAP service.
FUGDISP	N/A	40 CFR Part 63, Subpart I	Refinery production is not one of the processes listed in 63.190(b)(1)-(b)(6).
FUGDU1	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Plant is not in Gregg, Nueces, or Victoria Counties
FUGDU1	N/A	40 CFR Part 60, Subpart DDD	Facility is not involved in the manufacture of polypropylene, polyethylene, polystyrene or poly (ethylene terephthalate).
FUGDU1	N/A	40 CFR Part 60, Subpart GGG	Refinery is subject to NSPS VV by virtue of being subject to MACT CC, and is therefore not subject to NSPS GGG.
FUGDU1	N/A	40 CFR Part 60, Subpart KKK	Facility is not located at an onshore natural gas processing plant as defined in 60.631.
FUGDU1	N/A	40 CFR Part 61, Subpart F	Refinery does not produce any of the products listed in 61.60(a)(1)-(3)

## 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		
FUGDU1	N/A	40 CFR Part 61, Subpart J	Refinery has no equipment designed to operate in benzene service
FUGDU1	N/A	40 CFR Part 61, Subpart V	Source is not intended to operate in VHAP service.
FUGDU1	N/A	40 CFR Part 63, Subpart H	The fugitive unit does not operate in organic HAP service.
FUGDU1	N/A	40 CFR Part 63, Subpart I	Refinery production is not one of the processes listed in 63.190(b)(1)-(b)(6).
FUGDU2	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Plant is not in Gregg, Nueces, or Victoria Counties
FUGDU2	N/A	40 CFR Part 60, Subpart DDD	Facility is not involved in the manufacture of polypropylene, polyethylene, polystyrene or poly (ethylene terephthalate).
FUGDU2	N/A	40 CFR Part 60, Subpart GGG	Refinery is subject to NSPS VV by virtue of being subject to MACT CC, and is therefore not subject to NSPS GGG.
FUGDU2	N/A	40 CFR Part 60, Subpart KKK	Facility is not located at an onshore natural gas processing plant as defined in 60.631.
FUGDU2	N/A	40 CFR Part 61, Subpart F	Refinery does not produce any of the products listed in 61.60(a)(1)-(3)
FUGDU2	N/A	40 CFR Part 61, Subpart J	Refinery has no equipment designed to operate in benzene service



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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
FUGDU2	N/A	40 CFR Part 61, Subpart V	Source is not intended to operate in VHAP service.
FUGDU2	N/A	40 CFR Part 63, Subpart H	The fugitive unit does not operate in organic HAP service.
FUGDU2	N/A	40 CFR Part 63, Subpart I	Refinery production is not one of the processes listed in 63.190(b)(1)-(b)(6).
FUGHDU1	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Plant is not in Gregg, Nueces, or Victoria Counties
FUGHDU1	N/A	40 CFR Part 60, Subpart DDD	Facility is not involved in the manufacture of polypropylene, polyethylene, polystyrene or poly (ethylene terephthalate).
FUGHDU1	N/A	40 CFR Part 60, Subpart GGG	Refinery is subject to NSPS VV by virtue of being subject to MACT CC, and is therefore not subject to NSPS GGG.
FUGHDU1	N/A	40 CFR Part 60, Subpart KKK	Facility is not located at an onshore natural gas processing plant as defined in 60.631.
FUGHDU1	N/A	40 CFR Part 61, Subpart F	Refinery does not produce any of the products listed in 61.60(a)(1)-(3)
FUGHDU1	N/A	40 CFR Part 61, Subpart J	Refinery has no equipment designed to operate in benzene service
FUGHDU1	N/A	40 CFR Part 61, Subpart V	Source is not intended to operate in VHAP service.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
FUGHDU1	N/A	40 CFR Part 63, Subpart H	The fugitive unit does not operate in organic HAP service.
FUGHDU1	N/A	40 CFR Part 63, Subpart I	Refinery production is not one of the processes listed in 63.190(b)(1)-(b)(6).
FUGSGP	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Plant is not in Gregg, Nueces, or Victoria Counties
FUGSGP	N/A	40 CFR Part 60, Subpart DDD	Facility is not involved in the manufacture of polypropylene, polyethylene, polystyrene or poly (ethylene terephthalate).
FUGSGP	N/A	40 CFR Part 60, Subpart GGG	Refinery is subject to NSPS VV by virtue of being subject to MACT CC, and is therefore not subject to NSPS GGG.
FUGSGP	N/A	40 CFR Part 60, Subpart KKK	Facility is not located at an onshore natural gas processing plant as defined in 60.631.
FUGSGP	N/A	40 CFR Part 61, Subpart F	Refinery does not produce any of the products listed in 61.60(a)(1)-(3)
FUGSGP	N/A	40 CFR Part 61, Subpart J	Refinery has no equipment designed to operate in benzene service
FUGSGP	N/A	40 CFR Part 61, Subpart V	Source is not intended to operate in VHAP service.
FUGSGP	N/A	40 CFR Part 63, Subpart H	The fugitive unit does not operate in organic HAP service.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
FUGSGP	N/A	40 CFR Part 63, Subpart I	Refinery production is not one of the processes listed in 63.190(b)(1)-(b)(6).
FUGWBT	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Plant is not in Gregg, Nueces, or Victoria Counties
FUGWBT	N/A	40 CFR Part 60, Subpart DDD	Facility is not involved in the manufacture of polypropylene, polyethylene, polystyrene or poly (ethylene terephthalate).
FUGWBT	N/A	40 CFR Part 60, Subpart GGG	Refinery is subject to NSPS VV by virtue of being subject to MACT CC, and is therefore not subject to NSPS GGG.
FUGWBT	N/A	40 CFR Part 60, Subpart KKK	Facility is not located at an onshore natural gas processing plant as defined in 60.631.
FUGWBT	N/A	40 CFR Part 61, Subpart F	Refinery does not produce any of the products listed in 61.60(a)(1)-(3)
FUGWBT	N/A	40 CFR Part 61, Subpart J	Refinery has no equipment designed to operate in benzene service
FUGWBT	N/A	40 CFR Part 61, Subpart V	Source is not intended to operate in VHAP service.
FUGWBT	N/A	40 CFR Part 63, Subpart H	The fugitive unit does not operate in organic HAP service.
FUGWBT	N/A	40 CFR Part 63, Subpart I	Refinery production is not one of the processes listed in 63.190(b)(1)-(b)(6).

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPMTBEFUG	FUGGR200, FUGMTBE	30 TAC Chapter 115, Fugitives Pet Ref B Counties	MTBE unit is not in Gregg, Nueces, or Victoria Counties
GRPMTBEFUG	FUGGR200, FUGMTBE	40 CFR Part 60, Subpart DDD	MTBE unit is not involved in the manufacture of polypropylene, polyethylene, polystyrene or poly(ethylene terephthalate).
GRPMTBEFUG	FUGGR200, FUGMTBE	40 CFR Part 60, Subpart GGG	MTBE unit is subject to NSPS VV by virtue of being subject to MACT CC, and is therefore not subject to NSPS GGG.
GRPMTBEFUG	FUGGR200, FUGMTBE	40 CFR Part 60, Subpart KKK	MTBE unit is not located at an onshore natural gas processing plant as defined in 60.631.
GRPMTBEFUG	FUGGR200, FUGMTBE	40 CFR Part 60, Subpart VV	MTBE is not a chemical in section 60.489. Thus, the process unit does not meet the definition of SOCOMI unit.
GRPMTBEFUG	FUGGR200, FUGMTBE	40 CFR Part 61, Subpart F	MTBE unit does not produce any of the products listed in 61.60(a)(1)-(3)
GRPMTBEFUG	FUGGR200, FUGMTBE	40 CFR Part 61, Subpart J	MTBE unit has no equipment designed to operate in benzene service
GRPMTBEFUG	FUGGR200, FUGMTBE	40 CFR Part 61, Subpart V	MTBE unit is not intended to operate in VHAP service.
GRPMTBEFUG	FUGGR200, FUGMTBE	40 CFR Part 63, Subpart I	MTBE production is not one of the processes listed in 63.190(b)(1)-(b)(6).
GRPREFUG	FUGAYARD, FUGCGHT,	30 TAC Chapter 115, Fugitives Pet Ref	Plant is not in Gregg, Nueces, or Victoria Counties

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	FUGDOCK, FUGENVN, FEBA100, FUGALKY1, FUGCFH, FUGCOGEN, FUGCOKER, FUGCR3, FUGCR3TF, FUGDHT, FUGGASTR, FUGGFRAC, FUGGOHT, FUGGR, FUGHP1, FUGPLAT2, FUGPOSTFRAC, FUGPSA, FUGSHCU, FUGSR5, FUGSR6/7, FUGSR8, FUGTHCR, FUGGIRBIT, KELLY, FUGLHT2, FUGSR3/4, TCACIDLOAD	B Counties	
GRPREFFUG	FUGAYARD, FUGCGHT, FUGDOCK, FUGENVN, FEBA100, FUGALKY1, FUGCFH, FUGCOGEN, FUGCOKER, FUGCR3, FUGCR3TF, FUGDHT, FUGGASTR, FUGGFRAC, FUGGOHT, FUGGR, FUGHP1, FUGPLAT2, FUGPOSTFRAC, FUGPSA, FUGSHCU, FUGSR5, FUGSR6/7, FUGSR8,	40 CFR Part 60, Subpart DDD	Facility is not involved in the manufacture of polypropylene, polyethylene, polystyrene or poly (ethylene terephthalate).

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	FUGTHCR, FUGGIRBIT, KELLY, FUGLHT2, FUGSR3/4, TCACIDLOAD		
GRPREFFUG	FUGAYARD, FUGCGHT, FUGDOCK, FUGENVN, FEBA100, FUGALKY1, FUGCFH, FUGCOGEN, FUGCOKER, FUGCR3, FUGCR3TF, FUGDHT, FUGGASTR, FUGGFRAC, FUGGOHT, FUGGR, FUGHP1, FUGPLAT2, FUGPOSTFRAC, FUGPSA, FUGSHCU, FUGSR5, FUGSR6/7, FUGSR8, FUGTHCR, FUGGIRBIT, KELLY, FUGLHT2, FUGSR3/4, TCACIDLOAD	40 CFR Part 60, Subpart GGG	Refinery is subject to NSPS VV by virtue of being subject to MACT CC, and is therefore not subject to NSPS GGG.
GRPREFFUG	FUGAYARD, FUGCGHT, FUGDOCK, FUGENVN, FEBA100, FUGALKY1, FUGCFH, FUGCOGEN, FUGCOKER, FUGCR3, FUGCR3TF, FUGDHT, FUGGASTR, FUGGFRAC,	40 CFR Part 60, Subpart KKK	Facility is not located at an onshore natural gas processing plant as defined in 60.631.

## 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		
	FUGGOHT, FUGGR, FUGHP1, FUGPLAT2, FUGPOSTFRAC, FUGPSA, FUGSHCU, FUGSR5, FUGSR6/7, FUGSR8, FUGTHCR, FUGGIRBIT, KELLY, FUGLHT2, FUGSR3/4, TCACIDLOAD		
GRPREFFUG	FUGAYARD, FUGCGHT, FUGDOCK, FUGENVN, FEBA100, FUGALKY1, FUGCFH, FUGCOGEN, FUGCOKER, FUGCR3, FUGCR3TF, FUGDHT, FUGGASTR, FUGGFRAC, FUGGOHT, FUGGR, FUGHP1, FUGPLAT2, FUGPOSTFRAC, FUGPSA, FUGSHCU, FUGSR5, FUGSR6/7, FUGSR8, FUGTHCR, FUGGIRBIT, KELLY, FUGLHT2, FUGSR3/4, TCACIDLOAD	40 CFR Part 61, Subpart F	Refinery does not produce any of the products listed in 61.60(a)(1)-(3)
GRPREFFUG	FUGAYARD, FUGCGHT, FUGDOCK, FUGENVN,	40 CFR Part 61, Subpart J	Refinery has no equipment designed to operate in benzene 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		
	FEBA100, FUGALKY1, FUGCFH, FUGCOGEN, FUGCOKER, FUGCR3, FUGCR3TF, FUGDHT, FUGGASTR, FUGGFRAC, FUGGOHT, FUGGR, FUGHP1, FUGPLAT2, FUGPOSTFRAC, FUGPSA, FUGSHCU, FUGSR5, FUGSR6/7, FUGSR8, FUGTHCR, FUGGIRBIT, KELLY, FUGLHT2, FUGSR3/4, TCACIDLOAD		
GRPREFUG	FUGAYARD, FUGCGHT, FUGDOCK, FUGENVN, FEBA100, FUGALKY1, FUGCFH, FUGCOGEN, FUGCOKER, FUGCR3, FUGCR3TF, FUGDHT, FUGGASTR, FUGGFRAC, FUGGOHT, FUGGR, FUGHP1, FUGPLAT2, FUGPOSTFRAC, FUGPSA, FUGSHCU, FUGSR5, FUGSR6/7, FUGSR8, FUGTHCR, FUGGIRBIT,	40 CFR Part 61, Subpart V	Source is not intended to operate in VHAP service.



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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	KELLY, FUGLHT2, FUGSR3/4, TCACIDLOAD		
GRPREFFUG	FUGAYARD, FUGCGHT, FUGDOCK, FUGENVN, FEBA100, FUGALKY1, FUGCFH, FUGCOGEN, FUGCOKER, FUGCR3, FUGCR3TF, FUGDHT, FUGGASTR, FUGGFRAC, FUGGOHT, FUGGR, FUGHP1, FUGPLAT2, FUGPOSTFRAC, FUGPSA, FUGSHCU, FUGSR5, FUGSR6/7, FUGSR8, FUGTHCR, FUGGIRBIT, KELLY, FUGLHT2, FUGSR3/4, TCACIDLOAD	40 CFR Part 63, Subpart H	The fugitive unit does not operate in organic HAP service.
GRPREFFUG	FUGAYARD, FUGCGHT, FUGDOCK, FUGENVN, FEBA100, FUGALKY1, FUGCFH, FUGCOGEN, FUGCOKER, FUGCR3, FUGCR3TF, FUGDHT, FUGGASTR, FUGGFRAC, FUGGOHT, FUGGR,	40 CFR Part 63, Subpart I	Refinery production is not one of the processes listed in 63.190(b)(1)-(b)(6).

## 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		
	FUGHP1, FUGPLAT2, FUGPOSTFRAC, FUGPSA, FUGSHCU, FUGSR5, FUGSR6/7, FUGSR8, FUGTHCR, FUGGIRBIT, KELLY, FUGLHT2, FUGSR3/4, TCACIDLOAD		
ACIDLOAD	N/A	40 CFR Part 60, Subpart XX	Facility is not a bulk gasoline terminal.
ACIDLOAD	N/A	40 CFR Part 61, Subpart BB	Facility loading racks do not load benzene into tank trucks, railcars, or marine vessels.
ACIDLOAD	N/A	40 CFR Part 63, Subpart CC	Loading rack does not emit or have equipment containing or contacting one or more of the HAPs listed in table 1 of 40 CFR 63 Subpart CC.
ACIDLOAD	N/A	40 CFR Part 63, Subpart G	Refinery has no process units that manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1)(i)-(ii).
ACIDLOAD	N/A	40 CFR Part 63, Subpart R	Facility is not a bulk gasoline terminal or pipeline breakout station.
ACIDLOAD	N/A	40 CFR Part 63, Subpart YY	Unit is not an affected marine vessel loading rack, and is therefore not an affected source.
GRPLUBLOAD	RKLBLEND, RKLDIALA, RKLTC, RKLTC/TT,	40 CFR Part 60, Subpart XX	Facility is not a bulk gasoline terminal

## Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	RKLTCTTU		
GRPLUBLOAD	RKLBLEND, RKLDIALA, RKLTC, RKLTC/TT, RKLTCTTU	40 CFR Part 61, Subpart BB	Facility loading racks do not load benzene into tank trucks, railcars, or marine vessels.
GRPLUBLOAD	RKLBLEND, RKLDIALA, RKLTC, RKLTC/TT, RKLTCTTU	40 CFR Part 63, Subpart CC	Loading rack does not emit or have equipment containing or contacting one or more of the HAPs listed in table 1 of 40 CFR 63 Subpart CC.
GRPLUBLOAD	RKLBLEND, RKLDIALA, RKLTC, RKLTC/TT, RKLTCTTU	40 CFR Part 63, Subpart G	Refinery has no process units that manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1)(i)-(ii).
GRPLUBLOAD	RKLBLEND, RKLDIALA, RKLTC, RKLTC/TT, RKLTCTTU	40 CFR Part 63, Subpart R	Facility is not a bulk gasoline terminal or pipeline breakout station.
GRPLUBLOAD	RKLBLEND, RKLDIALA, RKLTC, RKLTC/TT, RKLTCTTU	40 CFR Part 63, Subpart Y	Unit is not an affected marine vessel loading rack, and is therefore not an affected source.
GRPMARLOAD	BARGE, BENZENE <sub>1</sub> , BENZENE <sub>2</sub> , BENZENE <sub>4</sub> , CRUDE, DOCK <sub>1</sub> , DOCK <sub>2</sub> , DOCK <sub>4</sub>	40 CFR Part 60, Subpart XX	Facility is not a bulk gasoline terminal.
GRPMARLOAD	BARGE, BENZENE <sub>1</sub> , BENZENE <sub>2</sub> , BENZENE <sub>4</sub> ,	40 CFR Part 61, Subpart BB	Facility loading racks do not load benzene into tank trucks, railcars, or marine vessels.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	CRUDE, DOCK1, DOCK2, DOCK4		
GRPMARLOAD	BARGE, BENZENE1, BENZENE2, BENZENE4, CRUDE, DOCK1, DOCK2, DOCK4	40 CFR Part 63, Subpart G	Refinery has no process unit that manufactures as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1)(i)-(ii).
GRPMARLOAD	BARGE, BENZENE1, BENZENE2, BENZENE4, CRUDE, DOCK1, DOCK2, DOCK4	40 CFR Part 63, Subpart R	Facility is not a bulk gasoline terminal or pipeline breakout station.
GTTLR	N/A	40 CFR Part 60, Subpart XX	Facility is not a bulk gasoline terminal.
GTTLR	N/A	40 CFR Part 61, Subpart BB	Facility loading racks do not load benzene into tank trucks, railcars, or marine vessels.
GTTLR	N/A	40 CFR Part 63, Subpart CC	Loading rack does not emit or have equipment containing or contacting one or more of the HAPs listed in table 1 of 40 CFR 63 Subpart CC.
GTTLR	N/A	40 CFR Part 63, Subpart G	Refinery has no process units that manufacture as a primary product one or more of the chemicals listed in paragraphs 63.100(b)(1)(i)-(ii).
GTTLR	N/A	40 CFR Part 63, Subpart R	Facility is not a bulk gasoline terminal or pipeline breakout station.
GTTLR	N/A	40 CFR Part 63, Subpart Y	Unit is not an affected marine vessel loading rack, and

## Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			is therefore not an affected source.
A900-FL3	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
A900-FL3	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A900-FL3	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
A900-FL4	N/A	40 CFR Part 63, Subpart CC	The process vent does not emit one or more of the HAPs listed in Table 1 of 40 CFR 63 Subpart CC.
A900-FL4	N/A	40 CFR Part 63, Subpart DD	No off-site waste and recovery operations performed at the facility.
A900-FL4	N/A	40 CFR Part 63, Subpart G	The vent is not a part of the Synthetic Organic Chemical Manufacturing Process Unit and it is not subject to 40 CFR 63, Subpart F.
GRPBASIN	NAB, SAB	30 TAC Chapter 115, Industrial Wastewater	Water in units does not meet criteria for affected VOC wastewater stream.
GRPBASIN	NAB, SAB	40 CFR Part 60, Subpart QQQ	Separators and facilities routed to separators were constructed prior to 1987
GRPBASIN	NAB, SAB	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPBASIN	NAB, SAB	40 CFR Part 63, Subpart CC	Benzene concentration of wastewater is less than 10 ppmw, and therefore stream is NOT Group 1
GRPBASIN	NAB, SAB	40 CFR Part 63, Subpart DD	Plant does not receive off-site materials and has no waste management or recovery operations as specified in 63.680(a)(2)(i)-(vi).
GRPBASIN	NAB, SAB	40 CFR Part 63, Subpart G	HAP concentration for both table 8 and table 9 compounds does not meet the level for classification as Group 1.
GRPBASIN	NAB, SAB	40 CFR Part 63, Subpart QQ	Refinery is not subject to another subpart that references 40 CFR 63 Subpart QQ.
GRPNET	NDAF, SDAF, TRKLFIL, TRKLSMP	30 TAC Chapter 115, Industrial Wastewater	Water in units does not meet criteria for affected VOC wastewater stream.
GRPNET	NDAF, SDAF, TRKLFIL, TRKLSMP	40 CFR Part 60, Subpart QQQ	Separators and facilities routed to separators were constructed prior to 1987
GRPNET	NDAF, SDAF, TRKLFIL, TRKLSMP	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations
GRPNET	NDAF, SDAF, TRKLFIL, TRKLSMP	40 CFR Part 63, Subpart CC	Benzene concentration of wastewater is less than 10 ppmw, and therefore stream is NOT Group 1
GRPNET	NDAF, SDAF, TRKLFIL, TRKLSMP	40 CFR Part 63, Subpart DD	Plant does not receive off-site materials and has no waste management or recovery operations as specified in 63.680(a)(2)(i)-(vi).

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPNET	NDAF, SDAF, TRKLFIL, TRKLSMP	40 CFR Part 63, Subpart G	HAP concentration for both table 8 and table 9 compounds does not meet the level for classification as Group 1.
GRPNET	NDAF, SDAF, TRKLFIL, TRKLSMP	40 CFR Part 63, Subpart VV	Refinery is not subject to another subpart that references 40 CFR 63 Subpart VV.
GRPPMFUG	COKPMFU1, COKPMFU2, COKPMFU3, COKPMFU4, COKPMFU5, COKPMFU6, COKPMFU7	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Refinery is not located in Gregg, Nueces, or Victoria Counties
GRPPMFUG	COKPMFU1, COKPMFU2, COKPMFU3, COKPMFU4, COKPMFU5, COKPMFU6, COKPMFU7	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	Components handling natural gas and refinery fuel gas as furnace and boiler fuel contact gaseous fluids that are < 10% VOC by weight.
GRPPMFUG	COKPMFU1, COKPMFU2, COKPMFU3, COKPMFU4, COKPMFU5, COKPMFU6, COKPMFU7	40 CFR Part 60, Subpart DDD	Refinery is not involved in the manufacture of polypropylene, polyethylene, polystyrene or poly (ethylene terephthalate).
GRPPMFUG	COKPMFU1, COKPMFU2, COKPMFU3, COKPMFU4, COKPMFU5, COKPMFU6, COKPMFU7	40 CFR Part 60, Subpart GGG	The fugitive unit does not operate in VOC service.
GRPPMFUG	COKPMFU1, COKPMFU2, COKPMFU3, COKPMFU4,	40 CFR Part 60, Subpart KKK	Refinery is not located at an onshore natural gas processing plant as defined in 60.631.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	COKPMFU5, COKPMFU6, COKPMFU7		
GRPPMFUG	COKPMFU1, COKPMFU2, COKPMFU3, COKPMFU4, COKPMFU5, COKPMFU6, COKPMFU7	40 CFR Part 60, Subpart VV	The fugitive unit does not operate in VOC service.
GRPPMFUG	COKPMFU1, COKPMFU2, COKPMFU3, COKPMFU4, COKPMFU5, COKPMFU6, COKPMFU7	40 CFR Part 61, Subpart F	Refinery does not produce any of the products listed in 61.60(a)(1)-(3)
GRPPMFUG	COKPMFU1, COKPMFU2, COKPMFU3, COKPMFU4, COKPMFU5, COKPMFU6, COKPMFU7	40 CFR Part 61, Subpart J	GRPPMFUG unit has no equipment designed to operate in benzene service
GRPPMFUG	COKPMFU1, COKPMFU2, COKPMFU3, COKPMFU4, COKPMFU5, COKPMFU6, COKPMFU7	40 CFR Part 61, Subpart V	GRPPMFUG unit is not intended to operate in VHAP service.
GRPPMFUG	COKPMFU1, COKPMFU2, COKPMFU3, COKPMFU4, COKPMFU5, COKPMFU6, COKPMFU7	40 CFR Part 63, Subpart CC	Fugitive unit does not emit or have equipment containing or contacting one or more of the HAPs listed in table 1 of 40 CFR 63
GRPPMFUG	COKPMFU1, COKPMFU2,	40 CFR Part 63, Subpart H	The fugitive unit does not operate in organic HAP



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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	COKPMFU3, COKPMFU4, COKPMFU5, COKPMFU6, COKPMFU7		service.
GRPPMFUG	COKPMFU1, COKPMFU2, COKPMFU3, COKPMFU4, COKPMFU5, COKPMFU6, COKPMFU7	40 CFR Part 63, Subpart I	GRPPMFUG units are not involved in production of one of the processes listed in 63.190(b)(1)-(b)(6).
PRONET	N/A	40 CFR Part 60, Subpart QQQ	Treatment process and facilities routed to treatment processes were constructed prior to 1987
PRONET	N/A	40 CFR Part 61, Subpart FF	Benzene concentration of wastewater is less than 10 ppmw, and therefore treatment process is NOT subject to control.
PRONET	N/A	40 CFR Part 63, Subpart CC	Benzene concentration of wastewater is less than 10 ppmw, and therefore stream is NOT Group 1
PRONET	N/A	40 CFR Part 63, Subpart VV	Refinery is not subject to another subpart that references 40 CFR 63 Subpart VV.
GRP-FURN	H31001, H31002	30 TAC Chapter 112, Sulfur Compounds	Units not a liquid fuel-fired steam generator, furnace or heater.
GRPHTR2	H1010, H1011, H1170, H5200, H5400	30 TAC Chapter 112, Sulfur Compounds	Units not a liquid fuel-fired steam generator, furnace or heater.
GRPHTR3	H5303, H5304	30 TAC Chapter 112, Sulfur Compounds	Units not a liquid fuel-fired steam generator, furnace or heater.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPHTR4	H5301, H5302	30 TAC Chapter 112, Sulfur Compounds	Units not a liquid fuel-fired steam generator, furnace or heater.
GRPHTR6	H5103, H5600	30 TAC Chapter 112, Sulfur Compounds	Units not a liquid fuel-fired steam generator, furnace or heater.
GRPHTR7	H5100, H5402	30 TAC Chapter 112, Sulfur Compounds	Units not a liquid fuel-fired steam generator, furnace or heater.
H1000	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit not a liquid fuel-fired steam generator, furnace or heater.
H1001	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit not a liquid fuel-fired steam generator, furnace or heater.
H1100	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit not a liquid fuel-fired steam generator, furnace or heater.
H31003	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit not a liquid fuel-fired steam generator, furnace or heater.
H5101	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit not a liquid fuel-fired steam generator, furnace or heater.
H5102	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit not a liquid fuel-fired steam generator, furnace or heater.
H5104	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit not a liquid fuel-fired steam generator, furnace or heater.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
H5105	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit not a liquid fuel-fired steam generator, furnace or heater.
H5305	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit not a liquid fuel-fired steam generator, furnace or heater.
H5350	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit not a liquid fuel-fired steam generator, furnace or heater.
H5403	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit not a liquid fuel-fired steam generator furnace or heater.
H5404	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit not a liquid fuel-fired steam generator, furnace or heater.
H5500	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit not a liquid fuel-fired steam generator, furnace or heater.
H600	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit not a liquid fuel-fired steam generator, furnace or heater.
H600	N/A	40 CFR Part 63, Subpart DDDDD	Heater is an affected source under 40 CFR Part 63 UUU. Therefore, it is not subject to Subpart DDDDD.
H613	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit not a liquid fuel-fired steam generator, furnace or heater.
H63000	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit not a liquid fuel-fired steam generator, furnace or heater.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
H70001	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit not a liquid fuel-fired steam generator, furnace or heater.
H70001	N/A	40 CFR Part 60, Subpart J	Unit does not burn fuel gas.
H70002	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit not a liquid fuel-fired steam generator, furnace or heater.
H9150	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit not a liquid fuel-fired steam generator, furnace or heater.
GRP-TURB	CTURB1, CTURB2	40 CFR Part 60, Subpart J	Units do not burn fuel gas.
F325	N/A	40 CFR Part 60, Subpart K	The unit was constructed before the applicability date.
F325	N/A	40 CFR Part 60, Subpart Ka	The unit was constructed before the applicability date.
F325	N/A	40 CFR Part 60, Subpart Kb	The unit was constructed before the applicability date.
F325	N/A	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
F325	N/A	40 CFR Part 61, Subpart FF	The unit is not subject to Benzene waste operations.
F325	N/A	40 CFR Part 61, Subpart Y	The unit does not store Benzene.
F325	N/A	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
F325	N/A	40 CFR Part 63, Subpart G	The unit is not a Synthetic Organic Chemical Manufacturing Process 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		
F325	N/A	40 CFR Part 63, Subpart OO	The unit is not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
F325	N/A	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
FP200	N/A	40 CFR Part 60, Subpart K	The unit was constructed before the applicability date.
FP200	N/A	40 CFR Part 60, Subpart Ka	The unit was constructed before the applicability date.
FP200	N/A	40 CFR Part 60, Subpart QQQ	The unit is not petroleum refinery wastewater systems.
FP200	N/A	40 CFR Part 61, Subpart FF	The unit is not subject to Benzene waste operations.
FP200	N/A	40 CFR Part 61, Subpart Y	The unit does not store Benzene.
FP200	N/A	40 CFR Part 63, Subpart CC	Does not store a liquid that has one or more of HAPs given in Table 1.
FP200	N/A	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
FP200	N/A	40 CFR Part 63, Subpart G	The unit is not Synthetic Organic Chemical Manufacturing Process units.
FP200	N/A	40 CFR Part 63, Subpart OO	The unit is not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
FP200	N/A	40 CFR Part 63, Subpart R	Facility is not a Bulk Gas Terminal or a Pipeline Breakout Station.
G357	N/A	40 CFR Part 60, Subpart K	The unit was constructed before the applicability date.
G357	N/A	40 CFR Part 60, Subpart Ka	The unit was constructed before the applicability date.
G357	N/A	40 CFR Part 60, Subpart Kb	The unit was constructed before the applicability date.
G357	N/A	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
G357	N/A	40 CFR Part 61, Subpart FF	The unit is not subject to Benzene waste operations.
G357	N/A	40 CFR Part 61, Subpart Y	The unit does not store Benzene.
G357	N/A	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
G357	N/A	40 CFR Part 63, Subpart G	The unit is not a Synthetic Organic Chemical Manufacturing Process unit.
G357	N/A	40 CFR Part 63, Subpart OO	The unit is not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
G357	N/A	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPBENZIGF	T308, T309	40 CFR Part 60, Subpart QQQ	Streams and waste management units will meet the requirements of 40 CFR 63, Subpart CC, and are not subject to NSPS QQQ.

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPBENZIGF	T308, T309	40 CFR Part 61, Subpart Y	The units do not store benzene.
GRPBENZIGF	T308, T309	40 CFR Part 63, Subpart DD	Plant does not receive off-site materials and has no waste management or recovery operations as specified in 63.680(a)(2)(i)-(vi).
GRPBENZIGF	T308, T309	40 CFR Part 63, Subpart G	Units receive only Group 2 streams from any CMPU subject to 40 CFR 63, Subpart G.
GRPBENZIGF	T308, T309	40 CFR Part 63, Subpart OO	Refinery is not subject to another subpart that references 40 CFR 63 Subpart OO.
GRPBENZIGF	T308, T309	40 CFR Part 63, Subpart RR	Refinery is not a bulk gasoline terminal or pipeline breakout station.
GRPBENZTK	X315, X320, X321	40 CFR Part 60, Subpart K	Not storing petroleum liquids.
GRPBENZTK	X315, X320, X321	40 CFR Part 60, Subpart Ka	Not storing petroleum liquids.
GRPBENZTK	X315, X320, X321	40 CFR Part 60, Subpart Kb	Constructed prior to July 23, 1984.
GRPBENZTK	X315, X320, X321	40 CFR Part 60, Subpart QQQ	Streams and waste management units meet the requirements of 40 CFR 63, Subpart CC, and are not subject to NSPS QQQ.
GRPBENZTK	X315, X320, X321	40 CFR Part 61, Subpart Y	Refinery has no storage vessels storing benzene.
GRPBENZTK	X315, X320, X321	40 CFR Part 63, Subpart DD	Plant does not receive off-site materials and has no waste management or recovery operations as specified in 63.680(a)(2)(i)-(vi).

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPBENZTK	X315, X320, X321	40 CFR Part 63, Subpart G	Units receive only Group 2 streams from any CMPU subject to 40 CFR 63, Subpart G.
GRPBENZTK	X315, X320, X321	40 CFR Part 63, Subpart OO	Refinery is not subject to another subpart that references 40 CFR 63 Subpart OO.
GRPBENZTK	X315, X320, X321	40 CFR Part 63, Subpart RR	Refinery is not a bulk gasoline terminal or pipeline breakout station.
GRPBWNTK1	T301, T302	40 CFR Part 60, Subpart QQQ	Streams and waste management units will meet the requirements of 40 CFR 63, Subpart CC, and are not subject to NSPS QQQ.
GRPBWNTK1	T301, T302	40 CFR Part 61, Subpart Y	The units do not store benzene.
GRPBWNTK1	T301, T302	40 CFR Part 63, Subpart DD	Plant does not receive off-site materials and has no waste management or recovery operations as specified in 63.680(a)(2)(i)-(vi).
GRPBWNTK1	T301, T302	40 CFR Part 63, Subpart OO	Refinery is not subject to another subpart that references 40 CFR 63, Subpart OO
GRPBWNTK1	T301, T302	40 CFR Part 63, Subpart R	Refinery is not a bulk gasoline terminal or pipeline breakout station.
GRPBWNTK2	T303, T305	40 CFR Part 60, Subpart QQQ	Streams and waste management units will meet the requirements of 40 CFR 63, Subpart CC, and are not subject to NSPS QQQ.
GRPBWNTK2	T303, T305	40 CFR Part 61, Subpart Y	Refinery is not located at a furnace and foundry coke



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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			by-product recovery plant
GRPBWNTK2	T303, T305	40 CFR Part 63, Subpart DD	Plant does not receive off-site materials and has no waste management or recovery operations as specified in 63.680(a)(2)(i)-(vi).
GRPBWNTK2	T303, T305	40 CFR Part 63, Subpart OO	Refinery is not subject to another subpart that references 40 CFR 63, Subpart OO
GRPBWNTK2	T303, T305	40 CFR Part 63, Subpart R	Refinery is not a bulk gasoline terminal or pipeline breakout station.
GRPTKEFR1	TA331, TA332, TA334	40 CFR Part 60, Subpart K	The units were constructed after May 19, 1978.
GRPTKEFR1	TA331, TA332, TA334	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKEFR1	TA331, TA332, TA334	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKEFR1	TA331, TA332, TA334	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKEFR1	TA331, TA332, TA334	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKEFR1	TA331, TA332, TA334	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKEFR1	TA331, TA332, TA334	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.
GRPTKEFR1	TA331, TA332, TA334	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for 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		
			control of air emissions.
GRPTKEFR1	TA331, TA332, TA334	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKEFR10	TA317, TA320, TA321, TA322, TA324, TA325	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.
GRPTKEFR10	TA317, TA320, TA321, TA322, TA324, TA325	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKEFR10	TA317, TA320, TA321, TA322, TA324, TA325	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKEFR10	TA317, TA320, TA321, TA322, TA324, TA325	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKEFR10	TA317, TA320, TA321, TA322, TA324, TA325	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKEFR10	TA317, TA320, TA321, TA322, TA324, TA325	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKEFR10	TA317, TA320, TA321, TA322, TA324, TA325	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKEFR10	TA317, TA320, TA321, TA322, TA324, TA325	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.
GRPTKEFR10	TA317, TA320, TA321,	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	TA322, TA324, TA325		60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKEFR10	TA317, TA320, TA321, TA322, TA324, TA325	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKEFR11	TA301, TA310, TA318, TA319, TA326, TG362	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.
GRPTKEFR11	TA301, TA310, TA318, TA319, TA326, TG362	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKEFR11	TA301, TA310, TA318, TA319, TA326, TG362	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKEFR11	TA301, TA310, TA318, TA319, TA326, TG362	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKEFR11	TA301, TA310, TA318, TA319, TA326, TG362	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKEFR11	TA301, TA310, TA318, TA319, TA326, TG362	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKEFR11	TA301, TA310, TA318, TA319, TA326, TG362	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKEFR11	TA301, TA310, TA318, TA319, TA326, TG362	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTKEFR11	TA301, TA310, TA318, TA319, TA326, TG362	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKEFR11	TA301, TA310, TA318, TA319, TA326, TG362	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKEFR12	G316, G329, G332, G342, G355, G356, G360, T1F323	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.
GRPTKEFR12	G316, G329, G332, G342, G355, G356, G360, T1F323	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKEFR12	G316, G329, G332, G342, G355, G356, G360, T1F323	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKEFR12	G316, G329, G332, G342, G355, G356, G360, T1F323	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKEFR12	G316, G329, G332, G342, G355, G356, G360, T1F323	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKEFR12	G316, G329, G332, G342, G355, G356, G360, T1F323	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKEFR12	G316, G329, G332, G342, G355, G356, G360, T1F323	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKEFR12	G316, G329, G332, G342, G355, G356, G360, T1F323	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTKEFR12	G316, G329, G332, G342, G355, G356, G360, T1F323	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKEFR12	G316, G329, G332, G342, G355, G356, G360, T1F323	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKEFR2	TA329, TA330	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKEFR2	TA329, TA330	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKEFR2	TA329, TA330	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKEFR2	TA329, TA330	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKEFR2	TA329, TA330	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKEFR2	TA329, TA330	40 CFR Part 63, Subpart CC	Per 63.640(n)(6), Group 2 Storage Vessels subject to 40 CFR Part 60 Subpart K are required to comply with only 40 CFR Part 60 Subpart K
GRPTKEFR2	TA329, TA330	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKEFR2	TA329, TA330	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.
GRPTKEFR2	TA329, TA330	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR

## 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		
			60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKEFR2	TA329, TA330	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKEFR3	G345, G346	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKEFR3	G345, G346	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKEFR3	G345, G346	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKEFR3	G345, G346	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKEFR3	G345, G346	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKEFR3	G345, G346	40 CFR Part 63, Subpart CC	Per 63.640(n)(6), Group 2 Storage Vessels subject to 40 CFR Part 60 Subpart K are required to comply with only 40 CFR Part 60 Subpart K
GRPTKEFR3	G345, G346	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKEFR3	G345, G346	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.
GRPTKEFR3	G345, G346	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the

## Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			control of air emissions.
GRPTKEFR3	G345, G346	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKEFR4	F315, F317	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.
GRPTKEFR4	F315, F317	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKEFR4	F315, F317	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKEFR4	F315, F317	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKEFR4	F315, F317	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKEFR4	F315, F317	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKEFR4	F315, F317	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKEFR4	F315, F317	40 CFR Part 63, Subpart G	The unit is not a Synthetic Organic Chemical Manufacturing Process unit.
GRPTKEFR4	F315, F317	40 CFR Part 63, Subpart OO	The unit is not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKEFR4	F315, F317	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			Breakout Station.
GRPTKEFR5	TA308, TA309, AP6, G309, G317, G323, G326, G327, G328	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.
GRPTKEFR5	TA308, TA309, AP6, G309, G317, G323, G326, G327, G328	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKEFR5	TA308, TA309, AP6, G309, G317, G323, G326, G327, G328	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKEFR5	TA308, TA309, AP6, G309, G317, G323, G326, G327, G328	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKEFR5	TA308, TA309, AP6, G309, G317, G323, G326, G327, G328	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKEFR5	TA308, TA309, AP6, G309, G317, G323, G326, G327, G328	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKEFR5	TA308, TA309, AP6, G309, G317, G323, G326, G327, G328	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.



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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTKEFR5	TA308, TA309, AP6, G309, G317, G323, G326, G327, G328	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.
GRPTKEFR5	TA308, TA309, AP6, G309, G317, G323, G326, G327, G328	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKEFR5	TA308, TA309, AP6, G309, G317, G323, G326, G327, G328	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKEFR6	F316, G308, G311, G313, G315, G361	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.
GRPTKEFR6	F316, G308, G311, G313, G315, G361	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKEFR6	F316, G308, G311, G313, G315, G361	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKEFR6	F316, G308, G311, G313, G315, G361	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKEFR6	F316, G308, G311, G313, G315, G361	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKEFR6	F316, G308, G311, G313, G315, G361	40 CFR Part 61, Subpart Y	The units do not store Benzene.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTKEFR6	F316, G308, G311, G313, G315, G361	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKEFR6	F316, G308, G311, G313, G315, G361	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.
GRPTKEFR6	F316, G308, G311, G313, G315, G361	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKEFR6	F316, G308, G311, G313, G315, G361	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKEFR7	F314, F326, G358, G359, T1F324	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.
GRPTKEFR7	F314, F326, G358, G359, T1F324	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKEFR7	F314, F326, G358, G359, T1F324	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKEFR7	F314, F326, G358, G359, T1F324	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKEFR7	F314, F326, G358, G359, T1F324	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKEFR7	F314, F326, G358, G359, T1F324	40 CFR Part 61, Subpart Y	The units do not store Benzene.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTKEFR7	F314, F326, G358, G359, T1F324	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKEFR7	F314, F326, G358, G359, T1F324	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.
GRPTKEFR7	F314, F326, G358, G359, T1F324	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKEFR7	F314, F326, G358, G359, T1F324	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKEFR9	TA305, TA306, TA307	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.
GRPTKEFR9	TA305, TA306, TA307	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKEFR9	TA305, TA306, TA307	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKEFR9	TA305, TA306, TA307	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKEFR9	TA305, TA306, TA307	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKEFR9	TA305, TA306, TA307	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKEFR9	TA305, TA306, TA307	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTKEFR9	TA305, TA306, TA307	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.
GRPTKEFR9	TA305, TA306, TA307	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKEFR9	TA305, TA306, TA307	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKFXD1	G322, G347, G348, J304, J315, J316, J322, J323, J324, J336, J337, J338, K303, S305	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.
GRPTKFXD1	G322, G347, G348, J304, J315, J316, J322, J323, J324, J336, J337, J338, K303, S305	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date
GRPTKFXD1	G322, G347, G348, J304, J315, J316, J322, J323, J324, J336, J337, J338, K303, S305	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date
GRPTKFXD1	G322, G347, G348, J304, J315, J316, J322, J323, J324, J336, J337, J338, K303, S305	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTKFXD1	G322, G347, G348, J304, J315, J316, J322, J323, J324, J336, J337, J338, K303, S305	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations
GRPTKFXD1	G322, G347, G348, J304, J315, J316, J322, J323, J324, J336, J337, J338, K303, S305	40 CFR Part 61, Subpart Y	The units do not store Benzene
GRPTKFXD1	G322, G347, G348, J304, J315, J316, J322, J323, J324, J336, J337, J338, K303, S305	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation
GRPTKFXD1	G322, G347, G348, J304, J315, J316, J322, J323, J324, J336, J337, J338, K303, S305	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process
GRPTKFXD1	G322, G347, G348, J304, J315, J316, J322, J323, J324, J336, J337, J338, K303, S305	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions
GRPTKFXD1	G322, G347, G348, J304, J315, J316, J322, J323, J324, J336, J337, J338, K303, S305	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station

## 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		
GRPTKFXD3	J301, J303, J305	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.
GRPTKFXD3	J301, J303, J305	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKFXD3	J301, J303, J305	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKFXD3	J301, J303, J305	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKFXD3	J301, J303, J305	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKFXD3	J301, J303, J305	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKFXD3	J301, J303, J305	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.
GRPTKFXD3	J301, J303, J305	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKFXD3	J301, J303, J305	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKFXD4	AP1, AP16, AP17, AP2, AP4, D363, J302, J306, J308, J309, J325, J326, J327, J328, J331, J332, J348, J349, K301, K302, K310,	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.

## 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		
	K311, M301, M302, S402		
GRPTKFXD4	AP1, AP16, AP17, AP2, AP4, D363, J302, J306, J308, J309, J325, J326, J327, J328, J331, J332, J348, J349, K301, K302, K310, K311, M301, M302, S402	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKFXD4	AP1, AP16, AP17, AP2, AP4, D363, J302, J306, J308, J309, J325, J326, J327, J328, J331, J332, J348, J349, K301, K302, K310, K311, M301, M302, S402	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKFXD4	AP1, AP16, AP17, AP2, AP4, D363, J302, J306, J308, J309, J325, J326, J327, J328, J331, J332, J348, J349, K301, K302, K310, K311, M301, M302, S402	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKFXD4	AP1, AP16, AP17, AP2, AP4, D363, J302, J306, J308, J309, J325, J326, J327, J328, J331, J332, J348, J349, K301, K302, K310,	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.

## 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		
	K311, M301, M302, S402		
GRPTKFXD4	AP1, AP16, AP17, AP2, AP4, D363, J302, J306, J308, J309, J325, J326, J327, J328, J331, J332, J348, J349, K301, K302, K310, K311, M301, M302, S402	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKFXD4	AP1, AP16, AP17, AP2, AP4, D363, J302, J306, J308, J309, J325, J326, J327, J328, J331, J332, J348, J349, K301, K302, K310, K311, M301, M302, S402	40 CFR Part 63, Subpart CC	Does not store a liquid that has one or more of HAPs given in Table 1.
GRPTKFXD4	AP1, AP16, AP17, AP2, AP4, D363, J302, J306, J308, J309, J325, J326, J327, J328, J331, J332, J348, J349, K301, K302, K310, K311, M301, M302, S402	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKFXD4	AP1, AP16, AP17, AP2, AP4, D363, J302, J306, J308, J309, J325, J326, J327, J328, J331, J332, J348, J349, K301, K302, K310,	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process 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		
	K311, M301, M302, S402		
GRPTKFXD4	AP1, AP16, AP17, AP2, AP4, D363, J302, J306, J308, J309, J325, J326, J327, J328, J331, J332, J348, J349, K301, K302, K310, K311, M301, M302, S402	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKFXD4	AP1, AP16, AP17, AP2, AP4, D363, J302, J306, J308, J309, J325, J326, J327, J328, J331, J332, J348, J349, K301, K302, K310, K311, M301, M302, S402	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKFXD5	S306, SS375, T1211	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.
GRPTKFXD5	S306, SS375, T1211	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date
GRPTKFXD5	S306, SS375, T1211	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date
GRPTKFXD5	S306, SS375, T1211	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKFXD5	S306, SS375, T1211	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations
GRPTKFXD5	S306, SS375, T1211	40 CFR Part 61, Subpart Y	The units do not store Benzene

## 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		
GRPTKFXD5	S306, SS375, T1211	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation
GRPTKFXD5	S306, SS375, T1211	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process
GRPTKFXD5	S306, SS375, T1211	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions
GRPTKFXD5	S306, SS375, T1211	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station
GRPTKFXD6	S312, S318, SS308, SS343, SS364, SS388, T1710, T93402	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.
GRPTKFXD6	S312, S318, SS308, SS343, SS364, SS388, T1710, T93402	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKFXD6	S312, S318, SS308, SS343, SS364, SS388, T1710, T93402	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKFXD6	S312, S318, SS308, SS343, SS364, SS388, T1710, T93402	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKFXD6	S312, S318, SS308, SS343,	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	SS364, SS388, T1710, T93402		
GRPTKFXD6	S312, S318, SS308, SS343, SS364, SS388, T1710, T93402	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKFXD6	S312, S318, SS308, SS343, SS364, SS388, T1710, T93402	40 CFR Part 63, Subpart CC	Does not store a liquid that has one or more of HAPs given in Table 1.
GRPTKFXD6	S312, S318, SS308, SS343, SS364, SS388, T1710, T93402	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKFXD6	S312, S318, SS308, SS343, SS364, SS388, T1710, T93402	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.
GRPTKFXD6	S312, S318, SS308, SS343, SS364, SS388, T1710, T93402	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKFXD6	S312, S318, SS308, SS343, SS364, SS388, T1710, T93402	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKIFR1	AP8, T1F329, T1F330	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTKIFR1	AP8, T1F329, T1F330	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKIFR1	AP8, T1F329, T1F330	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKIFR1	AP8, T1F329, T1F330	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKIFR1	AP8, T1F329, T1F330	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKIFR1	AP8, T1F329, T1F330	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKIFR1	AP8, T1F329, T1F330	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKIFR1	AP8, T1F329, T1F330	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.
GRPTKIFR1	AP8, T1F329, T1F330	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKIFR1	AP8, T1F329, T1F330	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKIFR10	SS377, SS378	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKIFR10	SS377, SS378	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.

## Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTKIFR10	SS377, SS378	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKIFR10	SS377, SS378	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKIFR10	SS377, SS378	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKIFR10	SS377, SS378	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKIFR10	SS377, SS378	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.
GRPTKIFR10	SS377, SS378	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKIFR10	SS377, SS378	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKIFR2	TA312, TA313, TA315, TA316, TG324	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.
GRPTKIFR2	TA312, TA313, TA315, TA316, TG324	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKIFR2	TA312, TA313, TA315, TA316, TG324	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKIFR2	TA312, TA313, TA315, TA316, TG324	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.

## 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		
GRPTKIFR2	TA312, TA313, TA315, TA316, TG324	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKIFR2	TA312, TA313, TA315, TA316, TG324	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKIFR2	TA312, TA313, TA315, TA316, TG324	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKIFR2	TA312, TA313, TA315, TA316, TG324	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.
GRPTKIFR2	TA312, TA313, TA315, TA316, TG324	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKIFR2	TA312, TA313, TA315, TA316, TG324	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKIFR3	SS376, SS379	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKIFR3	SS376, SS379	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKIFR3	SS376, SS379	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKIFR3	SS376, SS379	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKIFR3	SS376, SS379	40 CFR Part 61, Subpart Y	The units do not store Benzene.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTKIFR3	SS376, SS379	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKIFR3	SS376, SS379	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.
GRPTKIFR3	SS376, SS379	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKIFR3	SS376, SS379	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKIFR4	TJ333, TJ334, TJ335	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.
GRPTKIFR4	TJ333, TJ334, TJ335	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKIFR4	TJ333, TJ334, TJ335	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKIFR4	TJ333, TJ334, TJ335	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKIFR4	TJ333, TJ334, TJ335	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKIFR4	TJ333, TJ334, TJ335	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKIFR4	TJ333, TJ334, TJ335	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTKIFR4	TJ333, TJ334, TJ335	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.
GRPTKIFR4	TJ333, TJ334, TJ335	40 CFR Part 63, Subpart OO	The unit is units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKIFR4	TJ333, TJ334, TJ335	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKIFR5	G352, K304	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.
GRPTKIFR5	G352, K304	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKIFR5	G352, K304	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKIFR5	G352, K304	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKIFR5	G352, K304	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKIFR5	G352, K304	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKIFR5	G352, K304	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKIFR5	G352, K304	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.



## Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTKIFR5	G352, K304	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKIFR5	G352, K304	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKIFR6	AP5, AP7, G310, G320	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.
GRPTKIFR6	AP5, AP7, G310, G320	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKIFR6	AP5, AP7, G310, G320	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKIFR6	AP5, AP7, G310, G320	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKIFR6	AP5, AP7, G310, G320	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKIFR6	AP5, AP7, G310, G320	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKIFR6	AP5, AP7, G310, G320	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKIFR6	AP5, AP7, G310, G320	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.
GRPTKIFR6	AP5, AP7, G310, G320	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			control of air emissions.
GRPTKIFR6	AP5, AP7, G310, G320	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKIFR7	G314, G319, J312	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.
GRPTKIFR7	G314, G319, J312	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKIFR7	G314, G319, J312	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKIFR7	G314, G319, J312	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKIFR7	G314, G319, J312	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKIFR7	G314, G319, J312	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKIFR7	G314, G319, J312	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKIFR7	G314, G319, J312	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.
GRPTKIFR7	G314, G319, J312	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKIFR7	G314, G319, J312	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			Breakout Station.
GRPTKIFR8	F366, F367	40 CFR Part 60, Subpart K	The units were constructed after May 19, 1978
GRPTKIFR8	F366, F367	40 CFR Part 60, Subpart Ka	The units were constructed after July 23, 1984
GRPTKIFR8	F366, F367	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKIFR8	F366, F367	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKIFR8	F366, F367	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKIFR8	F366, F367	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKIFR8	F366, F367	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKIFR8	F366, F367	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKIFR9	F364, F365	40 CFR Part 60, Subpart K	The units were constructed after May 19, 1978
GRPTKIFR9	F364, F365	40 CFR Part 60, Subpart Ka	The units were constructed after July 23, 1984
GRPTKIFR9	F364, F365	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
GRPTKIFR9	F364, F365	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKIFR9	F364, F365	40 CFR Part 61, Subpart Y	The units do not store Benzene.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTKIFR9	F364, F365	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKIFR9	F364, F365	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKIFR9	F364, F365	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKLUB1	DW103, DW104, FP182, FP190, J311	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.
GRPTKLUB1	DW103, DW104, FP182, FP190, J311	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKLUB1	DW103, DW104, FP182, FP190, J311	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKLUB1	DW103, DW104, FP182, FP190, J311	40 CFR Part 60, Subpart QQQ	The units are not a part of petroleum refinery wastewater system.
GRPTKLUB1	DW103, DW104, FP182, FP190, J311	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKLUB1	DW103, DW104, FP182, FP190, J311	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKLUB1	DW103, DW104, FP182, FP190, J311	40 CFR Part 63, Subpart CC	Does not store a liquid that has one or more of HAPs given in Table 1.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTKLUB1	DW103, DW104, FP182, FP190, J311	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKLUB1	DW103, DW104, FP182, FP190, J311	40 CFR Part 63, Subpart G	The units are not a Synthetic Organic Chemical Manufacturing Process unit.
GRPTKLUB1	DW103, DW104, FP182, FP190, J311	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKLUB1	DW103, DW104, FP182, FP190, J311	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
GRPTKLUB3	FP194, FP195, VA03, VA04	40 CFR Part 60, Subpart K	The units were constructed before the applicability date.
GRPTKLUB3	FP194, FP195, VA03, VA04	40 CFR Part 60, Subpart Ka	The units were constructed before the applicability date.
GRPTKLUB3	FP194, FP195, VA03, VA04	40 CFR Part 60, Subpart Kb	The units were constructed before the applicability date.
GRPTKLUB3	FP194, FP195, VA03, VA04	40 CFR Part 60, Subpart QQQ	The units are not petroleum refinery wastewater systems.
GRPTKLUB3	FP194, FP195, VA03, VA04	40 CFR Part 61, Subpart FF	The units are not subject to Benzene waste operations.
GRPTKLUB3	FP194, FP195, VA03, VA04	40 CFR Part 61, Subpart Y	The units do not store Benzene.
GRPTKLUB3	FP194, FP195, VA03, VA04	40 CFR Part 63, Subpart CC	Does not store a liquid that has one or more of HAPs

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			given in Table 1.
GRPTKLUB3	FP194, FP195, VA03, VA04	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
GRPTKLUB3	FP194, FP195, VA03, VA04	40 CFR Part 63, Subpart G	The units are not Synthetic Organic Chemical Manufacturing Process units.
GRPTKLUB3	FP194, FP195, VA03, VA04	40 CFR Part 63, Subpart OO	The units are not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
GRPTKLUB3	FP194, FP195, VA03, VA04	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
J317	N/A	40 CFR Part 60, Subpart K	The unit was constructed before the applicability date.
J317	N/A	40 CFR Part 60, Subpart Ka	The unit was constructed before the applicability date.
J317	N/A	40 CFR Part 60, Subpart Kb	The unit was constructed before the applicability date.
J317	N/A	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
J317	N/A	40 CFR Part 61, Subpart FF	The unit is not subject to Benzene waste operations.
J317	N/A	40 CFR Part 61, Subpart Y	The unit does not store Benzene.
J317	N/A	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
J317	N/A	40 CFR Part 63, Subpart G	The unit is not a Synthetic Organic Chemical

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			Manufacturing Process unit.
J317	N/A	40 CFR Part 63, Subpart OO	The unit is not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
J317	N/A	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
J318	N/A	40 CFR Part 60, Subpart K	The unit was constructed before the applicability date.
J318	N/A	40 CFR Part 60, Subpart Ka	The unit was constructed before the applicability date.
J318	N/A	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
J318	N/A	40 CFR Part 61, Subpart FF	The unit is not subject to Benzene waste operations.
J318	N/A	40 CFR Part 61, Subpart Y	The unit does not store Benzene.
J318	N/A	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
J318	N/A	40 CFR Part 63, Subpart G	The unit is not a Synthetic Organic Chemical Manufacturing Process unit.
J318	N/A	40 CFR Part 63, Subpart OO	The unit is not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
J318	N/A	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
S339	N/A	40 CFR Part 60, Subpart K	Not storing petroleum liquids.
S339	N/A	40 CFR Part 60, Subpart Ka	Not storing petroleum liquids.
S339	N/A	40 CFR Part 60, Subpart Kb	Constructed prior to July 23, 1984.
S339	N/A	40 CFR Part 60, Subpart QQQ	Streams and waste management units will meet the requirements of 40 CFR 63, Subpart CC, and are not subject to NSPS QQQ.
S339	N/A	40 CFR Part 61, Subpart Y	The unit does not store benzene.
S339	N/A	40 CFR Part 63, Subpart DD	Plant does not receive off-site materials and has no waste management or recovery operations as specified in 63.680(a)(2)(i)-(vi).
S339	N/A	40 CFR Part 63, Subpart OO	Refinery is not subject to another subpart that references 40 CFR 63 Subpart OO.
S339	N/A	40 CFR Part 63, Subpart RR	Refinery is not a bulk gasoline terminal or pipeline breakout station.
S429	N/A	40 CFR Part 60, Subpart K	The unit was constructed before the applicability date.
S429	N/A	40 CFR Part 60, Subpart Ka	The unit was constructed before the applicability date.
S429	N/A	40 CFR Part 60, Subpart Kb	The unit was constructed before the applicability date.
S429	N/A	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
S429	N/A	40 CFR Part 61, Subpart FF	The unit is not subject to Benzene waste operations.



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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
S429	N/A	40 CFR Part 61, Subpart Y	The unit does not store Benzene.
S429	N/A	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
S429	N/A	40 CFR Part 63, Subpart G	The unit is not a Synthetic Organic Chemical Manufacturing Process unit.
S429	N/A	40 CFR Part 63, Subpart OO	The unit is not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
S429	N/A	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
SS425	N/A	40 CFR Part 60, Subpart K	The unit was constructed after May 19, 1978
SS425	N/A	40 CFR Part 60, Subpart Ka	The unit was constructed after July 23, 1984
SS425	N/A	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
SS425	N/A	40 CFR Part 61, Subpart FF	The unit is not subject to Benzene waste operations.
SS425	N/A	40 CFR Part 61, Subpart Y	The unit does not store Benzene.
SS425	N/A	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
SS425	N/A	40 CFR Part 63, Subpart OO	The unit is not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
SS425	N/A	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
T1F348	N/A	40 CFR Part 60, Subpart K	The unit was constructed before the applicability date.
T1F348	N/A	40 CFR Part 60, Subpart Ka	The unit was constructed before the applicability date.
T1F348	N/A	40 CFR Part 60, Subpart Kb	The unit was constructed before the applicability date.
T1F348	N/A	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
T1F348	N/A	40 CFR Part 61, Subpart FF	The unit is not subject to Benzene waste operations.
T1F348	N/A	40 CFR Part 61, Subpart Y	The unit does not store Benzene.
T1F348	N/A	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
T1F348	N/A	40 CFR Part 63, Subpart G	The unit is not a Synthetic Organic Chemical Manufacturing Process unit.
T1F348	N/A	40 CFR Part 63, Subpart OO	The unit is not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.
T1F348	N/A	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
T304	N/A	40 CFR Part 60, Subpart QQQ	Streams and waste management units will meet the requirements of 40 CFR 63, Subpart CC, and are not subject to NSPS QQQ.

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T304	N/A	40 CFR Part 61, Subpart Y	The unit does not store benzene.
T304	N/A	40 CFR Part 63, Subpart DD	Plant does not receive off-site materials and has no waste management or recovery operations as specified in 63.680(a)(2)(i)-(vi).
T304	N/A	40 CFR Part 63, Subpart G	Treatment facility receives only Group 2 streams from any CMPU subject to 40 CFR 63, Subpart G
T304	N/A	40 CFR Part 63, Subpart OO	Refinery is not subject to another subpart that references 40 CFR 63, Subpart OO
T304	N/A	40 CFR Part 63, Subpart R	Refinery is not a bulk gasoline terminal or pipeline breakout station.
T316	N/A	40 CFR Part 60, Subpart K	The unit was constructed before the applicability date
T316	N/A	40 CFR Part 60, Subpart Ka	The unit was constructed before the applicability date
T316	N/A	40 CFR Part 60, Subpart Kb	The unit was constructed before the applicability date
T316	N/A	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
T316	N/A	40 CFR Part 61, Subpart FF	The unit is not subject to Benzene waste operations
T316	N/A	40 CFR Part 61, Subpart Y	The unit does not store Benzene
T316	N/A	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation
T316	N/A	40 CFR Part 63, Subpart G	The unit is not a Synthetic Organic Chemical

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			Manufacturing Process
T316	N/A	40 CFR Part 63, Subpart OO	The unit is not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions
T316	N/A	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station
T93002	N/A	40 CFR Part 60, Subpart K	The unit was constructed after May 19, 1978
T93002	N/A	40 CFR Part 60, Subpart Ka	The unit was constructed after July 23, 1984
T93002	N/A	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system.
T93002	N/A	40 CFR Part 61, Subpart FF	The unit was not subject to Benzene waste operations.
T93002	N/A	40 CFR Part 61, Subpart Y	The unit does not store Benzene.
T93002	N/A	40 CFR Part 63, Subpart CC	This tank is required to comply with provisions of 40 CFR 60 Subpart Kb as per 63.480(n)(1).
T93002	N/A	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation.
T93002	N/A	40 CFR Part 63, Subpart G	The unit is not a Synthetic Organic Chemical Manufacturing Process unit.
T93002	N/A	40 CFR Part 63, Subpart OO	The unit is not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions.

## 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		
T93002	N/A	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station.
TK305	N/A	40 CFR Part 60, Subpart K	The tank was constructed, reconstructed, or modified prior to June 11, 1973.
TK305	N/A	40 CFR Part 60, Subpart Ka	The tank was constructed, reconstructed, or modified prior to May 18, 1978.
TK305	N/A	40 CFR Part 60, Subpart Kb	The tank was constructed, reconstructed, or modified prior to July 23, 1984.
TK305	N/A	40 CFR Part 60, Subpart QQQ	The tank is not part of refinery wastewater system.
TK305	N/A	40 CFR Part 61, Subpart FF	The tank is not subject to benzene waste operations.
TK305	N/A	40 CFR Part 61, Subpart Y	The tank does not store benzene.
TK305	N/A	40 CFR Part 63, Subpart DD	The tank is not part of an off-site waste recovery operation.
TK305	N/A	40 CFR Part 63, Subpart G	The tank is not part of a synthetic organic chemical manufacturing process.
TK305	N/A	40 CFR Part 63, Subpart OO	The tank is not subject to another subpart of 40 CFR Parts 60, 61, or 63 that references this subpart for the control of air emissions.
TK305	N/A	40 CFR Part 63, Subpart R	The tank is not located at a bulk gasoline terminal pipeline breakout station.

## 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		
V1111	N/A	40 CFR Part 60, Subpart K	The unit was constructed before the applicability date
V1111	N/A	40 CFR Part 60, Subpart Ka	The unit was constructed before the applicability date
V1111	N/A	40 CFR Part 60, Subpart Kb	The unit was constructed before the applicability date
V1111	N/A	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system
V1111	N/A	40 CFR Part 61, Subpart FF	The unit is not subject to Benzene waste operations.
V1111	N/A	40 CFR Part 61, Subpart Y	The unit does not store Benzene
V1111	N/A	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation
V1111	N/A	40 CFR Part 63, Subpart G	The unit is not a Synthetic Organic Chemical Manufacturing Process
V1111	N/A	40 CFR Part 63, Subpart OO	The unit is not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions
V1111	N/A	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station
V329	N/A	40 CFR Part 60, Subpart K	The unit was constructed before the applicability date
V329	N/A	40 CFR Part 60, Subpart Ka	The unit was constructed before the applicability date
V329	N/A	40 CFR Part 60, Subpart Kb	The unit was constructed before the applicability date

## 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		
V329	N/A	40 CFR Part 60, Subpart QQQ	This is not a petroleum refinery wastewater system
V329	N/A	40 CFR Part 61, Subpart FF	The unit was not subject to Benzene waste operations.
V329	N/A	40 CFR Part 63, Subpart DD	The facility is not an Off-site Waste and Recovery Operation
V329	N/A	40 CFR Part 63, Subpart G	The unit is not a Synthetic Organic Chemical Manufacturing Process
V329	N/A	40 CFR Part 63, Subpart OO	The unit is not subject to another subpart of 40 CFR 60, 61, or 63 which references this subpart for the control of air emissions
V329	N/A	40 CFR Part 63, Subpart R	Facility is not a Bulk Gasoline Terminal or a Pipeline Breakout Station
V329	N/A	40 CFR Part 63, Subpart YY	The unit does not store Benzene
X322	N/A	40 CFR Part 60, Subpart K	Not storing petroleum liquids.
X322	N/A	40 CFR Part 60, Subpart Ka	Not storing petroleum liquids.
X322	N/A	40 CFR Part 60, Subpart Kb	Constructed prior to July 23, 1984.
X322	N/A	40 CFR Part 60, Subpart QQQ	Streams and waste management units will meet the requirements of 40 CFR 63, Subpart CC, and are not subject to NSPS QQQ.
X322	N/A	40 CFR Part 61, Subpart Y	Refinery has no storage vessels storing benzene.

## 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		
X322	N/A	40 CFR Part 63, Subpart DD	Plant does not receive off-site materials and has no waste management or recovery operations as specified in 63.680(a)(2)(i)-(vi).
X322	N/A	40 CFR Part 63, Subpart OO	Refinery is not subject to another subpart that references 40 CFR 63 Subpart OO.
X322	N/A	40 CFR Part 63, Subpart R	Refinery is not a bulk gasoline terminal or pipeline breakout station.
X323	N/A	40 CFR Part 60, Subpart K	Not storing petroleum liquids.
X323	N/A	40 CFR Part 60, Subpart Ka	Not storing petroleum liquids.
X323	N/A	40 CFR Part 60, Subpart Kb	Constructed prior to July 23, 1984.
X323	N/A	40 CFR Part 60, Subpart QQQ	Streams and waste management units will meet the requirements of 40 CFR 63, Subpart CC, and are not subject to NSPS QQQ.
X323	N/A	40 CFR Part 61, Subpart Y	Refinery has no storage vessels storing benzene.
X323	N/A	40 CFR Part 63, Subpart DD	Plant does not receive off-site materials and has no waste management or recovery operations as specified in 63.680(a)(2)(i)-(vi).
X323	N/A	40 CFR Part 63, Subpart OO	Refinery is not subject to another subpart that references 40 CFR 63 Subpart OO.
X323	N/A	40 CFR Part 63, Subpart R	Refinery is not a bulk gasoline terminal or pipeline



## 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		
			breakout station.
X330	N/A	40 CFR Part 61, Subpart FF	The unit is not subject to Benzene waste operations.
X330	N/A	40 CFR Part 61, Subpart Y	Refinery has no storage vessels storing benzene.
X330	N/A	40 CFR Part 63, Subpart CC	Benzene concentration of wastewater is less than 10 ppmw, and therefore stream is NOT Group 1.
X330	N/A	40 CFR Part 63, Subpart DD	Plant does not receive off-site materials and has no waste management or recovery operations as specified in 63.680(a)(2)(i)-(vi).
X330	N/A	40 CFR Part 63, Subpart OO	Refinery is not subject to another subpart that references 40 CFR 63 Subpart OO.
X330	N/A	40 CFR Part 63, Subpart R	Refinery is not a bulk gasoline terminal or pipeline breakout station.
PAINTFE	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Plant is not in Gregg, Nueces, or Victoria Counties
PAINTFE	N/A	40 CFR Part 60, Subpart DDD	Facility is not involved in the manufacture of polypropylene, polyethylene, polystyrene or poly (ethylene terephthalate).
PAINTFE	N/A	40 CFR Part 60, Subpart GGG	Refinery is subject to NSPS VV by virtue of being subject to MACT CC, and is therefore not subject to NSPS GGG.

## 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		
PAINTFE	N/A	40 CFR Part 60, Subpart KKK	Facility is not located at an onshore natural gas processing plant as defined in 60.631.
PAINTFE	N/A	40 CFR Part 61, Subpart F	Refinery does not produce any of the products listed in 61.60(a)(1)-(3).
PAINTFE	N/A	40 CFR Part 61, Subpart J	Refinery has no equipment designed to operate in benzene service.
PAINTFE	N/A	40 CFR Part 61, Subpart V	Source is not intended to operate in VHAP service.
PAINTFE	N/A	40 CFR Part 63, Subpart F	Source is not intended to operate in VHAP service.
PAINTFE	N/A	40 CFR Part 63, Subpart I	Refinery production is not one of the processes listed in 63.190(b)(1)-(b)(6).
PROBWN	N/A	40 CFR Part 60, Subpart QQQ	Streams and waste management units will meet the requirements of 40 CFR 63, Subpart CC, and are not subject to NSPS QQQ.
PROBWN	N/A	40 CFR Part 63, Subpart VV	Refinery is not subject to another subpart that references 40 CFR 63 Subpart VV.
GRPBENZSEP	T306, T307	40 CFR Part 60, Subpart QQQ	Streams and waste management units will meet the requirements of 40 CFR 63, Subpart CC, and are not subject to NSPS QQQ.
GRPBENZSEP	T306, T307	40 CFR Part 63, Subpart DD	Plant does not receive off-site materials and has no waste management or recovery operations as specified in 63.680(a)(2)(i)-(vi).

## 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		
GRPBENZSEP	T306, T307	40 CFR Part 63, Subpart VV	Refinery is not subject to another subpart that references 40 CFR 63 Subpart VV.
GRPSEPARAT	CCLP, CPI1, CPI2, DD2, MANHOLE4, TC&G, X330SM	40 CFR Part 60, Subpart QQQ	Separators and facilities routed to separators were constructed prior to 1987.
GRPSEPARAT	CCLP, CPI1, CPI2, DD2, MANHOLE4, TC&G, X330SM	40 CFR Part 61, Subpart FF	Benzene concentration of wastewater is less than 10 ppmw, and therefore units are NOT subject to control.
GRPSEPARAT	CCLP, CPI1, CPI2, DD2, MANHOLE4, TC&G, X330SM	40 CFR Part 63, Subpart CC	Benzene concentration of wastewater is less than 10 ppmw, and therefore stream is NOT Group 1.
GRPSEPARAT	CCLP, CPI1, CPI2, DD2, MANHOLE4, TC&G, X330SM	40 CFR Part 63, Subpart DD	Plant does not receive off-site materials and has no waste management or recovery operations as specified in 63.680(a)(2)(i)-(vi).
GRPSEPARAT	CCLP, CPI1, CPI2, DD2, MANHOLE4, TC&G, X330SM	40 CFR Part 63, Subpart G	HAP concentration for both table 8 and table 9 compounds does not meet the level for classification as Group 1.
GRPWWIFR	X311, X312	40 CFR Part 60, Subpart K	Not storing petroleum liquids.
GRPWWIFR	X311, X312	40 CFR Part 60, Subpart Ka	Not storing petroleum liquids.
GRPWWIFR	X311, X312	40 CFR Part 60, Subpart Kb	Constructed prior to July 23, 1984.
GRPWWIFR	X311, X312	40 CFR Part 60, Subpart QQQ	Separators and facilities routed to separators were

## 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 prior to 1987.
GRPWWIFR	X311, X312	40 CFR Part 61, Subpart FF	Benzene concentration of wastewater is less than 10 ppmw, and therefore units are NOT subject to control.
GRPWWIFR	X311, X312	40 CFR Part 61, Subpart Y	Refinery has no storage vessels storing benzene.
GRPWWIFR	X311, X312	40 CFR Part 63, Subpart CC	Benzene concentration of wastewater is less than 10 ppmw, and therefore stream is NOT Group 1.
GRPWWIFR	X311, X312	40 CFR Part 63, Subpart DD	Plant does not receive off-site materials and has no waste management or recovery operations as specified in 63.680(a)(2)(i)-(vi).
GRPWWIFR	X311, X312	40 CFR Part 63, Subpart G	HAP concentration for both table 8 and table 9 compounds does not meet the level for classification as Group 1.
GRPWWIFR	X311, X312	40 CFR Part 63, Subpart OO	Refinery is not subject to another subpart that references 40 CFR 63 Subpart OO.
GRPWWIFR	X311, X312	40 CFR Part 63, Subpart R	Refinery is not a bulk gasoline terminal or pipeline breakout station.
GRPWWTK	S412, T1212, T9572, X316, X324, X325, X326, X327, X328	40 CFR Part 60, Subpart K	Not storing petroleum liquids.
GRPWWTK	S412, T1212, T9572, X316, X324, X325, X326, X327,	40 CFR Part 60, Subpart Ka	Not storing petroleum liquids.

## Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
	X328		
GRPWWTK	S412, T1212, T9572, X316, X324, X325, X326, X327, X328	40 CFR Part 60, Subpart Kb	Constructed prior to July 23, 1984.
GRPWWTK	S412, T1212, T9572, X316, X324, X325, X326, X327, X328	40 CFR Part 60, Subpart QQQ	Separators and facilities routed to separators were constructed prior to 1987.
GRPWWTK	S412, T1212, T9572, X316, X324, X325, X326, X327, X328	40 CFR Part 61, Subpart FF	Benzene concentration of wastewater is less than 10 ppmw, and therefore units are NOT subject to control.
GRPWWTK	S412, T1212, T9572, X316, X324, X325, X326, X327, X328	40 CFR Part 61, Subpart Y	Refinery has no storage vessels storing benzene.
GRPWWTK	S412, T1212, T9572, X316, X324, X325, X326, X327, X328	40 CFR Part 63, Subpart CC	Benzene concentration of wastewater is less than 10 ppmw, and therefore stream is NOT Group 1.
GRPWWTK	S412, T1212, T9572, X316, X324, X325, X326, X327, X328	40 CFR Part 63, Subpart DD	Plant does not receive off-site materials and has no waste management or recovery operations as specified in 63.680(a)(2)(i)-(vi).
GRPWWTK	S412, T1212, T9572, X316, X324, X325, X326, X327, X328	40 CFR Part 63, Subpart G	HAP concentration for both table 8 and table 9 compounds does not meet the level for classification as Group 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		
GRPWWTK	S412, T1212, T9572, X316, X324, X325, X326, X327, X328	40 CFR Part 63, Subpart OO	Refinery is not subject to another subpart that references 40 CFR 63 Subpart OO.
GRPWWTK	S412, T1212, T9572, X316, X324, X325, X326, X327, X328	40 CFR Part 63, Subpart R	Refinery is not a bulk gasoline terminal or pipeline breakout station.

**New Source Review Authorization References**

**New Source Review Authorization References ..... 550**

**New Source Review Authorization References by Emission Unit.....551**

## New Source Review Authorization References

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

<b>Prevention of Significant Deterioration (PSD) Permits</b>	
PSD Permit No.: PSDTX815	Issuance Date: 01/13/2015
PSD Permit No.: PSDTX928	Issuance Date: 12/17/2014
<b>Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.</b>	
Authorization No.: 21262	Issuance Date: 12/17/2014
Authorization No.: 22038	Issuance Date: 01/13/2015
Authorization No.: 3179	Issuance Date: 07/21/2011
Authorization No.: 3214	Issuance Date: 06/30/2008
Authorization No.: 77952	Issuance Date: 10/09/2015
Authorization No.: 81971	Issuance Date: 11/09/2009
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 106.261	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 03/14/1997
Number: 106.262	Version No./Date: 09/04/2000
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 09/04/2000
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000



The following is a list of New Source Review (NSR) authorizations for 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**
A1000-FL1	GIRBOTOL ANALYZER FAST LOOP 1 - C1007 GAS	21262, PSDTX928
A1000-FL2	GIRBOTOL ANALYZER FAST LOOP 2 - C1009 GAS	21262, PSDTX928
A1006-FL1	GIRBOTOL ANALYZER FAST LOOP 1 - C1006 GAS	21262, PSDTX928
A1006-FL2	GIRBOTOL ANALYZER FAST LOOP 1 - C1006 GAS	21262, PSDTX928
A10823-FL1	CAT CRACKER ANALYZER FAST LOOP 1	21262, PSDTX928
A10823-FL2	CAT CRACKER ANALYZER FAST LOOP 2	21262, PSDTX928
A1284-FL	DU2 ANALYZER FAST LOOP 1	21262, PSDTX928
A1301-FL	PSA ANALYZER FAST LOOP	21262, PSDTX928
A140-FL	HP1 ANALYZER FAST LOOP	21262, PSDTX928
A1660B	SR-3/4 INCINERATOR	21262, PSDTX928
A1746-FL	UTILSYS VENT	21262, PSDTX928
A200-FL	SGP ANALYZER FAST LOOP - DEBUT TOPS	21262, PSDTX928
A267-FL	SPG ANALYZER FAST LOOP -PROPANE PRODUCT	21262, PSDTX928
A285-FL	SGP ANALYZER FAST LOOP - DEPROP BTMS	21262, PSDTX928
A301-FL	SGP ANALYZER FAST LOOP - NORMAL BUTANE	21262, PSDTX928
A305R1	STORAGE TANK	106.478[115095]09/04/2000
A307R1	STORAGE TANK	106.263[134988]09/04/2000, 106.478[134988]09/04/2000
A308R1	STORAGE TANK	106.478[135037]09/04/2000

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

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization**</b>
A309-FL	SGP ANALYZER FAST LOOP - ISO BUTANE	21262, PSDTX928
A312-R1	TANK	106.261[93992]11/01/2003, 106.262[93992]11/01/2003, 106.478[93992]09/04/2000
A320R1	STORAGE TANK	106.263[124415]09/04/2000, 106.478[124415]09/04/2000
A330-FL	GR ANALYZER FAST LOOP - FUEL GAS HEADER	21262, PSDTX928
A333FUG	FUGITIVES	21262, 22038, 106.261[87183]11/01/2003, 106.262[87183]11/01/2003, 106.487[87183]09/04/2000, PSDTX815, PSDTX928
A333	TANK	21262, 22038, 106.261[87183]11/01/2003, 106.262[87183]11/01/2003, 106.487[87183]09/04/2000, PSDTX815, PSDTX928
A350-FL	HP1 ANALYZER FAST LOOP - METHANORT FEED	21262, PSDTX928
A380-FL	HP1 ANALYZER FAST LOOP - METHANATOR PRODUCT	21262, PSDTX928
A422-FL	DU2 ANALYZER FAST LOOP 2	21262, PSDTX928
A503-FL	SGP ANALYZER FAST LOOP - DRY GAS	21262, PSDTX928
A518-FL1	GR ANALYZER FAST LOOP FUEL GAS TREATER OUTLET	21262, PSDTX928
A518-FL2	GR ANALYZER FAST LOOP - FLARE FUEL HEADER	21262, PSDTX928
A519-FL	GFRAC ANALYZER FAST LOOP 1	21262, PSDTX928

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

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization**</b>
A900-FL3	DHT FAST LOOP 3	21262, PSDTX928
A900-FL4	DHT FAST LOOP 4	21262, PSDTX928
A9267-FL	GFRAC ANALYZER FAST LOOP 2	21262, PSDTX928
A9268-FL	GFRAC ANALYZER FAST LOOP 3	21262, PSDTX928
A9315-FL	GFRAC ANALYZER FAST LOOP 4	21262, PSDTX928
ACIDLOAD	ACID TANK CAR LOADING	21262, PSDTX928
AE2340	OCTANE TESTING ENGINE	21262, PSDTX928
AE2636	OCTANE TESTING ENGINE	21262, PSDTX928
AE2650	OCTANE TESTING ENGINE	21262, PSDTX928
AE348	OCTANE TESTING ENGINE	21262, PSDTX928
AE349	OCTANE TESTING ENGINE	21262, PSDTX928
AE388	OCTANE TESTING ENGINE	21262, PSDTX928
AE389	OCTANE TESTING ENGINE	21262, PSDTX928
AE700	OCTANE TESTING ENGINE	21262, PSDTX928
AE768	OCTANE TESTING ENGINE	21262, PSDTX928
AEROSAPPL	AEROSOL CAN APPLICATION: PAINT AND SOLVENTS	21262, PSDTX928
AEROSDISP	AEROSOL CAN CRUSHING AND DISPOSAL	21262, PSDTX928
AP16	CFH FEED STORAGE TANK	21262, PSDTX928
AP17	CC FEED STORAGE TANK	21262, PSDTX928

The following is a list of New Source Review (NSR) authorizations for 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**
AP1	MFO STORAGE TANK	21262, PSDTX928
AP20	STORAGE TANK	106.263[112737]09/04/2000, 106.478[112737]09/04/2000
AP21	STORAGE TANK	106.263[114863]09/04/2000, 106.478[114863]09/04/2000
AP2	MFO STORAGE TANK	21262, PSDTX928
AP4	MFO STORAGE TANK	21262, PSDTX928
AP5	#6 FUEL OIL STORAGE TANK	21262, PSDTX928
AP6	GASOLINE STORAGE TANK	21262, PSDTX928
AP7	MFO STORAGE TANK	21262, PSDTX928
AP7-R1	TANK	21262, 106.261[93992]11/01/2003, 106.262[93992]09/04/09/2000, 106.478[93992]09/04/2000, PSDTX928
AP8	GASOLINE STORAGE TANK	21262, PSDTX928
AR300-FL	REGEN GAS ANALYZER FAST LOOP	21262, PSDTX928
BARGE	BARGE LOADING DOCKS	21262, PSDTX928
BENZENE1	MARINE LOADING - BENZENE DOCK 1	21262, PSDTX928
BENZENE2	MARINE LOADING - BENZENE DOCK 2	21262, PSDTX928
BENZENE4	MARINE LOADING - BENZENE DOCK 4	21262, PSDTX928
BWN VENT	BWN VENT	21262, PSDTX928

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

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization**</b>
C9150	VESSEL/C9150 COMPRESSOR	21262, PSDTX928
C9151	VESSEL/C9151 COMPRESSOR	21262, PSDTX928
C9152	VESSEL/C9152 COMPRESSOR	21262, PSDTX928
C9153	VESSEL/C9153 COMPRESSOR	21262, PSDTX928
CCLP	CPI OIL WATER SEPARATOR	21262, PSDTX928
CDUCT1	ATMOSPHERIC VENT	21262, PSDTX928
CDUCT2	ATMOSPHERIC VENT	21262, PSDTX928
CG1	COGEN UNIT #1 DUCTBURNER	22038, 81971, PSDTX815
CG2	COGEN UNIT #2 DUCTBURNER	22038, 77952, PSDTX815
COKERSD	ATMOSPHERIC DECONTAMINATION	21262, PSDTX928
COKPMFU1	COKER PM FUGITIVE EMISSIONS #1	21262, PSDTX928
COKPMFU2	COKER PM FUGITIVE EMISSIONS #2	21262, PSDTX928
COKPMFU3	COKER PM FUGITIVE EMISSIONS #3	21262, PSDTX928
COKPMFU4	COKER PM FUGITIVE EMISSIONS #4	21262, PSDTX928
COKPMFU5	COKER PM FUGITIVE EMISSIONS #5	21262, PSDTX928
COKPMFU6	COKER PM FUGITIVE EMISSIONS #6	21262, PSDTX928
COKPMFU7	COKER PM FUGITIVE EMISSIONS #7	21262, PSDTX928
CPI1	CPI OIL WATER SEPARATOR	21262, PSDTX928
CPI2	CPI OIL WATER SEPARATOR	21262, PSDTX928

The following is a list of New Source Review (NSR) authorizations for 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**
CR3	CATALYTIC REFORMING UNIT-3	21262, PSDTX928
CRUDE	CRUDE LOADING DOCKS	21262, PSDTX928
CRUDES	ATMOSPHERIC DECONTAMINATION	21262, PSDTX928
CTURB1	COGEN UNIT #1 TURBINE	22038, PSDTX815
CTURB2	COGEN UNIT #2 TURBINE	22038, PSDTX815
CWT10	COOLING WATER TOWER NO. 10	21262, PSDTX928
CWT11	COOLING WATER TOWER NO. 11	21262, PSDTX928
CWT12	COOLING WATER TOWER NO. 12	21262, PSDTX928
CWT15	COOLING WATER TOWER NO.15	21262, PSDTX928
CWT16	COOLING WATER TOWER NO. 16	21262, PSDTX928
CWT17	COOLING WATER TOWER NO. 17	21262, PSDTX928
CWT6	COOLING WATER TOWER NO. 6	21262, PSDTX928
CWT7	COOLING WATER TOWER NO. 7	21262, PSDTX928
CWT8	COOLING WATER TOWER NO. 8	21262, PSDTX928
CWT9	COOLING WATER TOWER NO. 9	21262, PSDTX928
D363	ANTIICANT STORAGE TANK	21262, PSDTX928
DD2	CPI OIL WATER SEPARATOR	21262, PSDTX928
DEALOAD	LOADING	21262, PSDTX928
DEG ACID	DEGASSER ACID	21262, PSDTX928

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<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization**</b>
DEGREAS01	CHEMICAL CLEANING - DEGREASER UNITS	21262, PSDTX928
DEPNP COND	DEPNP FEED CONDENSER VENT	21262, PSDTX928
DHTVAC	DHT VACUUM VENT TO H1100	21262, PSDTX928
DOCK1	MARINE LOADING - DOCK 1	21262, PSDTX928
DOCK2	MARINE LOADING - DOCK 2	21262, PSDTX928
DOCK4	MARINE LOADING - DOCK 4	21262, PSDTX928
DPREFSDSU	ATMOSPHERIC DECONTAMINATION	21262, PSDTX928
DW103	HVI STOCK DW RAFF STORAGE TANK	21262, PSDTX928
DW104	HVI STOCK DW RAFF STORAGE TANK	21262, PSDTX928
EBT	FUGITIVES	106.261[117430]09/04/2000, 106.262[117430]09/04/2000
EPFGR	EPFGR	106.261[95595]09/04/2000
F314	SOUR NAPHTHA STORAGE TANK	21262, PSDTX928
F315	SWEET NAPHTHA STORAGE TANK	21262, PSDTX928
F316	SWEET NAPHTHA STORAGE TANK	21262, PSDTX928
F317	SWEET NAPHTHA STORAGE TANK	21262, PSDTX928
F325	JET FUEL STORAGE TANK	21262, PSDTX928
F326	DU1 DEBUT BOTTOMS STORAGE TANK	21262, PSDTX928
F329	STORAGE TANK	21262, 106.262[105772]09/04/2000, PSDTX928

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
F364	MTBE STORAGE TANK	21262, PSDTX928
F365	MTBE STORAGE TANK	21262, 106.262[105772]09/04/2000, PSDTX928
F366	MEOH FEED STORAGE TANK	21262, PSDTX928
F367	MEOH FEED STORAGE TANK	21262, PSDTX928
FCCU	FLUID CATALYTIC CRACKING UNIT	21262, PSDTX928
FEBA100	FUGITIVES	21262, PSDTX928
FLARECCU	CCU NORTH FLARE	21262, PSDTX928
FLARECOKE	COKER FLARE	21262, PSDTX928
FLAREEP	EAST PROPERTY FLARE	21262, PSDTX928
FLAREGIRB	ETHYLENE PLANT FLARE	21262, PSDTX928
FLARELHT	LHT FLARE	21262, PSDTX928
FLAREN P	NORTH PROPERTY FLARE	21262, PSDTX928
FLARESOUTH	SOUTH FLARE	21262, PSDTX928
FLAREWP	WEST PROPERTY FLARE	21262, PSDTX928
FP182	HVI 250 NEUTRAL STORAGE TANK	21262, PSDTX928
FP190	HVI 100 NEUTRAL STORAGE TANK	21262, PSDTX928
FP194	MVI 1200 NEUTRAL STORAGE TANK	21262, PSDTX928
FP195	DIALA A: WOR STORAGE TANK	21262, PSDTX928



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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
FP200	DIALA A: WOR STORAGE TANK	21262, PSDTX928
FUGABRBLST	ABRASIVE BLASTING: STIEWIDE	21262, PSDTX928
FUGALKY1	FUGALKY1	21262, PSDTX928
FUGAYARD	FUGITIVES - A YARD	21262, PSDTX928
FUGCCU	CATALYTIC CRACKING UNIT FUGITIVES	21262, PSDTX928
FUGCFH	CATALYTIC FEED HYDROTREATER FUGITIVES	21262, PSDTX928
FUGCGHT	CGHT FUGITIVES	46535
FUGCOGEN	COGENERATION FUGITIVES	22038, PSDTX815
FUGCOKER	COKER FUGITIVES	21262, 106.261[95595]09/04/2000, PSDTX928
FUGCR3	CATALYTIC REFORMER - 3 FUGITIVES	21262, 106.262[96066]09/04/2000, PSDTX928
FUGCR3TF	CATALYTIC REFORMER - 3 TANK FARM FUGITIVES	21262, PSDTX928
FUGDHT	DISTILLATE HYDROTREATER FUGITIVES	21262, PSDTX928
FUGDISP	DISPATCH FUGITIVES	21262, 106.261[101891]09/04/2000, PSDTX928
FUGDOCK	LOADING DOCK FUGITIVES	21262, PSDTX928
FUGDU1	DISTILLATION UNIT 1 FUGITIVES	21262, 106.261[120555]09/04/2000, 106.262[120555]09/04/2000, 106.261[120437]09/04/2000, PSDTX928
FUGDU2	DISTILLATION UNIT 2 FUGITIVES	21262, PSDTX928

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<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization**</b>
FUGENVN	ENVIROMENTAL NORTH FUGITIVES	21262, PSDTX928
FUGGASTR	GAS TREATMENT FACILITY FUGITIVES	21262, PSDTX928
FUGGFRAC	GAS FRACTIONATION FUGITIVES	21262, PSDTX928
FUGGIRBIT	GIRBOTOL FUGITIVES	21262, PSDTX928
FUGGOHT	GAS OIL HYDROTREATER FUGITIVES	21262, PSDTX928
FUGGR200	MTBE STORE/LOAD FUGITIVES	21262, PSDTX928
FUGGR	GAS RECOVERY FUGITIVES	21262, PSDTX928
FUGHDU1	HYDRODESULFERIZATION UNIT 1 FUGITIVES	21262, PSDTX928
FUGHP1	HYDROPROCESSING UNIT 1 FUGITIVES	21262, PSDTX928
FUGLHT2	LHT2 UNIT FUGITIVES	21262, PSDTX928
FUGMSSDPR	FUGITIVE COMPONENTS ASSOCIATED WITH MSS	21262, PSDTX928
FUGMTBE	MTBE FUGITIVES	21262, PSDTX928
FUGPLAT2	PLATFORMER 2 FUGITIVES	21262, PSDTX928
FUGPOSTFRAC	POST-FRACTIONATOR FUGITIVES	21262, PSDTX928
FUGPSA	PSA UNIT FUGITIVES	21262, PSDTX928
FUGSGP	SATURATES GAS PLANT FUGITIVES	21262, PSDTX928
FUGSHCU	SELECTIVE HYDROCRACKING UNIT FUGITIVES	21262, PSDTX928
FUGSMPDPR	PROCESS SAMPLING	21262, PSDTX928
FUGSR3/4	SULFUR RECOVERY 3 AND 4 FUGITIVES	21262, PSDTX928

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
FUGSR5	SULFUR RECOVERY 5 FUGITIVES	21262, PSDTX928
FUGSR6/7	SULFUR RECOVERY 6 AND 7 FUGITIVES	21262, PSDTX928
FUGSR8	SULFUR RECOV 8 FUGITIVES	21262, PSDTX928
FUGTHCR	THERMAL CRACKING UNIT FUGITIVES	21262, PSDTX928
FUGVACDPR	VACUUM TRUCK LOADING & UNLOADING	21262, PSDTX928
FUGWBT	WEST BLEND TANK FUGITIVES	21262, PSDTX928
G308	GASOLINE STORAGE TANK	21262, PSDTX928
G309	GASOLINE STORAGE TANK	21262, PSDTX928
G310	FURNACE OIL STORAGE TANK	21262, PSDTX928
G311	GASOLINE STORAGE TANK	21262, PSDTX928
G313	GASOLINE STORAGE TANK	21262, PSDTX928
G314	TURBINE FUEL STORAGE TANK	21262, PSDTX928
G315	GASOLINE STORAGE TANK	21262, PSDTX928
G316	SWEET NAPHTHA STORAGE TANK	21262, PSDTX928
G317	ALKYLATE STORAGE TANK	21262, PSDTX928
G319	TURBINE FUEL STORAGE TANK	21262, PSDTX928
G320	FURNACE OIL STORAGE TANK	21262, PSDTX928
G322	LOW SULFUR DIESEL STORAGE TANK	21262, PSDTX928
G323	GASOLINE STORAGE TANK	21262, PSDTX928

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<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization**</b>
G326	GASOLINE STORAGE TANK	21262, 106.478[94547]09/04/2000, PSDTX928
G327	GASOLINE STORAGE TANK	21262, PSDTX928
G328	GASOLINE STORAGE TANK	21262, PSDTX928
G329	PLATFORMATE STORAGE TANK	21262, PSDTX928
G332	SWEET NAPHTHA STORAGE TANK	21262, PSDTX928
G342	PLATFORMATE STORAGE TANK	21262, PSDTX928
G345	TURBINE FUEL STORAGE TANK	21262, PSDTX928
G346	SWEET NAPHTHA STORAGE TANK	21262, PSDTX928
G347	TURBINE FUEL STORAGE TANK	21262, PSDTX928
G348	GAS OIL STORAGE TANK	21262, PSDTX928
G352	TURBINE FUEL STORAGE TANK	21262, PSDTX928
G355	CC FEED STORAGETANK	21262, PSDTX928
G356	NAPHTHA STORAGE TANK	21262, PSDTX928
G357	CCLGO STORAGE TANK	21262, PSDTX928
G358	CCLGO STORAGE TANK	21262, PSDTX928
G359	STORAGE TANK	106.478/09/04/2000
G360	CCHGO STORAGE TANK	21262, PSDTX928
G361	ALKYLATE STORAGE TANK	21262, PSDTX928

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
G363	TANK	106.478/09/04/2000
G364	STORAGE TANK	106.478[98644]09/04/2000
G365	STORAGE TANK	106.478[106379]09/04/2000
G366	STORAGE TANK	106.263[112313]09/04/2000, 106.478[112313]09/04/2000
G367	STORAGE TANK	106.263[112313]09/04/2000, 106.478[112313]09/04/2000
GTTLR	GASOLINE LOADING RACK	21262, PSDTX928
H1000	PLATFORMER HEATER	21262, PSDTX928
H1001	PLATFORMER HEATER	21262, PSDTX928
H1010	CHARGE HEATER	21262, PSDTX928
H1011	REBOIL HEATER	21262, PSDTX928
H1100	PROCESS HEATER	21262, PSDTX928
H1170	HEATER	21262, PSDTX928
H31001	COKER FURNACE	21262, PSDTX928
H31002	COKER FURNACE	21262, PSDTX928
H31003	COKER 2 FURNACE	21262, PSDTX928
H3300	HEATER	21262, PSDTX928
H332V	CAT CRACKER CATALYST DUST VENT	106.263/11/01/2001
H36100	CGHT FURNACE	21262, PSDTX928

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
H5100	HEATER	21262, PSDTX928
H5101	HEATER	21262, PSDTX928
H5102	HEATER	21262, PSDTX928
H5103	HEATER	21262, PSDTX928
H5104	PREFLASH HEATER 1	21262, PSDTX928
H5105	PREFLASH HEATER 2	21262, PSDTX928
H5200	HEATER	21262, PSDTX928
H5301	CR3 RX1 FURNACE	21262, PSDTX928
H5302	CR3 RXTR 2 FURNACE	21262, PSDTX928
H5303	CR3 RXT 3 FURNACE	21262, PSDTX928
H5304	CR3 RX4 FURNACE	21262, PSDTX928
H5305	FURNACE	21262, PSDTX928
H5350	CR3 REGEN FURNACE	21262, PSDTX928
H53NN	CATALYTIC REFORMET SCR	21262, PSDTX928
H5400	FURNACE	21262, PSDTX928
H5402	FURNACE	21262, PSDTX928
H5403	FURNACE	21262, PSDTX928
H5404	POSTFRAC HEATER	21262, PSDTX928
H5500A	SMR HEATER A	21262, PSDTX928

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
H5500B	SMR HEATER B	21262, PSDTX928
H5500C	SMR HEATER C	21262, PSDTX928
H5500	FURNACE	21262, PSDTX928
H5600	FURNACE	21262, PSDTX928
H600	FCCU CO BOILER	21262, PSDTX928
H613	DU-1 HEATER	21262, PSDTX928
H63000	HVI FURNACE	21262, PSDTX928
H70001	GOHT RECYCLE GAS HEATER	21262, PSDTX928
H70002	GOHT FRACTIONATOR REBOILER FURNACE	21262, PSDTX928
H7302	ATMOSPHERIC VENT	21262, PSDTX928
H9150	LHT <sub>2</sub> FURNACE	21262, PSDTX928
HB00200	OLEFINS TAIL GAS BOILER	120335
HP1SDSU	ATMOSPHERIC DECONTAMINATION	21262, PSDTX928
IA88017-FL	MTBE ANALYZER FAST LOOP	21262, PSDTX928
J301	SLURRY STORAGE TANK	21262, PSDTX928
J302	SLURRY STORAGE TANK	21262, PSDTX928
J303	SLURRY STORAGE TANK	21262, PSDTX928
J304	GAS OIL STORAGE TANK	21262, PSDTX928
J305	RESIDUE STORAGE TANK	21262, PSDTX928

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<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization**</b>
J306	RESIDUE STORAGE TANK	21262, PSDTX928
J308	SHCU BTMS STORAGE TANK	21262, PSDTX928
J309	SHCU BTMS STORAGE TANK	21262, PSDTX928
J311	GAS OIL STORAGE TANK	21262, PSDTX928
J312	HEAVY NAPHTHA STORAGE TANK	21262, PSDTX928
J315	HEAVY NAPHTHA STORAGE TANK	21262, PSDTX928
J316	HEAVY NAPHTHA STORAGE TANK	21262, PSDTX928
J317	SOUR NAPHTHA STORAGE TANK	21262, PSDTX928
J318	SOUR NAPHTHA STORAGE TANK	21262, PSDTX928
J322	CRACKED LIGHT GAS OIL STORAGE TANK	21262, PSDTX928
J323	CRACKED LIGHT GAS OIL STORAGE TANK	21262, PSDTX928
J324	CRACKED LIGHT GAS OIL STORAGE TANK	21262, PSDTX928
J325	SRHGO STORAGE TANK	21262, PSDTX928
J326	JET FUEL STORAGE TANK	21262, PSDTX928
J327	JET FUEL STORAGE TANK	21262, PSDTX928
J328	JET FUEL STORAGE TANK	21262, PSDTX928
J331	SRHGO STORAGETANK	21262, PSDTX928
J332	SRHGO STORAGETANK	21262, PSDTX928
J336	CAT CRACKER LIGHT GAS OIL STORAGETANK	21262, PSDTX928



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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
J337	CCLGO STORAGE TANK	21262, PSDTX928
J338	CRACKED LIGHT GAS OIL STORAGE TANK	21262, PSDTX928
J348	CC FEED STORAGE TANK	21262, PSDTX928
J349	CC FEED STORAGE TANK	21262, PSDTX928
K301	RESIDUE STORAGE TANK	21262, PSDTX928
K302	RESIDUE STORAGE TANK	21262, PSDTX928
K303	GAS OIL STORAGE TANK	21262, PSDTX928
K304	GAS OIL STORAGE TANK	21262, PSDTX928
K310	PITCH STORAGE TANK	21262, PSDTX928
K311	PITCH STORAGE TANK	21262, PSDTX928
KELLY	KELLY'S LAKE (OPEN SUMP)	106.472/09/04/2000
L2COMPVT	VESSEL/LHT2 COMPRESSOR PACK/DP VENTS	21262, PSDTX928
M301	MFO STORAGE TANK	21262, PSDTX928
M302	LOW SULFUR DIESEL STORAGE TANK	21262, PSDTX928
MANHOLE4	NET MANHOLE #4	21262, PSDTX928
MRCM C4 VENT1	COKER PROCESS VENT 2	21262, PSDTX928
MRCM C4 VENT2	COKER PROCESS VENT 3	21262, PSDTX928
MRCM C4 VENT	COKER PROCESS VENT 1	21262, PSDTX928
MSSCOGEN	MSS COGEN EMISSIONS	22038, PSDTX815

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
MSSDECNDPR	PUMP AND MINOR PROCESS DECONTAMINATION	21262, PSDTX928
MTBE DEGASSER	WW MTBE DEGASSER VENT	21262, PSDTX928
NAB	NORTH AERATION BASIN	21262, PSDTX928
NDAF	NORTH DISSOLVED AIR FLOTATION UNIT	21262, PSDTX928
P-87107	DIESEL FIRE WATER PUMP	3179
PAINTFE	PAINT FUGITIVES	21262, PSDTX928
PLAT2	PLATFORMER-2 UNIT	21262, PSDTX928
PROBWN	BENZENE WASTE TREATMENT PROCESS	21262, PSDTX928
PRONET	NORTH EFFLUENT TREATMENT PROCESS	21262, PSDTX928
R5606A	FUGITIVE RELIEF VALVE	21262, PSDTX928
RKLBLEND	BLEND LOADING RACK CENTROID	21262, PSDTX928
RKLDIALA	DIALA LOADING RACK CENTROID	21262, PSDTX928
RKLTC/TT	TC/TT LOADING CENTROID	21262, PSDTX928
RKLTC	TC LOADING CENTROID	21262, PSDTX928
RKLCTTU	TC/TT UNLOADING	21262, PSDTX928
RV-1015	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-1017B	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-1018	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-103	FUGITIVE RELIEF VALVE	21262, PSDTX928

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<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization**</b>
RV-1100	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-11110B	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-11116	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-11117	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-11193	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-123B	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-1358	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-140	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-1649B	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-1859	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-1860	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-2014	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-2029	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5022A	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5024A	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5024B	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5024	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5102B	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5102E	FUGITIVE RELIEF VALVE	21262, PSDTX928

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<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization**</b>
RV-5102F	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5102H	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5102J	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5102K	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5109A	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5112A	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5112B	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5112C	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5114B	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5114	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5115	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5118	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5134	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5603A	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5605B	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5607A	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5607B	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-5607C	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-63000	FUGITIVE RELIEF VALVE	21262, PSDTX928

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
RV-647	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-655	FUGITIVE RELIEF VALVE	21262, PSDTX928
RV-735	FUGITIVE RELIEF VALVE	21262, PSDTX928
S305	DIETHANOLAMINE STORAGE TANK	21262, PSDTX928
S306	DEA SLOPS STORAGE TANK	21262, PSDTX928
S312	SHELL JET A STORAGE TANK	21262, PSDTX928
S318	ANTIICANT STORAGE TANK	21262, PSDTX928
S339	SOUR BRINE COLLECTION TANK	21262, PSDTX928
S402	DIISOPROPANOL AMINE STORAGE TANK	21262, PSDTX928
S412	SPILL DIVERSION - FIXED ROOFTANK	21262, PSDTX928
S429	SOUR WATER STORAGE TANK	21262, PSDTX928
SAB	SOUTH AERATION BASIN	21262, PSDTX928
SDAF	SOUTH DISSOLVED AIR FLOTATION UNIT	21262, PSDTX928
SGPSD	ATMOSPHERIC DECONTAMINATION	21262, PSDTX928
SHCUSD	ATMOSPHERIC DECONTAMINATION	21262, PSDTX928
SHU-FUG	FUGITIVES	106.262[125824]09/04/2000
SR3/4STACK	SRU 3/4 INCINERATOR STACK	21262, PSDTX928
SR5STACK	SRU 5 INCINERATOR STACK	21262, PSDTX928
SR6STACK	SRU 7 INCINERATOR STACK	21262, PSDTX928

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

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization**</b>
SR7STACK	SRU 7 INCINERATOR STACK	21262, PSDTX928
SR8STACK	SRU 7 INCINERATOR STACK	21262, PSDTX928
SRU3/4	SULFUR RECOVERY UNIT-3/4	21262, PSDTX928
SRU5	SULFUR RECOVERY UNIT-5	21262, PSDTX928
SRU6	SULFUR RECOVERY UNIT-6	21262, PSDTX928
SRU7	SULFUR RECOVERY UNIT-7	21262, PSDTX928
SRU8	SULFUR RECOVERY UNIT-8	21262, PSDTX928
SS308	JP8 ANTIICANT STORAGE TANK	21262, PSDTX928
SS343	GAS OIL STORAGE TANK	21262, PSDTX928
SS364	UOP GAS INHIBITOR STORAGE TANK	21262, PSDTX928
SS375	CHEM PROD DRI STORAGE TANK	21262, PSDTX928
SS376	GASOLINE STORAGE TANK	21262, PSDTX928
SS377	GASOLINE STORAGE TANK	21262, PSDTX928
SS378	GASOLINE STORAGE TANK	21262, PSDTX928
SS379	GASOLINE STORAGE TANK	21262, PSDTX928
SS388	DIISOPROPANOL AMINE STORAGE TANK	21262, PSDTX928
SS425	SS425 MATERIAL STORAGE TANK	21262, PSDTX928
SULFURSD	ATMOSPHERIC DECONTAMINATION	21262, PSDTX928
T1211	FRESH 80% DEA STORAGE TANK	21262, PSDTX928

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<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization**</b>
T1212	DEA SLOPS - FIXED ROOF TANK	21262, PSDTX928
T1710	MDEA 45% STORAGE TANK	21262, PSDTX928
T1F323	DU1 DEBUT BOTTOMS STORAGE TANK	21262, PSDTX928
T1F324	DU1 DEBUT BOTTOMS STORAGE TANK	21262, PSDTX928
T1F329	SWEET NAPTHA STORAGE TANK	21262, PSDTX928
T1F330	SWEET NAPTHA STORAGE TANK	21262, PSDTX928
T1F348	SWEET NAPTHA STORAGE TANK	21262, PSDTX928
T301	WASTEWATER - EFR TANK	21262, PSDTX928
T302	WASTEWATER - EFR TANK	21262, PSDTX928
T303	WASTEWATER - EFR TANK	21262, PSDTX928
T304	WASTEWATER - EFR TANK	21262, PSDTX928
T305	WASTEWATER - EFR TANK	21262, PSDTX928
T306	WASTEWATER - CPI SEPARATOR	21262, PSDTX928
T307	WASTEWATER - CPI SEPARATOR	21262, PSDTX928
T308	WASTEWATER - INDUCED GAS FLOATATION	21262, PSDTX928
T309	WASTEWATER - INDUCED GAS FLOATATION	21262, PSDTX928
T316	METHANOL STORAGE TANK	21262, PSDTX928
T93002	DIETHANOLAMINE 30% STORAGE TANK	21262, PSDTX928
T93402	MDEA 45% STORAGE TANK	21262, PSDTX928

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<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization**</b>
T9572	EQUIP. WASH - FIXED ROOF TANK	21262, PSDTX928
TA301	CRUDE STORAGE TANK	21262, PSDTX928
TA305	CRUDE STORAGE TANK	21262, PSDTX928
TA306	CRUDE STORAGE TANK	21262, PSDTX928
TA307	CRUDE STORAGE TANK	21262, PSDTX928
TA308	GASOLINE STORAGE TANK	21262, PSDTX928
TA309	GASOLINE STORAGE TANK	21262, PSDTX928
TA310	CRUDE STORAGE TANK	21262, PSDTX928
TA312	CRUDE STORAGE TANK	21262, PSDTX928
TA313	CRUDE STORAGE TANK	21262, PSDTX928
TA315	CRUDE STORAGE TANK	21262, PSDTX928
TA316	CRUDE STORAGE TANK	21262, PSDTX928
TA317	CRUDE STORAGE TANK	21262, PSDTX928
TA318	CRUDE STORAGE TANK	21262, PSDTX928
TA319	CRUDE STORAGE TANK	21262, PSDTX928
TA320	CRUDE STORAGE TANK	21262, PSDTX928
TA321	CRUDE STORAGE TANK	21262, PSDTX928
TA322	CRUDE STORAGE TANK	21262, PSDTX928
TA324	CRUDE STORAGE TANK	21262, PSDTX928



The following is a list of New Source Review (NSR) authorizations for 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**
TA325	CRUDE STORAGE TANK	21262, PSDTX928
TA326	CRUDE STORAGE TANK	21262, PSDTX928
TA329	CRUDE STORAGE TANK	21262, PSDTX928
TA330	CRUDE STORAGE TANK	21262, PSDTX928
TA331	CRUDE STORAGE TANK	21262, PSDTX928
TA332	CRUDE STORAGE TANK	21262, PSDTX928
TA334	CRUDE STORAGE TANK	21262, PSDTX928
TC&G	CPI OIL WATER SEPARATOR	21262, PSDTX928
TCACIDLOAD	SPENT ACID LOAD FUGITIVES	21262, PSDTX928
TG324	CRUDE STORAGE TANK	21262, PSDTX928
TG362	CRUDE STORAGE TANK	21262, PSDTX928
TJ333	CR3 FEED STORAGE TANK	21262, PSDTX928
TJ334	CR3 FEED STORAGE TANK	21262, PSDTX928
TJ335	CR3 FEED STORAGE TANK	21262, PSDTX928
TK305	GAS OIL STORAGE TANK	21262, PSDTX928
TNKVENT	FORCED VENTILATION OF TANK WITH RESIDUAL	21262, PSDTX928
TRKLFIL	TRICKLING FILTER	21262, PSDTX928
TRKLSMP	TRICKLING FILTER SUMP	21262, PSDTX928
V-1024	GIRBOTOL VESSEL K.O POT #1	21262, PSDTX928

The following is a list of New Source Review (NSR) authorizations for 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**
V-1046	GIRBOTOL VESSEL PIC - 1025A	21262, PSDTX928
V-1052	GIRBOTOL VESSEL K.O POT #2	21262, PSDTX928
V1074	CAT CRACKER SWS OIL RECOVERY DRUM	21262, PSDTX928
V1111	METHANOL STORAGE TANK	21262, PSDTX928
V1298	CAT CRACKER SWS DEGASSING DRUM 1	21262, PSDTX928
V1299	CAT CRACKER SWS DEGASSING DRUM 2	21262, PSDTX928
V31001	COKER PROCESS VENT 4	21262, PSDTX928
V31002	COKER PROCESS VENT 5	21262, PSDTX928
V31003	COKER PROCESS VENT 6	21262, PSDTX928
V31004	COKER PROCESS VENT 7	21262, PSDTX928
V329	METHANOL STORAGE TANK	106.478/09/04/2000
V5369	FUGITIVES	106.262[96066]09/04/2000
V54	VESSEL/REGEN K.O. POT	21262, 106.262[100945]09/04/2000, PSDTX928
V5518	HP1 - OVH ACCUM. VENT	21262, PSDTX928
V5527	HP1 - COLUMN/V5527	21262, PSDTX928
V601	CAT CRACKER CATALYST HOPPER VENT 1	106.263/11/01/2001
V602	CATALYST HOPPER VENT 2	106.263/11/01/2001
V9160	VESSEL/LHT2 STRATCO ACCUMULATOR	21262, PSDTX928

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<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization**</b>
VA03	STRAIGHT RUN RESIDUE STORAGE TANK	21262, PSDTX928
VA04	STRAIGHT RUN RESIDUE STORAGE TANK	21262, PSDTX928
WBT	FUGITIVES	106.261[117430]09/04/2000, 106.262[117430]09/04/2000
WW DEGASSER	WW DEGASSR VENT	21262, PSDTX928
X311	AMINE TANK - IFR	21262, PSDTX928
X312	AMINE TANK - IFR	21262, PSDTX928
X315	BALLAST WATER - EFRTANK	21262, PSDTX928
X316	DISSOLVED AIR FLOTATION FLOAT COLLECTION TANK	21262, PSDTX928
X320	SLOP OIL - EFRTANK	21262, PSDTX928
X321	SLOP OIL - EFRTANK	21262, PSDTX928
X322	CHEMICAL DRIPS - IFR TANK	21262, PSDTX928
X323	CHEMICAL DRIPS - IFR TANK	21262, PSDTX928
X324	MICS. ORGANICS - FIXED ROOF TANK	21262, PSDTX928
X325	MICS. ORGANICS - FIXED ROOF TANK	21262, PSDTX928
X326	DAF FLOAT COLLECTION - FIXED ROOF TANK	21262, PSDTX928
X327	DAF FLOAT COLLECTION - FIXED ROOF TANK	21262, PSDTX928
X328	MICS. ORGANICS - FIXED ROOF TANK	21262, PSDTX928
X330SM	TANK X - 330 SUMP	21262, PSDTX928

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

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization**</b>
X330	WASTEWATER COLLECTION TANK - FIXED ROOF	21262, PSDTX928

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

**Alternative Requirement**

**Alternative Requirement .....580**

**Shell Deer Park Refining Company**

A Division of Shell Oil Products Company



P. O. Box 100  
Deer Park, TX 77536

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

# 7002 0860 0005 4964 0645

April 21, 2005

William Honker, P.E.  
Air Toxics and Inspection Coordination Branch (6EN-A)  
Compliance Assurance and Enforcement Division  
U.S. Environmental Protection Agency Region 6  
1445 Ross Avenue  
Dallas, TX 75202

**RE: Shell Deer Park Refinery Fluidized Catalytic Cracking Unit (FCCU)  
Response to EPA Summary Document on Opacity Alternative Monitoring  
Plan (AMP) for NSPS Subpart J and 40 CFR 63 Subpart UUU, and  
Amendment to Opacity AMP to include Redundant Parameters**

Dear Sirs:

Deer Park Refinery Limited Partnership (DPRLP) is submitting this letter in response to the summary conference call document on its Opacity AMP, sent to DPRLP by Jonathan York of EPA Region 6, following the conference call on March 10, 2005. In addition, this letter includes an amendment request to incorporate redundant parameters to the Opacity AMP.

Per the conversation with Mr. York, EPA Region 6 will reply to this submittal via two separate correspondences. The first correspondence will be an approval letter for the DPRLP Opacity AMP and should be available in the near future. However, the second correspondence relating to the Opacity AMP amendment request will not be available until a review is complete. During the review period and prior to an EPA response, DPRLP will assume compliance with the Opacity AMP as proposed in the amendment request to incorporate redundant parameters.

Response to summary conference call document

DPRLP provides the following responses to the EPA summary conference call document, include for reference in Appendix A.

Item 1:

The Opacity AMP parameter of "Liquid Side Pressure at the Quench Nozzles" should be corrected to state "Liquid Side Pressure Drop at the Quench Nozzles". This change to include the word "drop" is necessary to indicate that the Opacity AMP parameter is monitoring the pressure drop between the quench nozzles and the quench section of the wet gas scrubber (WGS) and not just the pressure at the quench nozzles. In addition, each Opacity AMP parameter should be represented as below to clarify the compliance level criteria.

- 1) Liquid Side Pressure at the Filter Module nozzles at a minimum of 36 pounds per square inch gage (psig)
- 2) Liquid Side Pressure Drop at the Quench nozzles at a minimum of 23 psig
- 3) Flue Gas Pressure Drop across the inlet of the filter modules to the outlet of the Cyclolabs at a minimum of 4.0 inches of water (in of H<sub>2</sub>O)

Besides these changes, DPRLP concurs with the information and conclusion in Item 1.

Item 2:

DPRLP concurs with the information and conclusion in Item 2.

Item 3:

DPRLP concurs with the information and conclusion in Item 3.

Item 4:

DPRLP concurs with the information and conclusion in Item 4.

Item 5:

As requested in Item 5, DPRLP is providing the CO, CO<sub>2</sub> and O<sub>2</sub> analyzer information below and the block flow diagram of the FCCU in Appendix B.

a) CO analyzer

Manufacturer: Horiba  
Model: VIA-510  
S/N: 42371480012

b) CO<sub>2</sub> analyzer

Manufacturer: Horiba  
Model: VIA-510  
S/N: 40736810031

c) O<sub>2</sub> analyzer

Manufacturer: Teledyne  
Model: Insta-Trans  
S/N: 224163

Additional Comments:

DPRLP was informed that the Opacity AMP parameters are not emissions, therefore Excess Emission Reporting requirements were not applicable. However, the Opacity AMP parameters can result in Title V deviations if a parameter falls below the established minimum compliance level. DPRLP is requesting confirmation from EPA Region 6 regarding its understanding of this matter.



Amendment to Opacity AMP

With the WGS in operation for the past year, DPRLP discovered that the pressure taps used to monitor each Opacity AMP parameter could plug, resulting in pressure readings below the Opacity AMP parameter compliance levels. Yet, the WGS was still operating under normal conditions. Given this possible scenario of plugged pressure taps resulting in false pressure readings, it is critical that redundant parameters are available when plugging of the pressure taps occurs. Therefore, DPRLP is amending the Opacity AMP to include a redundant parameter for each Opacity AMP parameter. By monitoring the redundant parameters in addition to the Opacity AMP parameters, if any Opacity AMP parameter falls below its compliance level, the redundant parameter will be used to determine compliance. With the redundant parameter at or above its compliance level, DPRLP will remain in compliance with the Opacity AMP. Below are the amendments to the Opacity AMP parameters.

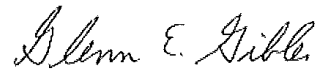
- 1) Liquid Side Pressure at the Filter Module nozzles at a minimum of 36 pounds per square inch gage (psig) and a redundant parameter on the Pump Pressure for the Filter Module nozzles at a minimum of 58 psig.
- 2) Liquid Side Pressure Drop at the Quench nozzles at a minimum of 23 psig and a redundant parameter on the Pump Pressure for the Quench nozzles at a minimum of 31 psig.
- 3) Flue Gas Pressure Drop across the inlet of the filter modules to the outlet of the Cyclolabs at a minimum of 4.0 inches of water (in of H<sub>2</sub>O) and a redundant parameter on the WGS stack gas flow rate, wet basis, at a minimum of 6779 Mscfh.

The proposed compliance level for each individual redundant parameter was determined by direct correlation with the Opacity AMP parameters. Appendix C provides the minute by minute redundant parameter data during the initial compliance test, and the table below provides a summary of the proposed compliance level of the redundant parameters and the initial compliance data of the redundant parameters collected on February 17<sup>th</sup> and 18<sup>th</sup>, 2004.

<b>Redundant Parameters</b>	<b>Propose compliance level for redundant parameters</b>	<b>Redundant parameters during initial compliance test</b>
Pump pressure for Filter Module Nozzles (psig)	58	78
Pump pressure for Quench Nozzles (psig)	31	43
Wet stack flow rate, wet basis (Mscfh)	6779	10846

If there are any questions, please contact Thomas Ng at 713-246-1485.

Sincerely,

A handwritten signature in cursive script that reads "Glenn E. Gibler".

Glenn Gibler  
Manager, Environmental Compliance and Assurance  
Deer Park Refining Services Company  
Agent for Shell Deer Park Refining Company

Attachments

cc: w/attachments

Mr. Robert Mann  
Regulatory Compliance Section of Compliance Support Division  
Texas Commission on Environmental Quality  
MC 178  
P.O. Box 13087  
Austin, TX 78711-3087

Appendix A

**Alternative Monitoring Plan (AMP) Request** 03/15/2005  
Dated July 2, 2002

**DRAFT**

**SUMMARY OF CONFERENCE CALL ON 03/10/2005 - FCCU WGS AMP REQUEST**

**Shell Deer Park Refining Company**  
Deer Park Refining Limited Partnership (DPRLP)  
P.O. Box 100  
Deer Park, Texas 77536

On March 10, 2005, Thomas Ng (Shell Deer Park Refining Company @ Deer Park, Texas) held a conference call with Jonathan York (EPA Region 6 @ Dallas, TX) to discuss and resolve certain significant features of Shell Deer Park's proposed alternative monitoring plan (AMP) for the wet gas scrubber (WGS) installed and made operational on Shell's fluid catalytic cracking unit (FCCU). The following summary documents the conference call:

1. AMP and Excess Emission Report (EER) Compliance Level Criteria:

A. In its FCCU WGS operational parameter data response letter, dated April 6, 2004, Shell Deer Park requested that the compliance level criteria for EERs be set at the following WGS operational parameter numerical values:

Liquid Side Pressure  
at the Filter Module Nozzles = **36** pounds per square inch, gage (psig)  
Flue Gas Pressure Drop,  
across the inlet of the filter modules  
to the outlet of the Cyclolabs = **4.0** inches of Water (in. of H<sub>2</sub>O)  
Liquid Side Pressure  
at the Quench Nozzles = **23** pounds per square inch, gage (psig)

B. In its original FCCU WGS AMP request letter, dated July 2, 2002, Shell Deer Park provided the following design data for the WGS operational parameter numerical values:

Liquid Side Pressure  
at the Filter Module Nozzles = **51** pounds per square inch, gage (psig)  
Flue Gas Pressure Drop,  
across the inlet of the filter modules  
to the outlet of the Cyclolabs = **7.3** inches of Water (in. of H<sub>2</sub>O)  
Liquid Side Pressure  
at the Quench Nozzles = **28** pounds per square inch, gage (psig)

\\Conference Call 03-10-2005\\Conference Call with Thomas Ng 03-10-2005.wpd

C. In its FCCU WGS operational parameter data response letter, dated April 6, 2004, Shell Deer Park provided the following FCCU Particulate Matter (PM) performance test related data for the WGS operational parameter numerical values:

Liquid Side Pressure  
at the Filter Module Nozzles = averaged\* 48 pounds per square inch, gage (psig)  
Flue Gas Pressure Drop,  
across the inlet of the filter modules  
to the outlet of the Cyclolabs = averaged\* 6.4 inches of Water (in. of H<sub>2</sub>O)  
Liquid Side Pressure  
at the Quench Nozzles = averaged\* 32 pounds per square inch, gage (psig)

\* FCCU Particulate Matter (PM) performance test data - average of three runs conducted 02/17 and 02/18/2004 - in test report dated February 2004, submitted 03/23/2004.

D. The corresponding percentages for the proposed EER compliance level criteria values, expressed as a percentage of the WGS parameter values recorded during the February 2004 PM performance test are:

Liquid Side Pressure  
at the Filter Module Nozzles =  $(36/48) \times 100 = 75\%$   
Flue Gas Pressure Drop,  
across the inlet of the filter modules  
to the outlet of the Cyclolabs =  $(4.0/6.4) \times 100 = 62.5\%$   
Liquid Side Pressure  
at the Quench Nozzles =  $(23/32) \times 100 = 72\%$

E. For FCCU WGS AMP requests in the past, EPA Region 6 has approved percentages for the proposed EER compliance level criteria values, expressed as a percentage of the WGS parameter values recorded during the most recent PM performance test, in the range of 80% to 70%.

#### CONCLUSION:

Proposed EER compliance level criteria value percentages for two of the three WGS operational parameters are within the traditionally accepted EPA Region 6 range (80% to 70%) and one is a relatively small amount below 70%. Therefore, Jonathan York (EPA Region 6) indicated to Thomas Ng (Shell Deer Park Refining Company) that the proposed EER compliance level criteria values are acceptable. Final acceptance is pending review by the Chief of the Air/Toxics and

Inspection Coordination Branch (6EN-A) of EPA Region 6.

2. FCCU Regenerator Flue Gas Constituent (Oxygen, Carbon Dioxide, and Carbon Monoxide) Sampling and Analysis Methodology and Procedures:

A. In letters dated 01/16/2004 and 01/23/2004, Shell Deer Park request to use its own coke burn-off rate data collection, analysis, and calculation procedures as an alternative to the EPA calculation procedures in NSPS Part 60, Subpart J at § 60.106(b)(3) (or in the alternative, NESHAP Part 63, Subpart UUU at § 63.1564(b)(4)(i)). FCCU WGS emission testing, including determination of Particulate Matter (PM) emission rates, was conducted on 02/17 and 02/18/2004. The FCCU WGS stack test report was submitted to TCEQ and EPA Region 6 on 03/23/2004.

B. Shell Deer Park reported the following PM results in the 03/23/2004 test report:

FCCU Feedstock Rate (barrels per day, a.k.a. bpd):

Test Run # 2 = 70,010 bpd  
Test Run # 3 = 69,970 bpd  
Test Run # 4 = 70,020 bpd

Average (3 run) Value = **70,000 bpd**

Note: 70,000 bpd was the maximum feedstock rate of the FCCU at the time of the test.

Coke Burn-off Rate (pounds per hour, a.k.a. lb/hr):

Test Run # 2 = 49,040 lb/hr  
Test Run # 3 = 49,100 lb/hr  
Test Run # 4 = 49,320 lb/hr

Average (3 run) Value = **49,150 lb/hr**

Note: Values determined by Shell Deer Park's own coke burn-off rate data collection, analysis, and calculation procedures.

PM Emission Concentration (grains per dry standard cubic foot, a.k.a. gr/dscf)

Test Run # 2 = 0.0133 gr/dscf  
Test Run # 3 = 0.0128 gr/dscf  
Test Run # 4 = 0.0129 gr/dscf

Note: Values determined by performance testing data collection, analysis, and calculation procedures of NSPS Part 60, Subpart J at § 60.106(b)(2).

PM Emission Rate (pounds PM per ton of coke burn-off, a.k.a. lb PM/ton of coke burn-off):

Test Run # 2 = 0.79 lb PM/ton of coke burn-off

Test Run # 3 = 0.75 lb PM/ton of coke burn-off

Test Run # 4 = 0.76 lb PM/ton of coke burn-off

Average (3 run) Value = **0.77 lb PM/ton of coke burn-off**

PM Limit = 1.0 kg/Mg (2.0 lb/ton) of coke burn-off in the catalyst regenerator (see 40 CFR § 60.102(a)(1)).

Note: Values of coke burn-off rate determined by Shell Deer Park's own coke burn-off rate data collection, analysis, and calculation procedures, as an alternative to the EPA calculation procedures in NSPS Part 60, Subpart J at § 60.106(b)(3).

C. Petroleum refineries have encountered difficulties in ensuring that a reliable flow metering device will consistently measure FCCU regenerator flue gas flow rate (Qr) directly, on an on-going basis, without failure in service. It was determined that a direct measurement device may not survive for long term monitoring in the severe conditions within the FCCU regenerator flue gas stream. Refinery operators recommended to EPA Headquarters to adopt an alternative methodology for determining regenerator flue gas flow rate (Qr) that would not require the direct measurement of the flue gas flow rate.

D. EPA Headquarters had already included an alternative methodology and procedure for determining the flue gas flow rate for a catalytic cracking unit's catalyst regenerator in the Federal Register (FR) promulgation of NESHAP Part 63, Subpart UUU on April 11, 2002 (see 40 CFR § 63.1573(a), dated 04/11/2002). However, on February 9, 2005, EPA Headquarters published a proposal (see 70 FR 6930, dated 02/09/2005) in the FR to amend 40 CFR § 63.1573(a) by splitting it into two parts: § 63.1573(a)(1) and § 63.1573(a)(2). 40 CFR § 63.1573(a)(1) includes the original alternative flue gas flow rate (Qr) determination methodology published on April 11, 2002 and 40 CFR § 63.1573(a)(2) includes the newly added second alternative flue gas flow rate (Qr) determination methodology.

E. On December 7, 2004, Shell Deer Park proposed to retract the use of its own coke burn-off rate data collection, analysis, and calculation procedures. Also on December 7, 2004, Shell Deer Park essentially requested EPA approval to use the newly added second alternative flue gas flow rate (Qr) determination methodology that was proposed by EPA



as 40 CFR § 63.1573(a)(2) in the FR on 02/09/2005. Shell Deer Park also proposed on December 7, 2004 to use EPA's coke burn-off rate data analysis and calculation procedures, stated in NESHAP Part 63, Subpart UUU at § 63.1564(b)(4)(i), to determine the coke burn-off rates that occurred during the 02/17 to 02/18/2004 PM performance tests.

F. Using the original Particulate Matter (PM) concentrations recorded during the performance test conducted on 02/17 to 02/18/2004, Shell Deer Park re-calculated the coke burn-off rates and the PM emission rates (in units of lb PM/ton of coke burn-off) and submitted the results on December 7, 2004:

Coke Burn-off Rate (pounds per hour, a.k.a. lb/hr):

Test Run # 2 = 47,550 lb/hr (previously 49,040 lb/hr)  
Test Run # 3 = 47,630 lb/hr (previously 49,100 lb/hr)  
Test Run # 4 = 47,730 lb/hr (previously 49,320 lb/hr)

Average (3 run) Value = **47,640 lb/hr** (previously 49,150 lb/hr)

Note: Revised values determined by second alternative flue gas flow rate (Q<sub>r</sub>) determination methodology proposed by EPA as 40 CFR § 63.1573(a)(2) in the FR on 02/09/2005 and EPA's coke burn-off rate data analysis and calculation procedures, stated in NESHAP Part 63, Subpart UUU at § 63.1564(b)(4)(i).

PM Emission Rate (pounds PM per ton of coke burn-off, a.k.a. lb PM/ton of coke burn-off):

Test Run # 2 = 0.82 lb PM/ton of coke burn-off  
(previously 0.79 lb PM/ton of coke burn-off)  
Test Run # 3 = 0.77 lb PM/ton of coke burn-off  
(previously 0.75 lb PM/ton of coke burn-off)  
Test Run # 4 = 0.79 lb PM/ton of coke burn-off  
(previously 0.76 lb PM/ton of coke burn-off)

Average (3 run) Value = **0.79 lb PM/ton of coke burn-off**  
(previously 0.77 lb PM/ton of coke burn-off)

PM Limit = 1.0 kg/Mg (2.0 lb/ton) of coke burn-off in the catalyst regenerator (see 40 CFR § 60.102(a)(1)).

### CONCLUSION:

Comparison of the coke burn-off rate results determined by the two different methodologies and procedures indicates that the values are relatively close. Additionally, the second set of coke burn-off rate values are consistently lower than the first set. Lower coke burn-off rate values compute to higher PM emission rate values. However, the second set of PM emission rate values are relatively close to the first set of PM emission rate values. Therefore, Jonathan York (EPA Region 6) indicated to Thomas Ng (Shell Deer Park Refining Company) that the coke burn-off rate values and the PM emission rate values proposed on 12/07/2004 are acceptable. Final acceptance is pending review by the Chief of the Air/Toxics and Inspection Coordination Branch (6EN-A) of EPA Region 6.

#### 3. Excess Emission Report (EER) Data Analysis Averaging Time:

A. NSPS Part 60, Subpart J does not have a required averaging time for the analysis of PM emission rate data, because there are no corresponding recordkeeping and reporting requirements for PM monitoring in this rule. For the approval of an averaging time for the monitored parameter values for a FCCU WGS PM continuous parameter monitoring system (CPMS), EPA Region 6 has approved various data analysis averaging times for preparation of EERs, usually 6 minutes, one (1) hour, or three (3) hours.

B. Currently, the EPA Region 6 preferred averaging time is three (3) hours. This roughly corresponds to the usual length of time to conduct a FCCU WGS PM performance test. Also, the 3 hour averaging time is on a "block" basis, not a "rolling average" basis.

### CONCLUSION:

Jonathan York (EPA Region 6) indicated to Thomas Ng (Shell Deer Park Refining Company) that a FCCU WGS PM CPMS monitored parameter values data analysis averaging time for preparation of EERs at the Deer Park Refinery of three (3) hours on a "block" basis would be acceptable. Final acceptance is pending review by the Chief of the Air/Toxics and Inspection Coordination Branch (6EN-A) of EPA Region 6.

#### 4. Direct Measurement of Air and Oxygen Input Rates into the FCCU's Regenerator:

A. Since the Deer Park Refinery's FCCU uses Oxygen Enrichment to boost its feedstock handling and production rate capacities, the air supply rate ( $Q_a$ ) and the Oxygen supply rate ( $Q_{oxy}$ ) have to be measured and the resulting values entered into the calculation methodology for determination of the coke burn-off rate ( $R_c$ ). See Equation 1 at 40 CFR 63.1564(b)(4)(i) of NESHAP Part 63, Subpart UUU.

B. Shell Deer Park directly measures the Oxygen supply rate (Qoxy) and directly measures the combined total of the air supply rate (Qa) and the Oxygen supply rate (Qoxy). Then Shell Deer Park subtracts the measured Oxygen supply rate (Qoxy) from the total to compute the air supply rate (Qa).

**CONCLUSION:**

Jonathan York (EPA Region 6) indicated to Thomas Ng (Shell Deer Park Refining Company) that Shell Deer Park's method of determining values for the FCCU regenerator's Oxygen supply rate (Qoxy) and air supply rate (Qa) would be acceptable. Final acceptance is pending review by the Chief of the Air/Toxics and Inspection Coordination Branch (6EN-A) of EPA Region 6.

5. Sampling and Data Analysis of FCCU Flue Gas Stream Constituents (O<sub>2</sub>, CO<sub>2</sub>, and CO):

Since the Shell's Deer Park Refinery essentially requested in its letter dated 12/07/2004 to use the newly added second alternative flue gas flow rate (Qr) determination methodology that was proposed by EPA as 40 CFR § 63.1573(a)(2) in the FR on 02/09/2005, identification of the means of sampling and data analysis of FCCU flue gas stream constituents (O<sub>2</sub>, CO<sub>2</sub>, and CO) is needed. Shell Deer Park indicated in its letter, dated 01/23/2004, that the FCCU regenerator flue is equipped with gas analyzers that measure and record O<sub>2</sub>, CO<sub>2</sub>, and CO. To date, the location of the sampling and the methodology and procedures of determining the gas stream constituents has not been submitted.

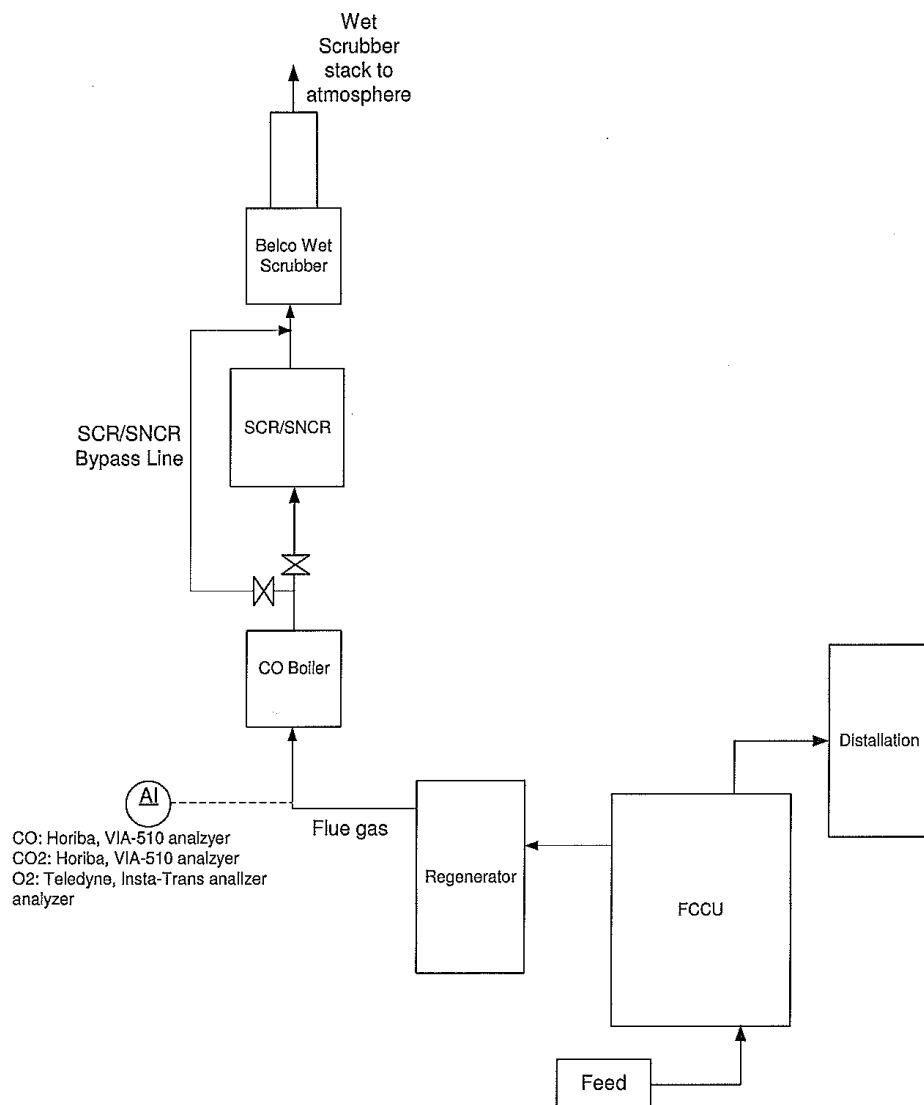
**CONCLUSION:**

Jonathan York (EPA Region 6) indicated to Thomas Ng (Shell Deer Park Refining Company) that the information mentioned above needs to be sent to TCEQ and EPA Region 6. Also, EPA Region 6 does not have any schematics and drawings on file for the FCCU (including its regenerator), the Carbon Monoxide (CO) boiler, and the WGS. EPA Region 6 needs confirmation that the WGS underwent "startup" on 12/18/2003.

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Appendix B



Appendix C

Time (GMT-06:00) Central Time (US & Canada)	Pump Pressure for Filter Modules nozzles (psig) PSIG	Pump Pressure for the Quench nozzles (psig) PSIG	WGS stack gas flow rate, wet basis (Mscfh) Mscfh
2/17/2004 15:05	78.12862	43.5064	10849.93
2/17/2004 15:06	78.14126	43.4533	10929.51
2/17/2004 15:07	78.96872	43.3543	10869.98
2/17/2004 15:08	78.95352	43.2528	10875.46
2/17/2004 15:09	79.05017	43.6771	10864.03
2/17/2004 15:10	79.075	43.4308	10891.74
2/17/2004 15:11	77.90875	43.3084	10915.58
2/17/2004 15:12	78.2414	43.488	10870.86
2/17/2004 15:13	78.92863	43.3231	10910.92
2/17/2004 15:14	77.87256	43.6288	10854.71
2/17/2004 15:15	77.89644	43.4841	10751.7
2/17/2004 15:16	77.93087	43.4929	10894.45
2/17/2004 15:17	78.22565	43.2702	10895.9
2/17/2004 15:18	78.11944	43.3634	10855.31
2/17/2004 15:19	78.98183	43.4065	10846.59
2/17/2004 15:20	79.03261	43.4494	10803.1
2/17/2004 15:21	78.08491	43.5124	10825.49
2/17/2004 15:22	79.06321	43.4827	10855.59
2/17/2004 15:23	79.13043	43.3271	11009.67
2/17/2004 15:24	79.04769	43.2828	10772.21
2/17/2004 15:25	79.18076	43.2979	10812.96
2/17/2004 15:26	79.032	43.4841	10860.86
2/17/2004 15:27	79.07588	43.3729	10884.81
2/17/2004 15:28	79.07868	43.3049	10845.43
2/17/2004 15:29	77.95818	43.3662	10956.69
2/17/2004 15:30	78.00459	43.3554	10781.12
2/17/2004 15:31	78.18426	43.4349	10911.96
2/17/2004 15:32	77.93566	43.3454	10817.03
2/17/2004 15:33	78.94057	43.3888	10948.52
2/17/2004 15:34	77.94241	43.2949	10848.42
2/17/2004 15:35	78.01185	43.3666	10842.26
2/17/2004 15:36	78.01672	43.2635	10755.2
2/17/2004 15:37	79.06082	43.3375	10868.38
2/17/2004 15:38	78.34613	43.5188	10851.2
2/17/2004 15:39	79.08571	43.3671	10836.59
2/17/2004 15:40	79.1132	43.4643	10881.9
2/17/2004 15:41	78.05714	43.4853	10894.42
2/17/2004 15:42	77.9828	43.4083	10815.2
2/17/2004 15:43	78.0471	43.3711	10865.33
2/17/2004 15:44	79.20401	43.5719	10816.48
2/17/2004 15:45	79.04469	43.3313	10815.96
2/17/2004 15:46	77.90217	43.3943	10831.68
2/17/2004 15:47	78.11131	43.3759	10915.43
2/17/2004 15:48	78.24584	43.2866	10833.45
2/17/2004 15:49	78.09065	43.4855	10689.7
2/17/2004 15:50	79.12872	43.346	10934.33

2/17/2004 15:51	79.03265	43.5195	10900.92
2/17/2004 15:52	78.02265	43.5518	10885.45
2/17/2004 15:53	79.16988	43.4182	10853.33
2/17/2004 15:54	78.21844	43.1035	10751.9
2/17/2004 15:55	78.09302	43.2477	10897.24
2/17/2004 15:56	79.1644	43.3635	10842.77
2/17/2004 15:57	79.12129	43.3565	10825.33
2/17/2004 15:58	79.18445	43.3806	10890.67
2/17/2004 15:59	78.03096	43.3839	10784.79
2/17/2004 16:00	78.8064	43.4165	10953.47
2/17/2004 16:01	77.97033	43.2825	10787.95
2/17/2004 16:02	77.97492	43.3408	10961.16
2/17/2004 16:03	77.95408	43.2338	10912.76
2/17/2004 16:04	78.0822	43.3095	10853.32
2/17/2004 16:05	78.1603	43.3274	10988.33
2/17/2004 16:06	78.1708	43.5127	10775.93
2/17/2004 16:07	78.01121	43.3913	10851.36
2/17/2004 16:08	78.18932	43.4009	10912.36
2/17/2004 16:09	78.26543	43.384	10795.35
2/17/2004 16:10	77.99466	43.3655	10851.27
2/17/2004 16:11	78.06194	43.3978	10784.86
2/17/2004 16:13	77.94419	43.2921	10794.04
2/17/2004 16:14	77.87319	43.2784	10803.22
2/17/2004 16:15	78.97369	43.3567	10826.5
2/17/2004 16:16	79.11215	43.3342	10816.64
2/17/2004 16:17	78.20054	43.3051	10867.33
2/17/2004 16:18	78.64139	43.2279	10808.66
2/17/2004 16:19	79.0802	43.4197	10886.56
2/17/2004 16:20	79.1648	43.4165	10803.1
<b>Avg. of Run 2</b>	<b>78.4831072</b>	<b>43.384432</b>	<b>10832.63</b>
2/17/2004 16:55	78.01803	43.2769	10907.81
2/17/2004 16:56	77.83274	43.3026	10895.53
2/17/2004 16:57	78.32074	43.326	10786.06
2/17/2004 16:58	78.27526	43.3207	10909.78
2/17/2004 16:59	77.9552	43.3241	10978.48
2/17/2004 17:00	79.16529	43.547	10772.69
2/17/2004 17:01	79.21287	43.459	10869.77
2/17/2004 17:02	79.12494	43.4183	10818.39
2/17/2004 17:03	79.05747	43.2881	10815.71
2/17/2004 17:04	78.9938	43.1953	10773.29
2/17/2004 17:05	78.99185	43.2076	10892.52
2/17/2004 17:06	77.82744	43.327	10802.16
2/17/2004 17:07	79.03212	43.2642	10798.36
2/17/2004 17:08	78.98537	43.5134	10874.9
2/17/2004 17:09	79.09773	43.4363	10806.57
2/17/2004 17:10	79.01783	43.5329	10812.9
2/17/2004 17:11	78.96605	43.3064	10858.81
2/17/2004 17:12	79.05085	43.3646	10821.13
2/17/2004 17:13	78.99286	43.2715	10870.96
2/17/2004 17:14	78.26759	43.4799	10840.52
2/17/2004 17:15	78.11249	43.2665	10798.69

2/17/2004 17:16	78.56866	43.3838	10842.34
2/17/2004 17:17	79.12332	43.2193	10779.04
2/17/2004 17:18	79.08312	43.2852	10840.33
2/17/2004 17:19	78.05114	43.4302	10836.29
2/17/2004 17:20	78.08778	43.1238	10750.05
2/17/2004 17:21	78.31392	43.328	10849.89
2/17/2004 17:22	78.08607	43.3439	10777.33
2/17/2004 17:23	79.02359	43.3531	10762.64
2/17/2004 17:24	77.95927	43.4664	10893.99
2/17/2004 17:25	77.98553	43.2973	10761.3
2/17/2004 17:26	78.22744	43.4246	10852.19
2/17/2004 17:27	77.62709	43.3618	10811.26
2/17/2004 17:28	77.92347	43.294	10806.24
2/17/2004 17:29	77.82587	43.2799	10744.29
2/17/2004 17:30	78.07562	43.3074	10788.34
2/17/2004 17:31	77.91292	43.217	10818.18
2/17/2004 17:32	78.91575	43.3197	10787.62
2/17/2004 17:33	79.00583	43.2848	10899.37
2/17/2004 17:34	78.02663	43.3507	10796.76
2/17/2004 17:35	78.07589	43.382	10879.07
2/17/2004 17:36	79.00536	43.2041	10979.62
2/17/2004 17:37	77.97257	43.2913	10837.86
2/17/2004 17:38	78.25211	43.3404	10854.75
2/17/2004 17:39	77.87712	43.2892	10814.99
2/17/2004 17:40	78.13565	43.3557	10860.56
2/17/2004 17:41	77.89763	43.3076	10939.83
2/17/2004 17:42	78.20756	43.2981	10828.24
2/17/2004 17:43	77.8569	43.2839	10773.22
2/17/2004 17:44	78.97699	43.2875	10883.09
2/17/2004 17:45	79.0893	43.2371	10916.73
2/17/2004 17:46	78.85733	43.5613	10877.22
2/17/2004 17:47	78.17445	43.3271	10859.39
2/17/2004 17:48	78.22734	43.3182	10919.56
2/17/2004 17:49	78.25936	43.3208	10821
2/17/2004 17:50	78.10122	43.3323	10954.45
2/17/2004 17:51	78.11911	43.2925	10864.06
2/17/2004 17:52	77.88745	43.3947	10886.8
2/17/2004 17:53	77.89943	43.3953	10925.08
2/17/2004 17:54	77.95791	43.3517	10849.9
2/17/2004 17:55	77.92799	43.2523	10851.04
2/17/2004 17:56	78.03961	43.3271	10839.53
2/17/2004 17:57	79.08571	43.262	10835.69
2/17/2004 17:58	79.09999	43.3744	10902.1
2/17/2004 17:59	79.20336	43.4929	10890.7
2/17/2004 18:00	78.34147	43.4499	10906.8
2/17/2004 18:01	79.06568	43.4576	10876.51
2/17/2004 18:02	79.14022	43.347	10830.2
2/17/2004 18:03	79.19308	43.4111	10814.9
2/17/2004 18:04	77.98492	43.4686	10844.24
2/17/2004 18:05	77.77067	43.3388	10852.44
<b>Avg. of Run 3</b>	<b>78.44795662</b>	<b>43.34157324</b>	<b>10846.08521</b>

2/18/2004 15:12	77.99824	43.5794	10821.26
2/18/2004 15:13	79.1084	43.4755	10862.99
2/18/2004 15:14	79.01916	43.5678	10827.71
2/18/2004 15:15	79.13883	43.6138	10856.35
2/18/2004 15:16	78.08064	43.5563	10806.57
2/18/2004 15:17	78.05719	43.6179	10790.66
2/18/2004 15:18	78.05559	43.5391	10828.45
2/18/2004 15:19	77.92138	43.6233	10859.17
2/18/2004 15:20	77.88483	43.5483	10797.12
2/18/2004 15:21	78.55449	43.4972	10808.37
2/18/2004 15:22	79.10238	43.6685	10828.07
2/18/2004 15:23	79.1377	43.6073	10834.59
2/18/2004 15:24	79.17237	43.5635	10890.97
2/18/2004 15:25	79.13699	43.437	10803.73
2/18/2004 15:26	79.20331	43.537	10852.53
2/18/2004 15:27	77.98078	43.571	10868.2
2/18/2004 15:28	78.02223	43.634	10839.65
2/18/2004 15:29	79.10688	43.3788	10943.41
2/18/2004 15:30	79.00647	43.5302	10943.08
2/18/2004 15:31	78.90405	43.536	10867.35
2/18/2004 15:32	77.97875	43.6942	10841.4
2/18/2004 15:33	78.07597	43.7097	10898.76
2/18/2004 15:34	78.24716	43.339	10799.2
2/18/2004 15:35	79.13039	43.4252	10915.45
2/18/2004 15:36	79.1584	43.5372	10865.95
2/18/2004 15:37	79.10461	43.6114	10852.34
2/18/2004 15:38	77.8787	43.6107	10820.37
2/18/2004 15:39	78.6922	43.5369	10935.68
2/18/2004 15:40	78.09739	43.6686	10867.11
2/18/2004 15:41	79.10083	43.4136	10804.09
2/18/2004 15:42	78.95282	43.5824	10830.49
2/18/2004 15:43	79.0608	43.49	10845.39
2/18/2004 15:44	77.8757	43.5904	10839.27
2/18/2004 15:45	79.14056	43.5116	10910
2/18/2004 15:46	77.97269	43.5236	10813.21
2/18/2004 15:47	77.94352	43.5709	10874.69
2/18/2004 15:48	78.10146	43.4235	10882.12
2/18/2004 15:49	77.75206	43.5322	10850.55
2/18/2004 15:50	78.1888	43.7443	10822.87
2/18/2004 15:51	79.06507	43.6056	10929.61
2/18/2004 15:52	79.11813	43.5448	10798.51
2/18/2004 15:53	78.07523	43.5269	10926.11
2/18/2004 15:54	77.79559	43.5579	10873.78
2/18/2004 15:56	79.14261	43.7009	10888.89
2/18/2004 15:57	78.82003	43.4567	10897.18
2/18/2004 15:58	78.96783	43.5397	10812.37
2/18/2004 15:59	79.12411	43.5471	10873.94
2/18/2004 16:00	78.82577	43.523	10813.78
2/18/2004 16:01	78.2913	43.5865	10873.05
2/18/2004 16:02	78.33982	43.4803	10827.03
2/18/2004 16:03	78.98252	43.5066	10818.72
2/18/2004 16:04	77.99543	43.5249	10884.85



2/18/2004 16:05	78.13503	43.6407	10843.19
2/18/2004 16:06	78.96088	43.4943	10862.14
2/18/2004 16:07	78.50506	43.3886	10876.58
2/18/2004 16:08	77.90231	43.4906	10853.04
2/18/2004 16:09	77.9676	43.6394	10890.7
2/18/2004 16:10	78.13582	43.5531	10865.82
2/18/2004 16:11	78.07103	43.401	10887.88
2/18/2004 16:12	78.15508	43.7513	10868.99
2/18/2004 16:13	78.9607	43.5242	10889.58
2/18/2004 16:14	77.84759	43.4536	10920.85
2/18/2004 16:15	78.26357	43.4196	10893.82
2/18/2004 16:16	79.00996	43.5919	10906.06
2/18/2004 16:17	77.62129	43.5151	10838.05
2/18/2004 16:18	78.12087	43.5214	10870.39
2/18/2004 16:19	77.94676	43.5061	10871.97
2/18/2004 16:20	77.69586	43.6083	10902.08
2/18/2004 16:21	77.9389	43.623	10831.93
2/18/2004 16:22	79.06973	43.4339	10879.28
2/18/2004 16:23	79.06123	43.6764	10898.66
2/18/2004 16:24	78.02088	43.6925	10827.69
2/18/2004 16:25	78.00215	43.5541	10864.54
<b>Avg. of Run 4</b>	<b>78.47918438</b>	<b>43.55037397</b>	<b>10859.66236</b>

	Pump Pressure for Filter Modules nozzles (psig)	Pump Pressure for the Quench nozzles (psig)	WGS stack gas flow rate, wet basis (Mscfh)
<b>Avg. of the three runs</b>	<b>78</b>	<b>43</b>	<b>10846</b>



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

**MAY 31 2007**

Glenn Gibler, Manager  
Environmental Compliance and Assurance  
Deer Park Refining Services  
Shell Deer Park Refining Company  
Deer Park Refinery Limited Partnership (DPRLP)  
P.O. Box 100  
Deer Park, Texas 77536

Re: Request for Approval  
Alternative Monitoring Plan (AMP)  
Fluid Catalytic Cracking Unit (FCCU)  
Wet Gas Scrubber (WGS) Opacity Interference  
Consent Decree No. H-01-0978  
NSPS Part 60, Subpart J and A  
NESHAP Part 63, Subpart UUU and A  
TCEQ Account No. HG-0659-W  
CN601542012 and RN100211879

Dear Mr. Gibler:

In its request letter, dated July 2, 2002, Shell Deer Park Refining Limited Partnership ("Shell Deer Park Refinery") requested approval, pursuant to the requirements of the Consent Decree (Civil Action Number H-01-0978, lodged March 21, 2001, entered August 21, 2001) of an Alternative Monitoring Plan (AMP) for a wet gas scrubber (WGS). The WGS is an air emission control device for Shell Deer Park Refinery's Fluid Catalytic Cracking Unit (FCCU) Regenerator, emission point number (EPN) H600. Based on our review of the submitted information, EPA Region 6 is hereby approving Shell Deer Park Refinery's AMP request, subject to the terms and conditions stated herein and in the Enclosures to this letter.

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According to Paragraph 23(a) of the Consent Decree, New Source Performance Standards (NSPS) Part 60, Subpart J and A requirements for relevant pollutants became applicable to Shell Deer Park's FCCU Regenerator upon dates specified in the Consent Decree. For Particulate Matter, the date of NSPS Subpart J applicability was stated as December 31, 2003. For Opacity, the date of NSPS Subpart J applicability was stated as the date of Consent Decree lodging, which was March 21, 2001. Furthermore, Paragraph 20 of the Consent Decree required the installation and operation of a WGS on Shell Deer Park's FCCU Regenerator no later than December 31, 2003.

As a result of the Consent Decree's provisions, Shell Deer Park's FCCU Regenerator (Flexible Permit # 21262 and Standard Permit # 50596) is subject to the Particulate Matter (PM) emission standard of 40 CFR § 60.102(a)(1) and the Opacity standard of 40 CFR § 60.102(a)(2). Furthermore, Shell Deer Park's FCCU regenerator stack is required by 40 CFR § 60.105(a)(1) to be equipped with a continuous opacity monitoring system (COMS) to measure and record Opacity values to the atmosphere at the stack. For the purpose of reporting periods of excess emissions under NSPS Part 60, Subpart A at 40 CFR § 60.7(c) and (d), excess Opacity values are defined at 40 CFR § 60.105(e)(1) on the basis of any one hour period that contains two or more 6-minute periods during which the average Opacity measured by the required COMS exceeded 30 percent.

Additionally, the Maximum Achievable Control Technology (MACT) requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP), Part 63, Subparts UUU and A are applicable to Shell Deer Park's catalytic cracking unit (CCU, a.k.a. FCCU, including the Regenerator). The compliance date for Shell Deer Park's CCU, an existing source that is an affected source under NESHAP Subpart UUU, was designated as April 11, 2005 (see 40 C.F.R. § 63.1563(b)).

The metal hazardous air pollutant (HAP) requirements of NESHAP Subpart UUU, stated at 40 C.F.R. § 63.1564(a)(1), apply to Shell Deer Park's CCU. If the CCU is also subject to the Particulate Matter and Opacity standards at 40 C.F.R. § 60.102(a), then 40 C.F.R. § 63.1564(a)(1) requires compliance with the applicable NSPS emission limitations. Accordingly, the CCU is subject to the above listed requirements for NSPS Part 60, Subparts J and A, as an enforceable metal HAP requirement of NESHAP Part 63, Subparts UUU and A.

We are approving this PM emission based alternative monitoring plan (AMP), a continuous parameter monitoring system (CPMS), as an alternative to the following applicable monitoring requirements:

1. New Source Performance Standards (NSPS) Part 60, Subpart J - continuous opacity monitoring system (COMS) required,
2. Metal hazardous air pollutant (HAP) emission monitoring under the applicable National Emission Standards for Hazardous Air Pollutants (NESHAP) Part 63, Subpart UUU - continuous opacity monitoring system (COMS) required, and

3. Shell Deer Park Refinery's Consent Decree (CD - Civil Action Number H-01-0978) - NSPS Part 60, Subpart J - continuous opacity monitoring system (COMS) required,

EPA determinations for other process units or facilities subject to NSPS Parts 60, NESHAP Parts 61 or 63, or the Consolidated Air Rule (CAR) Part 65 are to be addressed on a case-by-case basis. Also, this determination request response was coordinated with EPA's Office of Compliance and Enforcement, Air Enforcement Division (Patrick Foley) and EPA's Office of Compliance (Maria Malave) within the Office of Enforcement and Compliance Assurance (OECA) in Washington, D.C. It was also coordinated with EPA's Sector Policies and Programs Division (formally the Emission Standards Division) ((Robert Lucas - Coatings and Chemicals Group and Peter Westlin - Measurement Policy Group) and with the Air Quality and Assessment Division (AQAD), (Foston Curtis and Thomas Logan - Measurement Technology Group), all within the Office of Air Quality Planning and Standards (OAQPS) in Research Triangle Park, North Carolina.

If additional information indicates that the conditions under which this alternative monitoring plan response was developed have changed, EPA may determine that this determination is null and void. In this event, Shell Deer Park shall re-propose an alternative monitoring plan more suitable for the changed conditions.

If you have any questions about this determination response, please contact Jonathan E. York of my staff at (214) 665-7289 or by e-mail at [york.jonathan@epa.gov](mailto:york.jonathan@epa.gov).

Sincerely yours,



David Garcia  
Chief, Air/Toxics and Inspection  
Coordination Branch

Enclosures

cc: Patrick W. Foley (EPA HQ)  
Maria T. Malave (EPA HQ)  
Peter R. Westlin (EPA HQ)  
Robert B. Lucas (EPA HQ)  
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## ENCLOSURE 1

Deer Park Refining Services  
Shell Deer Park Refining Company  
Deer Park Refinery Limited Partnership (DPRLP)  
P.O. Box 100  
Deer Park, Texas 77536

### **Fluid Catalytic Cracking Unit (FCCU) - a.k.a. Catalytic Cracking Unit (CCU) *Alternative Monitoring Plan (AMP)***

#### Continuous Parameter Monitoring System (CPMS) for a Wet Gas Scrubber (WGS)

#### Summary of Approval

Shell Deer Park Refinery shall record and maintain data for key parameters for the NSPS Part 60, Subpart J based CPMS, in accordance with the recordkeeping requirements of NSPS Part 60, Subpart A at 40 CFR § 60.7(f). Records shall be maintained under 40 CFR § 60.7(f) for the following CPMS data recording items:

- FCCU operational parameters:

- Feedstock Rate
- Regenerator Air Supply Rate (Qa)
- Oxygen Enrichment Flow Rate (Qoxy)
- Oxygen Enrichment Concentration (% Oxy)
- Regenerator Exhaust Flue Gas Carbon Monoxide (% CO) Content
- Regenerator Exhaust Flue Gas Carbon Dioxide (% CO<sub>2</sub>) Content
- Regenerator Exhaust Flue Gas Oxygen (% O<sub>2</sub>) Content
- Regenerator Exhaust Flue Gas Flow Rate (Qr)
- Regenerator Coke Burn-off Rate (Rc) per 63 UUU at 40 CFR § 63.1564(b)(4)(i)

- FCCU's wet gas scrubber (WGS) operational parameter monitoring items for which deviation criteria is applicable. Shell Deer Park Refinery shall monitor and record these WGS operational parameters:

- FCCU WGS Liquid Side Pressure (at the Filter Module Nozzles)
- FCCU WGS Pressure Drop (across inlet of Filter Modules to outlet of Cyclolabs)
- FCCU WGS Liquid Side Pressure (at Quench Nozzles)

- Averaging time for determining and recording deviations:

Each 3 hour average value of each key parameter (WGS operational parameter monitoring device) shall be determined on a "block" basis as the arithmetic average of three contiguous one-hour average values during each consecutive separate three (3) hour block of time.

- Cut-off Compliance Levels for Determining and Recording Deviations:

Any parameter values that are less than the approved cut-off levels, determined on the basis of the approved averaging time (3 hours, block basis), represent and are to be reported as a deviation.

Based on the February 17 and 18, 2004 performance test data, the FCCU WGS parameter values representing the approved cut-off criteria are:

- 1) FCCU WGS Liquid Side Pressure (at the Filter Module Nozzles) = **36** pounds per square inch, gage (psig)
- 2) FCCU WGS Pressure Drop (across inlet of filter modules to outlet of Cyclolabs) = **4.0** inches of Water (in. of H<sub>2</sub>O)
- 3) FCCU WGS Liquid Side Pressure (at Quench Nozzles) = **23** pounds per square inch, gage (psig)

As alternative reporting, Shell Deer Park Refinery shall report values of key monitored WGS parameters for the NSPS Part 60, Subpart J based CPMS, in accordance with the reporting requirements of NSPS Part 60, Subpart A at 40 CFR § 60.7(c) and (d). The report submittal frequency is semi-annual, unless revised in accordance with 40 CFR § 60.7(c).

Shell Deer Park Refinery shall report values of key monitored WGS parameters using the "summary report form" shown at 40 CFR § 60.7(d). The reporting criteria at 40 CFR § 60.7(d)(1) and (2) shall be used to determine the extent of report content. A separate "summary report form" and, if required, any additional information required under 40 CFR § 60.7(c), shall be submitted in the report.

## ENCLOSURE 2

### Background, including Regulatory and Consent Decree Requirements

#### 1. Regulatory Compliance Requirements:

##### Applicable Regulations, Emission Standards and Monitoring Requirements:

*Regulation: New Source Performance Standards (NSPS)*

Part 60, Subpart J, and  
Part 60, Subpart A

*Emission Standard:*

Particulate Matter (PM) - 40 CFR § 60.102(a)(1), and  
Opacity - 40 CFR § 60.102(a)(2)

*Monitoring Requirement:*

Continuous Opacity Monitoring System (COMS)  
Part 60, Subpart J - 40 CFR § 60.105(a)(1), and  
Part 60, Subpart A - 40 CFR § 60.13(a) thru (h)

*Alternative Monitoring Plan (AMP):*

Continuous Parameter Monitoring System (CPMS)  
Part 60, Subpart A - 40 CFR § 60.13(i)

*Regulation: National Emission Standards for Hazardous Air Pollutants (NESHAP)*

Part 63, Subpart UUU, and  
Part 63, Subpart A

*Emission Standard:*

Metal HAP (surrogate: Particulate Matter (PM) and Opacity) - 40 CFR § 63.1564(a)(1), applicable to the catalytic cracking unit (CCU, a.k.a. FCCU):  
Particulate Matter (PM) - 40 CFR § 60.102(a)(1) and  
Opacity - 40 CFR § 60.102(a)(2)  
Therefore, if 40 CFR § 60.102(a) is applicable to the catalytic cracking unit (CCU), then NSPS Part 60, Subpart J is applicable under NESHAP Part 63, Subpart UUU at 40 CFR § 63.1564(a)(1).



*Monitoring Requirement:*

Continuous Opacity Monitoring System (COMS)  
Part 63, Subpart UUU - 40 CFR § 63.1572(b),  
Part 63, Subpart A - 40 CFR § 63.8(a) through (e) and (g)

*Alternative Monitoring Plan (AMP):*

Continuous Parameter Monitoring System (CPMS)  
Part 63, Subpart UUU - 40 CFR § 63.1572(c)  
Part 63, Subpart A - 40 CFR § 63.8(f)

2. Consent Decree Compliance Requirements:

As a result of the Consent Decree's provisions, Shell Deer Park's FCCU Regenerator (Flexible Permit # 21262 and Standard Permit # 50596) is subject to NSPS Part 60, Subpart J, which includes the Particulate Matter (PM) emission standard of 40 CFR § 60.102(a)(1) and the Opacity standard of 40 CFR § 60.102(a)(2). Furthermore, Shell Deer Park's FCCU regenerator stack is required by NSPS Part 60, Subpart J at 40 CFR § 60.105(a)(1) to be equipped with a continuous opacity monitoring system (COMS) to measure and record Opacity values to the atmosphere at the stack.

3. AMP Request Information and Evaluation:

Condensation of stack gas moisture in the FCCU regenerator's stack (EPN H600) interferes with accurate measurement of Opacity by the required COMS. Shell Deer Park requested approval for an Alternative Monitoring Plan (AMP) due to the COMS interference problem. Shell Deer Park's AMP request, dated July 2, 2002, consisted of the following elements of a continuous parametric monitoring system (CPMS):

a. Monitor three (3) parameters of operation based on design conditions of Shell Deer Park's WGS.

A. Liquid side pressure drops across the "filter module nozzles." (terminology by Belco)

Maintain pressure not less than **51 pounds per square inch gage** (psig)  
(Note: This parameter was later determined to be: "Liquid side pressure at the filter module nozzles.")

B. Liquid side pressure drops across the "quench nozzles." (terminology by Belco)

Maintain pressure not less than **28 pounds per square inch gage** (psig)  
(Note: This parameter was later determined to be: "Liquid side pressure at the quench nozzles.")

C. Flue gas pressure drop across the inlet of the "filter modules to the outlet of the

Cyclolabs droplet separators." (terminology by Belco)  
Maintain pressure drop of at least **7.3 inches of water** (in. H<sub>2</sub>O)

It was later determined that the WGS parameter values given above were supplied by Belco Technologies Corporation (Belco).

b. An opacity violation will be recorded when all three parameters fall below the limits determined by the data collected during the initial 90 days of operation. In its AMP request, dated July 2, 2002, Shell Deer Park did not offer any data analysis averaging time for compliance evaluation of the collected and recorded data. In general, Shell Deer Park did not offer any recordkeeping or reporting procedures to EPA for review.

In its FCCU Regenerator performance test notification letter, dated January 16, 2004, Shell Deer Park said that its WGS underwent startup on December 18, 2003. Paragraph 20 of the Consent Decree required the installation and operation of a WGS on Shell Deer Park's FCCU Regenerator no later than December 31, 2003. Shell Deer Park also said that it would collect data from the parameters of operation of the WGS, identified above, during the performance tests. In this letter, Shell Deer Park requested approval to use its own mass balance method of determining the FCCU Regenerator's coke burn-off rate, instead of using the method specified in NSPS Part 60, Subpart J at § 60.106(b)(3). On January 23, 2004, Shell Deer Park provided additional information on its mass balance method of determining the FCCU Regenerator's coke burn-off rate. To further clarify its mass balance method, on February 11, 2004, Shell Deer Park faxed its coke burn-off rate calculation equations to EPA Region 6.

On February 17 and 18, 2004, Shell Deer Park conducted performance tests on its FCCU Regenerator and its WGS. The resulting test report was submitted to EPA Region 6 and the Texas Commission on Environmental Quality (TCEQ) on March 23, 2004. Test report data indicated that the NSPS Subpart J PM emission limit at 40 CFR § 60.102(a)(1) was not exceeded. FCCU operational data (FCCU feed rate in barrels per day (bpd) and FCCU regenerator coke burn-off rate in pounds per hour (lb/hr)) was also included with the test data. Coke burn-off rate data was determined by Shell Deer Park using its own mass balance method. Based on EPA Region 6's review, it was determined that additional information was needed. On April 6, 2004, Shell Deer Park sent additional information which clarified previously submitted information. Included in the April 6, 2004 letter is a listing of the average of the WGS monitored operational parameter values recorded during the February 2004 performance test

On December 7, 2004, Shell Deer Park requested approval of the use of its NSPS Subpart J AMP as the approved continuous parameter monitoring system (CPMS) for the metal Hazardous Air Pollutant (HAP) emission standard for a "catalytic cracking unit" (CCU), subject to National Emission Standards for Hazardous Air Pollutants (NESHAP) Part 63, Subpart UUU. Shell Deer Park also provided documentation of its calculation of the FCCU regenerator coke burn-off rate (R<sub>c</sub>), as determined using the calculation methodology of Equation 1 in NESHAP Part 63, Subpart UUU at § 63.1564(b)(4)(i). However, to use the calculation methodology of NESHAP Part 63, Subpart UUU at § 63.1564(b)(4)(i), the FCCU regenerator's flue gas flow rate

(Qr) has to be determined.

On December 20, 2004, Shell Deer Park Refinery e-mailed additional information on the operation of the FCCU and its regenerator exhaust gas stream. For the Oxygen concentration feed rate, delivered to its FCCU, Shell Deer Park Refinery said that it is always 100%.

On February 9, 2005, EPA published amendments to NESHAP Part 63, Subpart UUU (see 70 FR 6930, dated 02/09/2005). Included in these amendments, at 40 CFR § 63.1573(a)(2), is an alternative methodology for calculating flue gas flow rate (Qr), which does not require direct measurement of the gas stream. The hot, corrosive, and abrasive materials in the gas stream make long term direct measurement a less desirable choice. On April 11, 2005, the amendments became effective, because there were no significant adverse comments. Therefore, this gave Shell Deer Park Refinery the opportunity to use the EPA approved FCCU regenerator flue gas alternative flow rate methodology. Because Shell Deer Park Refinery switched to the NESHAP Part 63, Subpart UUU method of determining FCCU coke burn-off rate, instead of its own mass balance method, the refinery was then able to use its 40 CFR § 63.1573(a)(2) based method of determining flue gas flow rate (Qr), as an input value to determining FCCU coke burn-off rate (Rc) using the methodology of 40 CFR § 63.1564(b)(4)(i).

On May 24, 2005, Shell Deer Park Refinery e-mailed additional information (values recorded during performance testing on 02/17 - 02/18/2004) for the following parameters of operation of the FCCU's WGS:

- 1) FCCU Regenerator Air Blower Rate (Qa)
- 2) FCCU Oxygen Enrichment Rate (Qoxy)
- 3) FCCU Regenerator Flue Gas Flow Rate (Qr)
- 4) FCCU Regenerator Flue Gas Carbon Monoxide (% CO) Content
- 4) FCCU Regenerator Flue Gas Carbon Dioxide (% CO<sub>2</sub>) Content
- 4) FCCU Regenerator Flue Gas Oxygen (% O<sub>2</sub>) Content

In a letter, dated August 8, 2005, Shell Deer Park Refinery mailed schematics (piping and instrumentation drawings (P&IDs) of its wet gas scrubber (WGS) to EPA Region 6. From the P&IDs, EPA Region 6 verified the selection and usage of the monitored operational WGS parameters in the AMP.

**FCCU Operational Parameters - Values for the AMP:**

The FCCU and WGS operational parameters cited below are the base line CPMS parameters that correspond to the baseline FCCU and WGS Particulate Matter emission rates that are the basis for EPA Region 6 approval of the requested AMP. Shell Deer Park has submitted the following FCCU and WGS operational parameter data, from information packages cited above:

**FCCU Feedstock Rate** (barrels per day, a.k.a. bpd):

Test Run # 2 = 70,010 bpd

Test Run # 3 = 69,970 bpd

Test Run # 4 = 70,020 bpd

Average (3 run) Value = **70,000 bpd** on 02/17 and 02/18/2004

Note 1: Values shown are from Table No. 8, page 23, Test Report, submitted 03/23/2004

Note 2: Values obtained from FCCU process control database

**FCCU Regenerator Air Blower Rate - (Qa)** (standard cubic feet per minute, a.k.a. scfm):

Test Run # 2 = 99,682 scfm

Test Run # 3 = 99,694 scfm

Test Run # 4 = 99,857 scfm

Average (3 run) Value = **99,744 scfm** on 02/17 and 02/18/2004

Note 1: Shell Deer Park directly measures the Oxygen supply rate (Qoxy) and directly measures the combined total of the air supply rate (Qa) and the Oxygen supply rate (Qoxy). Then Shell Deer Park subtracts the measured Oxygen supply rate (Qoxy) from the total to compute the air supply rate (Qa).

Note 2: Values obtained from Shell Deer Park's e-mail message, dated 05/24/2005

**FCCU Oxygen Enrichment Rate - (Qoxy)** (standard cubic feet per minute, a.k.a. scfm):

Test Run # 2 = 2,146 scfm

Test Run # 3 = 2,210 scfm

Test Run # 4 = 2,001 scfm

Average (3 run) Value = **2,119 scfm** on 02/17 and 02/18/2004

Note: Values obtained from Shell Deer Park's e-mail message, dated 05/24/2005

FCCU Oxygen Enrichment Concentration - (% Oxy) (percent by volume (dry basis)):

Test Runs # 2, 3 and 4 = 100%

Note 1: Same value, all three test runs.

Note 2: Information provided by Shell Deer Park Refinery in an e-mail message, dated 12/20/2004.

FCCU Regenerator Coke Burn-off Rate - (Rc) (pounds per hour, a.k.a. lb/hr):

Test Run # 2 = 49,040 lb/hr **Shell Deer Park Method**

Test Run # 3 = 49,100 lb/hr

Test Run # 4 = 49,320 lb/hr

Average (3 run) Value = **49,150 lb/hr** on 02/17 and 02/18/2004

Note 1: Values shown are from Table No. 8, page 23, Test Report, submitted 03/23/2004

Note 2: Values obtained from FCCU process control database (Shell Deer Park Refinery's mass balance methodology).

Note 3: Values were also submitted in Shell Deer Park's letter, dated 12/07/2004

FCCU Regenerator Exhaust Flue Gas Flow Rate - (Qr)

(standard cubic feet per minute, a.k.a. scfm):

Test Run # 2 = 103,429 scfm

Test Run # 3 = 103,467 scfm

Test Run # 4 = 103,646 scfm

Average (3 run) Value = **103,514 scfm** on 02/17 and 02/18/2004

Note 1: Calculated using Equation 2 - 40 CFR § 63.1573(a)(2), effective 04/11/2005, on page 6940 of Federal Register, dated 02/09/2005.

Note 2: Flow Rate (Qr) was not determined at WGS inlet duct during 02/17 and 02/18/2004 performance test. Instead, Qr was determined at outlet of FCCU regenerator, before its flue gas stream entered the FCCU's Carbon Monoxide (CO) boiler.

Note 3: Values obtained from Shell Deer Park's e-mail message, dated 05/24/2005

Note 4: CO boiler located in FCCU regenerator's exhaust gas duct.

FCCU Regenerator Exhaust Flue Gas Carbon Monoxide Content - (CO)

(percent, a.k.a. %):

Test Run # 2 = 8.35 %

Test Run # 3 = 8.38 %

Test Run # 4 = 8.81 %

Average (3 run) Value = **8.51 %** on 02/17 and 02/18/2004

Note 1: Measured upstream from CO boiler located in FCCU Regenerator exhaust gas duct.

Note 2: Gas stream sample analyzed using Horiba CO Analyzer, Model VIA-510, S/N 42371480012

Note 3: Values obtained from Shell Deer Park's e-mail message, dated 05/24/2005

FCCU Regenerator Exhaust Flue Gas Carbon Dioxide Content - (CO<sub>2</sub>)

(percent, a.k.a. %):

Test Run # 2 = 15.49 %

Test Run # 3 = 15.48 %

Test Run # 4 = 15.05 %

Average (3 run) Value = **15.34 %** on 02/17 and 02/18/2004

Note 1: Measured upstream from CO boiler located in FCCU Regenerator exhaust gas duct.

Note 2: Gas stream sample analyzed using Horiba CO<sub>2</sub> Analyzer, Model VIA-510, S/N 40736810031

Note 3: Values obtained from Shell Deer Park's e-mail message, dated 05/24/2005

FCCU Regenerator Exhaust Flue Gas Oxygen Content - (O<sub>2</sub>)

(percent, a.k.a. %):

Test Run # 2 = 0.03 %

Test Run # 3 = 0.03 %

Test Run # 4 = 0.03 %

Average (3 run) Value = **0.03 %** on 02/17 and 02/18/2004

Note 1: Measured upstream from CO boiler located in FCCU Regenerator exhaust gas duct.

Note 2: Gas stream sample analyzed using Teledyne O<sub>2</sub> Analyzer, Model Insta-Trans, S/N 224163

Note 3: Values obtained from Shell Deer Park's e-mail message, dated 05/24/2005

FCCU Regenerator Coke Burn-off Rate - (Rc) (pounds per hour, a.k.a. lb/hr):

Test Run # 2 = 47,550 lb/hr                      **EPA NESHAP Part 63, Subpart UUU Method**  
Test Run # 3 = 47,630 lb/hr  
Test Run # 4 = 47,730 lb/hr  
Average (3 run) Value = **47,640 lb/hr** on 02/17 and 02/18/2004

Note 1: Values shown were calculated using Equation 1 in NESHAP Part 63, Subpart UUU at 40 CFR § 63.1564(b)(4)(i).

Note 2: Values used in this calculation were obtained from the values listed above for the Flue Gas Flow Rate (Qr), the % CO, % CO<sub>2</sub>, and % O<sub>2</sub> in the flue gas, the Regenerator Air Feed Rate (Qa), the Oxygen Feed Rate (Qoxy), and the Oxygen Concentration (% Oxy) input parameters.

Note 3: Values obtained from Shell Deer Park's letter, dated 12/07/2004.

**FCCU WGS Operational Parameters - Values for the AMP:**

In its FCCU WGS operational parameter data response letter, dated April 6, 2004, Shell Deer Park Refinery provided the following FCCU Particulate Matter (PM) performance test related data for the WGS operational parameter numerical values:

Liquid Side Pressure at the Filter Module Nozzles:  
pounds per square inch, gage (psig)

Test Run # 2 = 48.34 psig  
Test Run # 3 = 48.35 psig  
Test Run # 4 = 48.39 psig  
Average (3 run) Value = **48.36 psig** on 02/17 and 02/18/2004

Note 1: Measured at WGS located downstream from CO boiler, which is located in FCCU Regenerator exhaust gas duct.

Note 2: Values obtained from Shell Deer Park's letter, dated 04/06/2004

Flue Gas Pressure Drop, across the inlet of filter modules to the outlet of the Cyclolabs:  
inches of Water (in. of H<sub>2</sub>O)

Test Run # 2 = 6.45 in. of H<sub>2</sub>O  
Test Run # 3 = 6.37 in. of H<sub>2</sub>O  
Test Run # 4 = 6.24 in. of H<sub>2</sub>O  
Average (3 run) Value = **6.35 in. of H<sub>2</sub>O** on 02/17 and 02/18/2004

Note 1: Measured at WGS located downstream from CO boiler, which is located in FCCU regenerator exhaust gas duct.

Note 2: Values obtained from Shell Deer Park's letter, dated 04/06/2004

Liquid Side Pressure at the Quench Nozzles:  
pounds per square inch, gage (psig)

Test Run # 2 = 31.92 psig  
Test Run # 3 = 31.92 psig  
Test Run # 4 = 32.02 psig  
Average (3 run) Value = **31.95 psig** on 02/17 and 02/18/2004

Note 1: Measured at WGS located downstream from CO boiler, which is located in FCCU regenerator exhaust gas duct.

Note 2: Values obtained from Shell Deer Park's letter, dated 04/06/2004



**FCCU WGS Particulate Matter (PM) Emission Rates - Values for the AMP:**

The Particulate Matter emission rates cited below are the base line emission rates that correspond to the baseline FCCU and WGS operational parameters for the CPMS, that are the basis for EPA Region 6's approval of the requested AMP. Shell Deer Park Refinery reported the following PM results in the FCCU stack test report, submitted March 23, 2004:

1. FCCU PM Emission Concentration (grains per dry standard cubic foot, a.k.a. gr/dscf)

Test Run # 2 = 0.0133 gr/dscf

Test Run # 3 = 0.0128 gr/dscf

Test Run # 4 = 0.0129 gr/dscf

Average (3 run) Value = **0.0130 gr/dscf** on 02/17 - 02/18/2004 (compliance test date)

Note 1: Values shown were adjusted to standard temperature and pressure.

Note 2: FCCU PM performance test data - three runs conducted February 17 - 18, 2004 using EPA test Method 5B - data values obtained from Table No. 4 on page 19 and a table on page 29 - compliance test report, submitted 03/23/2004.

2. FCCU PM Emission Rate (pounds PM per 1,000 pounds of coke burn-off, a.k.a. lb PM/1,000 lb of coke burn-off or lb PM/ton of coke burn-off) - Determined by Shell Deer Park's own coke burn-off rate data collection, analysis, and calculation procedures, as an alternative to the EPA calculation procedures in NSPS Part 60, Subpart J at § 60.106(b)(3).

Test Run # 2 = 0.79 lb PM/ton of coke burn-off (0.39 lb PM/1,000 lb of coke burn-off)

Test Run # 3 = 0.75 lb PM/ton of coke burn-off (0.37 lb PM/1,000 lb of coke burn-off)

Test Run # 4 = 0.76 lb PM/ton of coke burn-off (0.38 lb PM/1,000 lb of coke burn-off)

Average (3 run) Value = **0.77 lb PM/ton of coke burn-off** (see Note 2)

Average (3 run) Value = **0.38 lb PM/1,000 lb of coke burn-off** (see Note 2)

Note 1: Values of WGS PM emission rates shown are based on FCCU PM performance test data - average of three runs conducted. Values tabulated in Shell Deer Park's letter, dated December 07, 2004, to EPA Region 6.

Note 2: Values of Regenerator Coke Burn-off Rate (Rc) used in the calculation of values of WGS PM emission rates shown above were calculated using Shell Deer Park's own mass balance method for coke burn-off rate data collection, analysis, and calculation, submitted 01/23/2004 and 02/11/2004.

Note 3: PM Limit = 1.0 kg/1,000 kg (1.0 lb/1,000 lb or 2.0 lb/ton) of coke burn-off in the catalyst regenerator (see NSPS Part 60, Subpart J at 40 CFR § 60.102(a)(1)).

3. FCCU PM Emission Rate (pounds PM per 1,000 pounds of coke burn-off, a.k.a. lb PM/1,000 lb of coke burn-off or lb PM/ton of coke burn-off) - Coke Burn-off Rate (Rc) calculated using Equation 1 in NESHAP Part 63, Subpart UUU at 40 CFR § 63.1564(b)(4)(i).

Test Run # 2 = 0.82 lb PM/ton of coke burn-off (0.41 lb PM/1,000 lb of coke burn-off)  
Test Run # 3 = 0.77 lb PM/ton of coke burn-off (0.38 lb PM/1,000 lb of coke burn-off)  
Test Run # 4 = 0.79 lb PM/ton of coke burn-off (0.39 lb PM/1,000 lb of coke burn-off)  
Average (3 run) Value = **0.79 lb PM/ton of coke burn-off** (see Note 2)  
Average (3 run) Value = **0.39 lb PM/1,000 lb of coke burn-off** (see Note 2)

Note 1: Values of WGS PM emission rates shown are based on FCCU PM performance test data - average of three runs conducted on 02/17 - 02/18/2004 - on Table I, page 2.3.1 - compliance test report, submitted 03/23/2004. However, the coke burn-off rate (Rc) values used in calculating the PM emission rates shown above are based on Regenerator flue gas flow rate (Qr) values calculated using:

- 1) Eq. 2 in Section 63.1573(a)(2) on page 6940 of NESHAP Part 63, Subpart UUU Federal Register publication, dated February 9, 2005 (see 70 FR 6940, 02/09/2005). and
- 2) Input data values from the Flue Gas Flow Rate (Qr) calculated using measured values of Regenerator Air Supply Rate (Qa), and the flue gas composition (% CO, % O<sub>2</sub>, and % CO<sub>2</sub>) values measured in the FCCU Regenerator flue upstream from the CO boiler and the WGS.

Note 2: These FCCU WGS PM emission rate data values were submitted by Shell Deer Park Refinery in it's letter, dated December 07, 2004, to EPA Region 6.

Note 3: Flue gas composition values for the Flue Gas Flow Rate (Qr) calculation were measured upstream from CO boiler located in FCCU Regenerator exhaust gas duct. Values of FCCU Regenerator exhaust flue gas Carbon Monoxide (CO) content, Carbon Dioxide (CO<sub>2</sub>) content, and Oxygen (O<sub>2</sub>) content obtained from Shell Deer Park's e-mail message, dated 05/24/2005.

Note 4: PM Limit = 1.0 kg/1,000 kg (1.0 lb/1,000 lb or 2.0 lb/ton) of coke burn-off in the catalyst regenerator (see NSPS Part 60, Subpart J at 40

CFR §60.102(a)(1)).

Note 5: Shell Deer Park Refinery re-calculated values of coke burn-off rate (Rc) using EPA's coke burn-off rate determination procedures and Equation 1 in NESHAP Part 63, Subpart UUU at § 63.1564(b)(4)(i). Shell Deer Park Refinery re-computed FCCU PM emission rates (shown above) using the re-calculated values of coke burn-off rate (Rc).

**AMP CPMS Recordkeeping Requirements:**

Shell Deer Park Refinery shall record and maintain data for key parameters for the NSPS Part 60, Subpart J based CPMS, in accordance with the recordkeeping requirements of NSPS Part 60, Subpart A at 40 CFR § 60.7(f). Records shall be maintained under 40 CFR § 60.7(f) for the following CPMS data recording items:

1. FCCU Operational Parameter Monitoring Recording Items:

- Feedstock Rate
- Regenerator Air Supply Rate (Qa)
- Oxygen Enrichment Rate (Qoxy)
- Oxygen Enrichment Concentration (% Oxy)
- Regenerator Exhaust Flue Gas Carbon Monoxide (% CO) Content
- Regenerator Exhaust Flue Gas Carbon Dioxide (% CO<sub>2</sub>) Content
- Regenerator Exhaust Flue Gas Oxygen (% O<sub>2</sub>) Content
- Regenerator Exhaust Flue Gas Flow Rate (Qr)
- Regenerator Coke Burn-off Rate (Rc)

2. WGS Operational Parameter Monitoring Recording Devices:

- FCCU WGS Liquid Side Pressure (at the Filter Module Nozzles)
- FCCU WGS Pressure Drop (across inlet of filter modules to outlet of Cyclolabs)
- FCCU WGS Liquid Side Pressure (at Quench Nozzles)

**AMP CPMS Data Analysis Criteria:**

Excess emissions are defined as any period of time in which the WGS parameter deviates from the numerical value limits defined by the deviation criteria stated below. The required WGS compliance determination parameters for Shell Deer Park Refinery's NSPS Part 60, Subpart J based CPMS are:

1. Deviation Criteria Applicability:

The deviation criteria designated below applies to data recorded from the following WGS operational parameter monitoring device records:

- 1) FCCU WGS Liquid Side Pressure (at the Filter Module Nozzles)
- 2) FCCU WGS Pressure Drop (across inlet of filter modules to outlet of Cyclolabs)
- 3) FCCU WGS Liquid Side Pressure (at Quench Nozzles)

2. Averaging Time for Determining and Recording Deviations:

On March 10, 2005, Shell Deer Park Refinery discussed with EPA Region 6 the use of a data analysis averaging time of three (3) hours for the determination of parameter value deviations. EPA Region 6 agrees that a 3 hour averaging time is reasonable. It was agreed that each 3 hour average value of the key parameter shall be determined on a "block" basis as the arithmetic average of three contiguous one-hour average values during each consecutive separate three (3) hour block of time.

3. Cut-off level for Determining and Recording Deviations:

In its letter to EPA Region 6, dated April 6, 2004, Shell Deer Park Refinery requested that a specific cut-off levels for compliance be approved for each of its FCCU WGS operational parameter monitoring devices:

- 1) FCCU WGS Liquid Side Pressure (at the Filter Module Nozzles) = **36** pounds per square inch, gage (psig)
- 2) FCCU WGS Pressure Drop (across inlet of filter modules to outlet of Cyclolabs) = **4.0** inches of Water (in. of H<sub>2</sub>O)
- 3) FCCU WGS Liquid Side Pressure (at Quench Nozzles) = **23** pounds per square inch, gage (psig)

The corresponding percentages for the proposed EER compliance level criteria values, expressed as a percentage of the WGS parameter values recorded during the February 17 and 18, 2004 PM performance test are:

- 1) FCCU WGS Liquid Side Pressure at the Filter Module Nozzles =  
 $(36/48) \times 100 = 75\%$
- 2) FCCU WGS Flue Gas Pressure Drop, across the inlet of the filter modules to the outlet of the Cyclolabs =  
 $(4.0/6.4) \times 100 = 62.5\%$
- 3) FCCU WGS Liquid Side Pressure at the Quench Nozzles =  
 $(23/32) \times 100 = 72\%$

For FCCU WGS AMP requests in the past, EPA Region 6 has approved percentages for the proposed EER compliance level criteria values, expressed as a percentage of the WGS parameter values recorded during the most recent PM performance test, in the range of 80% to 70%. Proposed EER compliance level criteria value percentages for two of the three WGS operational parameters are within the

traditionally accepted EPA Region 6 range (80% to 70%) and one is a relatively small amount below 70%. Therefore, EPA Region 6 has determined that the proposed EER compliance level criteria values are acceptable.

Parameter values that are less than the approved cut-off level for compliance, determined on the basis of the approved averaging time (3 hours, block basis), represent and are to be reported as a deviation from values established during the latest compliance test, where compliance with the applicable emission standard was demonstrated. Based on the February 17 and 18, 2004 performance test data, the FCCU WGS parameter values representing the approved compliance cut-off criteria are:

- 1) FCCU WGS Liquid Side Pressure (at the Filter Module Nozzles) = **36** pounds per square inch, gage (psig)
- 2) FCCU WGS Pressure Drop (across inlet of filter modules to outlet of Cyclolabs) = **4.0** inches of Water (in. of H<sub>2</sub>O)
- 3) FCCU WGS Liquid Side Pressure (at Quench Nozzles) = **23** pounds per square inch, gage (psig)

#### **AMP CPMS Reporting Requirements:**

Continuous Monitoring System (CMS) Excess Emission Report (EER) requirements under NSPS Part 60, Subpart J are stated at 40 CFR § 60.105(e). However, 40 CFR § 60.105(e) does not have any provisions/requirements for conducting data analysis, report preparation, and report submittal for FCCU WGS CPMS recorded values associated with stack PM emission rates.

As alternative reporting, Shell Deer Park Refinery shall report values of key monitored WGS parameters for the NSPS Part 60, Subpart J based CPMS, in accordance with the reporting requirements of NSPS Part 60, Subpart A at 40 CFR § 60.7(c) and (d). The report submittal frequency is semi-annual, unless revised in accordance with 40 CFR § 60.7(c).

Shell Deer Park Refinery shall report values of key monitored WGS parameters using the "summary report form" shown at 40 CFR § 60.7(d). The reporting criteria at 40 CFR § 60.7(d)(1) and (2) shall be used to determine the extent of report content. A separate "summary report form" and, if required, any additional information required under 40 CFR § 60.7(c), shall be submitted in the report.

**AMP Agreement – Alternate Method of Determining FCCU Regenerator Coke Burn-off Rate (Rc):**

On January 16, 2004, Shell Deer Park Refinery requested approval of its mass balance method of determining FCCU regenerator coke burn-off rate, as an alternative to the methods required by NSPS Part 60, Subpart J and NESHAP Part 63, Subpart UUU. The refinery provided detailed information about its own method on January 23, 2004 and February 11, 2004.

During the FCCU WGS PM performance test on February 17 and 18, 2004, Shell Deer Park Refinery used its own mass balance method to determine FCCU regenerator coke burn-off rates. In addition to demonstrating compliance with the applicable NSPS Particulate Matter (PM) and NESHAP metal HAP emission standards, this test also serves as the certification method for validation of the requested AMP.

On December 7, 2004, Shell Deer Park Refinery submitted the results of the PM test determined two ways: 1) Computed using regenerator coke burn-off rates calculated using Shell's own mass balance method and 2) Computed using regenerator coke burn-off rates calculated using the method specified in NESHAP Part 63, Subpart UUU at 40 CFR § 63.1564(b)(4)(i). At the same time it presented the results of the PM emission test results in its letter, dated December 7, 2004, Shell Deer Park Refinery retracted its January 16, 2004 request for EPA approval of its mass balance method of determining FCCU regenerator coke burn-off rates.

In the same letter, Shell Deer Park Refinery agreed to use NESHAP Part 63, Subpart UUU at 40 CFR § 63.1573(a)(2)(iii) [EPA method for determination of regenerator flue gas flow rate (Qr)] and at 40 CFR § 63.1564(b)(4)(i) [EPA method for determination of regenerator coke burn-off rate (Rc)]. EPA hereby agrees with Shell Deer Park Refinery's decision, dated December 7, 2004.

**AMP Approval - NSPS Part 60, Subpart J:**

Pursuant to the authority of NSPS Part 60, Subpart A at § 60.13(i), EPA Region 6 approves the above referenced AMP as an alternative to the COMS required under 40 CFR § 60.105(a)(1) of NSPS Part 60, Subpart J for Shell Deer Park Refining Company's FCCU catalyst regenerator. The FCCU was made subject to NSPS Part 60, Subpart J by the applicability requirements of Paragraph 23(a) of the applicable Consent Decree (Civil Action No. H-01-0978). This FCCU regenerator is operating at Deer Park Refining Services, Shell Deer Park Refining Company, Deer Park Refinery Limited Partnership (DPRLP), located at Deer Park, Texas. The refinery shall execute data collection and analysis, recordkeeping, and reporting in accordance with the terms and conditions stated above.

**CPMS Approval - NESHAP Part 63, Subpart UUU:**

Shell Deer Park Refining Company owns and operates a fluid catalytic cracking unit (FCCU) that is a catalytic cracking unit (CCU) that is subject as an "affected source" to NESHAP Part 63, Subpart UUU. The CCU is subject to the metal HAP emission standards at 40 CFR § 63.1564(a)(1). Since the FCCU is already subject to NSPS Part 60, Subpart J by the applicability requirements of Paragraph 23(a) of the applicable Consent Decree (Civil Action No. H-01-0978), the CCU is required under 40 CFR § 63.1564(a)(1) and Table 1 of Subpart UUU to comply with the PM emission standards of 40 CFR § 60.102(a)(1).

The Shell Deer Park Refinery indicated that it shall comply with the PM emission standards of NSPS Part 60, Subpart J at 40 CFR § 60.102 in order to comply with the metal HAP emission standards of NESHAP Part 63, Subpart UUU at 40 CFR § 63.1564(a)(1). The Shell Deer Park Refinery is required under 40 CFR § 63.1564(b)(1) to install, operate and maintain a continuous monitoring system (CMS) on its CCU in accordance with the requirements of 40 CFR § 63.1572 and Table 3 of Subpart UUU. If the CCU is subject to the PM and Opacity emission standards of 40 CFR § 60.102, it is required to be equipped with a continuous opacity monitoring system (COMS). However, as is the case under NSPS Subpart J, a COMS device will not function as a CMS after a WGS under 40 CFR § 63.1572 and Table 3 of Subpart UUU.

NESHAP Part 63, Subpart UUU at 40 CFR § 63.1573(d) allows an "affected source" to be monitored with an alternative other than the required CMS. The alternative CMS that Shell Deer Park Refinery selected for the CCU is a continuous parameter monitoring system (CPMS), like the type approved under the AMP provisions of NSPS Part 60, Subpart A. The CPMS requirements for affected sources subject to NESHAP Part 63, Subpart UUU are stated in 40 CFR § 63.1572(c) of Subpart UUU. Therefore, Shell Deer Park Refinery shall comply with the CPMS requirements of 40 CFR § 63.1572(c) as a condition of approval of this AMP.

If the Shell Deer Park Refinery wants to request approval for alternative monitoring provisions under NESHAP Part 63, Subpart UUU, it is required to submit the information types listed at 40 CFR § 63.1573(e). By submitting its AMP request under NSPS Part 60, Subpart A, Shell Deer Park Refinery has satisfied the requirements of 40 CFR § 63.1573(e). Therefore, the CPMS that was approved under the AMP requirements of NSPS Part 60, Subpart A, is approved as a CPMS under the requirements of NESHAP Part 63, Subpart UUU at 40 CFR § 63.1572(c).

For the purpose of recordkeeping for the approved CPMS, under NESHAP Part 63, Subpart UUU at 40 CFR § 63.1576, the approved recordkeeping provisions for the NSPS Part 60, Subpart A approved AMP, stated herein, shall apply. For the purpose of reporting for the approved CPMS, Shell Deer Park Refinery may report information generated by its approved AMP in its compliance report, submitted in accordance with 40 CFR § 63.1575, under NESHAP Part 63, Subpart UUU.



### **Monitoring Plan Approval - Consent Decree**

Approval of this AMP requested by the Shell Deer Park Refinery under NSPS Part 60, Subpart J (for the continuous monitoring system for the applicable PM emission standard) and approval of this AMP requested by the Shell Deer Park Refinery for the CPMS under NESHAP Part 63, Subpart UUU (for the continuous monitoring system for the applicable metal HAP emission standard) constitute EPA approval of the required monitoring plan under the applicable Consent Decree (Civil Action No. H-01-0978).

### **General Conditions:**

EPA determinations for other process units or facilities subject to NSPS Parts 60, NESHAP Parts 61 or 63, or the Consolidated Air Rule (CAR) Part 65 are to be addressed on a case-by-case basis. Also, this determination request response was coordinated with EPA's Office of Compliance and Enforcement, Air Enforcement Division (Patrick Foley) and EPA's Office of Compliance (Maria Malave) within the Office of Enforcement and Compliance Assurance (OECA) in Washington, D.C. It was also coordinated with EPA's Sector Policies and Programs Division (formally the Emission Standards Division) (Robert Lucas - Coatings and Chemicals Group and Peter Westlin - Measurement Policy Group) and with the Air Quality and Assessment Division (AQAD), (Foston Curtis and Thomas Logan - Measurement Technology Group), all within the Office of Air Quality Planning and Standards (OAQPS) in Research Triangle Park, North Carolina.

If additional information indicates that the conditions under which this AMP approval was granted have changed, EPA may determine that this approval is null and void. In this event, the Shell Deer Park Refinery shall re-apply for approval of an AMP/CPMS representative of changed conditions.

**Appendix A**

**Acronym List ..... 625**

## Acronym List

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

ACFM	.....	actual cubic feet per minute
AMOC	.....	alternate means of control
ARP	.....	Acid Rain Program
ASTM	.....	American Society of Testing and Materials
B/PA	.....	Beaumont/Port Arthur (nonattainment area)
CAM	.....	Compliance Assurance Monitoring
CD	.....	control device
COMS	.....	continuous opacity monitoring system
CVS	.....	closed-vent system
D/FW	.....	Dallas/Fort Worth (nonattainment area)
DR	.....	Designated Representative
EIP	.....	El Paso (nonattainment area)
EP	.....	emission point
EPA	.....	U.S. Environmental Protection Agency
EU	.....	emission unit
FCAA Amendments	.....	Federal Clean Air Act Amendments
FOP	.....	federal operating permit
GF	.....	grandfathered
gr/100 scf	.....	grains per 100 standard cubic feet
HAP	.....	hazardous air pollutant
H/G/B	.....	Houston/Galveston/Brazoria (nonattainment area)
H <sub>2</sub> 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 <sub>x</sub>	.....	nitrogen oxides
NSPS	.....	New Source Performance Standard (40 CFR Part 60)
NSR	.....	New Source Review
ORIS	.....	Office of Regulatory Information Systems
Pb	.....	lead
PBR	.....	Permit By Rule
PM	.....	particulate matter
ppmv	.....	parts per million by volume
PSD	.....	prevention of significant deterioration
RO	.....	Responsible Official
SO <sub>2</sub>	.....	sulfur dioxide
TCEQ	.....	Texas Commission on Environmental Quality
TSP	.....	total suspended particulate
TVP	.....	true vapor pressure
U.S.C.	.....	United States Code
VOC	.....	volatile organic compound

**Appendix B**

**Major NSR Summary Table..... 627**

Permit Number: 21262 and PSDTX928 (Version Date: 01/27/2011)

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
A1006	H <sub>2</sub> S Point Analyzer	CO (5)	777.95	2688.22		30	30
A1006	H <sub>2</sub> S Point Analyzer	VOC	1877.69	2846.90		30	30
A102	Analyzer	VOC	1877.69	2846.90		30	30
A10823	CCU CO Analyzer	NO <sub>x</sub>	495.45	1825.00		30	30
A10823	CCU CO Analyzer	CO (5)	777.95	2688.22		30	30
A10823	CCU CO Analyzer	PM	77.13	272.80		30	30
A10823	CCU CO Analyzer	SO <sub>2</sub>	2050.72	5259.84		30	30
A10823	CCU CO Analyzer	VOC	1877.69	2846.90		30	30
A10824	CO Analyzer	NO <sub>x</sub>	495.45	1825.00		30	30
A10824	CO Analyzer	CO (5)	777.95	2688.22		30	30
A10824	CO Analyzer	PM	77.13	272.80		30	30
A10824	CO Analyzer	SO <sub>2</sub>	2050.72	5259.84		30	30
A10824	CO Analyzer	VOC	1877.69	2846.90		30	30
A10825	O <sub>2</sub> Analyzer	NO <sub>x</sub>	495.45	1825.00		30	30
A10825	O <sub>2</sub> Analyzer	PM	77.13	272.80		30	30
A10825	O <sub>2</sub> Analyzer	CO (5)	777.95	2688.22		30	30
A10825	O <sub>2</sub> Analyzer	SO <sub>2</sub>	2050.72	5259.84		30	30
A10825	O <sub>2</sub> Analyzer	VOC	1877.69	2846.90		30	30
A10502	CCU SNCR NO <sub>x</sub> /SO <sub>2</sub> /O <sub>2</sub> Analyzer	NO <sub>x</sub>	495.45	1825.00		30	30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
A10502	CCU SNCR NO <sub>x</sub> /SO <sub>2</sub> /O <sub>2</sub> Analyzer	CO (5)	777.95	2688.22		30	30
A10502	CCU SNCR NO <sub>x</sub> /SO <sub>2</sub> /O <sub>2</sub> Analyzer	PM	77.13	272.80		30	30
A10502	CCU SNCR NO <sub>x</sub> /SO <sub>2</sub> /O <sub>2</sub> Analyzer	SO <sub>2</sub>	2050.72	5259.84		30	30
A10502	CCU SNCR NO <sub>x</sub> /SO <sub>2</sub> /O <sub>2</sub> Analyzer	VOC	1877.69	2846.90		30	30
A1284	Debut. Tops Analyzer	VOC	1877.69	2846.90		30	30
A1284	Debut. Tops Analyzer	H <sub>2</sub> S	29.61	85.77		30	30
A1301	PSA Product H <sub>2</sub> Analyzer	VOC	1877.69	2846.90	4	4,30	4,30
A162	H5301 O <sub>2</sub> Analyzer	NO <sub>x</sub>	495.45	1825.00		30	30
A162	H5301 O <sub>2</sub> Analyzer	CO (5)	777.95	2688.22		30	30
A162	H5301 O <sub>2</sub> Analyzer	PM	77.13	272.80		30	30
A162	H5301 O <sub>2</sub> Analyzer	SO <sub>2</sub>	2050.72	5259.84		30	30
A162	H5301 O <sub>2</sub> Analyzer	VOC	1877.69	2846.90		30	30
A1745	SR-3/4 SO <sub>2</sub> CEMS Analyzer	SO <sub>2</sub>	2050.72	5259.84		30	30
A1745	SR-3/4 SO <sub>2</sub> CEMS Analyzer	VOC	1877.69	2846.90		30	30
A1760	H <sub>2</sub> S Analyzer	VOC	1877.69	2846.90		30	30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
A1760	H <sub>2</sub> S Analyzer	H <sub>2</sub> S	29.61	85.77		30	30
A180	H5302 O <sub>2</sub> Analyzer	NO <sub>x</sub>	495.45	1825.00		30	30
A180	H5302 O <sub>2</sub> Analyzer	CO (5)	777.95	2688.22		30	30
A180	H5302 O <sub>2</sub> Analyzer	PM	77.13	272.80		30	30
A180	H5302 O <sub>2</sub> Analyzer	SO <sub>2</sub>	2050.72	5259.84		30	30
A180	H5302 O <sub>2</sub> Analyzer	VOC	1877.69	2846.90		30	30
A1905/6	A1905/6 Analyzer	VOC	1877.69	2846.90		30	30
A213	CR3 Recycle Gas SG Analyzer	VOC	1877.69	2846.90		30	30
A213	CR3 Recycle Gas SG Analyzer	Benzene	10.96	30.36		30	30
A214	CR3 Recycle Gas Moisture	VOC	1877.69	2846.90		30	30
A214	CR3 Recycle Gas Moisture	Benzene	10.96	30.36		30	30
A236	H5305 O <sub>2</sub> Analyzer	NO <sub>x</sub>	495.45	1825.00		30	30
A236	H5305 O <sub>2</sub> Analyzer	CO (5)	777.95	2688.22		30	30
A236	H5305 O <sub>2</sub> Analyzer	PM	77.13	272.80		30	30
A236	H5305 O <sub>2</sub> Analyzer	SO <sub>2</sub>	2050.72	5259.84		30	30
A236	H5305 O <sub>2</sub> Analyzer	VOC	1877.69	2846.90		30	30
A298	CR3 Regen Gas O <sub>2</sub> Analyzer	VOC	1877.69	2846.90		30	30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
A298	CR3 Regen Gas O <sub>2</sub> Analyzer	Benzene	10.96	30.36		30	30
A300	CR3 Regen Gas Comb. Analyzer	VOC	1877.69	2846.90		30	30
A300	CR3 Regen Gas Comb. Analyzer	Benzene	10.96	30.36		30	30
A329	CR3 Reactor Inlet O <sub>2</sub> Analyzer	VOC	1877.69	2846.90		30	30
A34160	CR-3 Furnaces CEMS Analyzer	NO <sub>x</sub>	495.45	1825.00		30	30
A34160	CR-3 Furnaces CEMS Analyzer	CO (5)	777.95	2688.22		30	30
A34160	CR-3 Furnaces CEMS Analyzer	PM	77.13	272.80		30	30
A34160	CR-3 Furnaces CEMS Analyzer	SO <sub>2</sub>	2050.72	5259.84		30	30
A34160	CR-3 Furnaces CEMS Analyzer	VOC	1877.69	2846.90		30	30
A553	PLAT2 Rec. Gas Gravity Analyzer	VOC	1877.69	2846.90		30	30
A554	PLAT2 Rec. Gas Gravity Analyzer	VOC	1877.69	2846.90		30	30
A785	H5303 O <sub>2</sub> Analyzer	NO <sub>x</sub>	495.45	1825.00		30	30
A785	H5303 O <sub>2</sub> Analyzer	CO (5)	777.95	2688.22		30	30
A785	H5303 O <sub>2</sub> Analyzer	PM	77.13	272.80		30	30



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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
A785	H5303 O <sub>2</sub> Analyzer	SO <sub>2</sub>	2050.72	5259.84		30	30
A785	H5303 O <sub>2</sub> Analyzer	VOC	1877.69	2846.90		30	30
A786	H5304 O <sub>2</sub> Analyzer	NO <sub>x</sub>	495.45	1825.00		30	30
A786	H5304 O <sub>2</sub> Analyzer	CO (5)	777.95	2688.22		30	30
A786	H5304 O <sub>2</sub> Analyzer	PM	77.13	272.80		30	30
A786	H5304 O <sub>2</sub> Analyzer	SO <sub>2</sub>	2050.72	5259.84		30	30
A786	H5304 O <sub>2</sub> Analyzer	VOC	1877.69	2846.90		30	30
A842	Tank SS307 Blanket O <sub>2</sub> Analyzer	VOC	1877.69	2846.90		30	30
A89128	Tank SS314 Blanket O <sub>2</sub> Analyzer	VOC	1877.69	2846.90		30	30
AE2340	Octane Testing Engine	NO <sub>x</sub>	495.45	1825.00		30	30
AE2340	Octane Testing Engine	CO (5)	777.95	2688.22		30	30
AE2340	Octane Testing Engine	PM	77.13	272.80		30	30
AE2340	Octane Testing Engine	SO <sub>2</sub>	2050.72	5259.84		30	30
AE2340	Octane Testing Engine	VOC	1877.69	2846.90		30	30
AE2636	Octane Testing Engine	NO <sub>x</sub>	495.45	1825.00		30	30
AE2636	Octane Testing Engine	CO (5)	777.95	2688.22		30	30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
AE2636	Octane Testing Engine	PM	77.13	272.80		30	30
AE2636	Octane Testing Engine	SO <sub>2</sub>	2050.72	5259.84		30	30
AE2636	Octane Testing Engine	VOC	1877.69	2846.90		30	30
AE2650	Octane Testing Engine	NO <sub>x</sub>	495.45	1825.00		30	30
AE2650	Octane Testing Engine	CO (5)	777.95	2688.22		30	30
AE2650	Octane Testing Engine	PM	77.13	272.80		30	30
AE2650	Octane Testing Engine	SO <sub>2</sub>	2050.72	5259.84		30	30
AE2650	Octane Testing Engine	VOC	1877.69	2846.90		30	30
AE348	On-line Knock Engine	NO <sub>x</sub>	495.45	1825.00		30	30
AE348	On-line Knock Engine	CO (5)	777.95	2688.22		30	30
AE348	On-line Knock Engine	PM	77.13	272.80		30	30
AE348	On-line Knock Engine	SO <sub>2</sub>	2050.72	5259.84		30	30
AE348	On-line Knock Engine	VOC	1877.69	2846.90		30	30
AE349	On-line Knock Engine	NO <sub>x</sub>	495.45	1825.00		30	30
AE349	On-line Knock Engine	CO (5)	777.95	2688.22		30	30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
AE349	On-line Knock Engine	PM	77.13	272.80		30	30
AE349	On-line Knock Engine	SO <sub>2</sub>	2050.72	5259.84		30	30
AE349	On-line Knock Engine	VOC	1877.69	2846.90		30	30
AE388	On-line Knock Engine	NO <sub>x</sub>	495.45	1825.00		30	30
AE388	On-line Knock Engine	CO (5)	777.95	2688.22		30	30
AE388	On-line Knock Engine	PM	77.13	272.80		30	30
AE388	On-line Knock Engine	SO <sub>2</sub>	2050.72	5259.84		30	30
AE388	On-line Knock Engine	VOC	1877.69	2846.90		30	30
AE389	On-line Knock Engine	NO <sub>x</sub>	495.45	1825.00		30	30
AE389	On-line Knock Engine	CO (5)	777.95	2688.22		30	30
AE389	On-line Knock Engine	PM	77.13	272.80		30	30
AE389	On-line Knock Engine	SO <sub>2</sub>	2050.72	5259.84		30	30
AE389	On-line Knock Engine	VOC	1877.69	2846.90		30	30
AE700	Octane Testing Engine	NO <sub>x</sub>	495.45	1825.00		30	30
AE700	Octane Testing Engine	CO (5)	777.95	2688.22		30	30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
AE700	Octane Testing Engine	PM	77.13	272.80		30	30
AE700	Octane Testing Engine	SO <sub>2</sub>	2050.72	5259.84		30	30
AE700	Octane Testing Engine	VOC	1877.69	2846.90		30	30
AE768	Octane Testing Engine	NO <sub>x</sub>	495.45	1825.00		30	30
AE768	Octane Testing Engine	CO (5)	777.95	2688.22		30	30
AE768	Octane Testing Engine	VOC	1877.69	2846.90		30	30
AP1	AP1 Storage Tank	VOC	1877.69	2846.90		30	30
AP16	AP16 Storage Tank	VOC	1877.69	2846.90		30	30
AP16	AP16 Storage Tank	Benzene	10.96	30.36		30	30
AP16	AP16 Storage Tank	H <sub>2</sub> S	29.61	85.77		30	30
AP17	AP17 Storage Tank	VOC	1877.69	2846.90		30	30
AP17	AP17 Storage Tank	Benzene	10.96	30.36		30	30
AP17	AP17 Storage Tank	H <sub>2</sub> S	29.61	85.77		30	30
AP2	AP2 Storage Tank	VOC	1877.69	2846.90		30	30
AP4	AP4 Storage Tank	VOC	1877.69	2846.90		30	30
AP5	AP5 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
AP6	AP6 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
AP6	AP6 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
AP7	AP7 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
AP8	AP7 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
AP8	AP8 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	30
AYARDOWS	WW – Sewer A Yard Oily Water	VOC	1877.69	2846.90		30	30
AYARDOWS	WW – Sewer A Yard Oily Water	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
AYARDOWS	WW – Sewer A Yard Oily Water	NH <sub>3</sub>	5.44	23.74		30	30
BARGE	Marine Loading – Barge Docks	VOC	1877.69	2846.90	4	4,30	4,30
BARGE	Marine Loading – Barge Docks	Benzene	10.96	30.36	4	4,30	4,30
BARGE	Marine Loading – Barge Docks	H <sub>2</sub> S	29.61	85.77		30	30
BENZENE1	Marine Loading – Benzene Dock 1	VOC	1877.69	2846.90	4	4,30	4,30
BENZENE1	Marine Loading – Benzene Dock 1	Benzene	10.96	30.36	4	4,30	4,30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
BENZENE1	Marine Loading – Benzene Dock 1	H <sub>2</sub> S	29.61	85.77		30	30
BENZENE2	Marine Loading – Benzene Dock 2	VOC	1877.69	2846.90	4	4,30	4,30
BENZENE2	Marine Loading – Benzene Dock 2	Benzene	10.96	30.36	4	4,30	4,30
BENZENE2	Marine Loading – Benzene Dock 2	H <sub>2</sub> S	29.61	85.77		30	30
BENZENE4	Marine Loading – Benzene Dock 4	VOC	1877.69	2846.90	4	4,30	4,30
BENZENE4	Marine Loading – Benzene Dock 4	Benzene	10.96	30.36	4	4,30	4,30
BENZENE4	Marine Loading – Benzene Dock 4	H <sub>2</sub> S	29.61	85.77		30	30
BYARDOWS	WW – Sewer B Yard Oily Water	VOC	1877.69	2846.90		30	30
BYARDOWS	WW – Sewer B Yard Oily Water	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
BYARDOWS	WW – Sewer B Yard Oily Water	H <sub>2</sub> S	29.61	85.77		30	30
BYARDOWS	WW – Sewer B Yard Oily Water	NH <sub>3</sub>	5.44	23.74		30	30
C9150/51	C9150/51 Vent	VOC	1877.69	2846.90		30	30
C9150/51	C9150/51 Vent	H <sub>2</sub> S	29.61	85.77		30	30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
C9152/53	C9152/53 Vent	VOC	1877.69	2846.90		30	30
C9152/53	C9152/53 Vent	H <sub>2</sub> S	29.61	85.77		30	30
CCLP	WW – Cat Cracker Lube Plant	VOC	1877.69	2846.90		30	30
CCLP	WW – Cat Cracker Lube Plant	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
CCLP	WW – Cat Cracker Lube Plant	NH <sub>3</sub>	5.44	23.74		30	30
CPI1	WW – CP1 Oil Water Separator	VOC	1877.69	2846.90		30	30
CPI1	WW – CP1 Oil Water Separator	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
CPI1	WW – CP1 Oil Water Separator	NH <sub>3</sub>	5.44	23.74		30	30
CPI2	WW – CP1 Oil Water Separator	VOC	1877.69	2846.90		30	30
CPI2	WW – CP1 Oil Water Separator	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
CPI2	WW – CP1 Oil Water Separator	NH <sub>3</sub>	5.44	23.74		30	30
CRUDE	Marine Loading – Crude Docks	VOC	1877.69	2846.90	4	4,30	4,30
CRUDE	Marine Loading – Crude Docks	Benzene	10.96	30.36	4	4,30	4,30
CRUDE	Marine Loading – Crude Docks	H <sub>2</sub> S	29.61	85.77		30	30
CYARDOWS	Wastewater Fugitives (4)	VOC	1877.69	2846.90	9,14	9,15,30	15,30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
CYARDOWS	Wastewater Fugitives (4)	Benzene	10.96	30.36	9,14	9,15,30	15,30
CYARDOWS	Wastewater Fugitives (4)	NH <sub>3</sub>	5.44	23.74	9,14	9,15,30	15,30
CWT10	Cooling Tower No.10 (4)	PM	77.13	272.80	9,14	9,30	30
CWT10	Cooling Tower No.10 (4)	VOC	1877.69	2846.90	9,14,23	9,23,30	30
CWT11	Cooling Tower No.11 (4)	PM	77.13	272.80	9,14	9,30	30
CWT11	Cooling Tower No.11 (4)	VOC	1877.69	2846.90	9,14,23	9,23,30	30
CWT12	Cooling Tower No.12 (4)	PM	77.13	272.80	9,14	9,30	30
CWT12	Cooling Tower No.12 (4)	VOC	1877.69	2846.90	9,14,23	9,23,30	30
CWT14	Cooling Tower No.14 (4)	PM	77.13	272.80	9,14	9,30	30
CWT14	Cooling Tower No.14 (4)	VOC	1877.69	2846.90	9,14,23	9,23,30	30
CWT15	Cooling Tower No.15 (4)	PM	77.13	272.80	9,14	9,30	30
CWT15	Cooling Tower No.15 (4)	VOC	1877.69	2846.90	9,14,23	9,23,30	30
CWT16/16A	Cooling Tower No.16/16A (4)	PM	77.13	272.80	9,14	9,30	30
CWT16/16A	Cooling Tower No.16/16A (4)	VOC	1877.69	2846.90	9,14,23	9,23,30	30
CWT17	Cooling Tower No.17 (4)	PM	77.13	272.80	9,14	9,30	30
CWT17	Cooling Tower No.17 (4)	VOC	1877.69	2846.90	9,14,23	9,23,30	30
CWT6	Cooling Tower No.6 (4)	PM	77.13	272.80	9,14	9,30	30



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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
CWT6	Cooling Tower No.6 (4)	VOC	1877.69	2846.90	9,14,23	9,23,30	30
CWT7	Cooling Tower No.7 (4)	PM	77.13	272.80	9,14	9,30	30
CWT7	Cooling Tower No.7 (4)	VOC	1877.69	2846.90	9,14,23	9,23,30	30
CWT8	Cooling Tower No.8 (4)	PM	77.13	272.80	9,14	9,30	30
CWT8	Cooling Tower No.8 (4)	VOC	1877.69	2846.90	9,14,23	9,23,30	30
CWT9	Cooling Tower No.9 (4)	PM	77.13	272.80	9,14	9,30	30
CWT9	Cooling Tower No.9 (4)	VOC	1877.69	2846.90	9,14,23	9,23,30	30
D363	FTXNK2/ ANTIICA NT Storage Tank	VOC	1877.69	2846.90		30	30
DAOWS	WW – Sewer DA Oily Water	VOC	1877.69	2846.90		30	30
DAOWS	WW – Sewer DA Oily Water	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
DAOWS	WW – Sewer DA Oily Water	NH <sub>3</sub>	5.44	23.74		30	30
DD2	WW – Dispatching Distilling 2	VOC	1877.69	2846.90		30	30
DD2	WW – Dispatching Distilling 2	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
DD2	WW – Dispatching Distilling 2	NH <sub>3</sub>	5.44	23.74		30	30
DOCK1	Marine Loading – Dock 1	VOC	1877.69	2846.90	4	4,30	4,30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
DOCK1	Marine Loading – Dock 1	Benzene	10.96	30.36	4	4,30	4,30
DOCK1	Marine Loading – Dock 1	H <sub>2</sub> S	29.61	85.77		30	30
DOCK2	Marine Loading – Dock 2	VOC	1877.69	2846.90	4	4,30	4,30
DOCK2	Marine Loading – Dock 2	Benzene	10.96	30.36	4	4,30	4,30
DOCK2	Marine Loading – Dock 2	H <sub>2</sub> S	29.61	85.77		30	30
DOCK4	Marine Loading – Dock 4	VOC	1877.69	2846.90	4	4,30	4,30
DOCK4	Marine Loading – Dock 4	Benzene	10.96	30.36	4	4,30	4,30
DOCK4	Marine Loading – Dock 4	H <sub>2</sub> S	29.61	85.77		30	30
DOCKS	Dock Wastewater Collection	VOC	1877.69	2846.90		30	30
DOCKS	Dock Wastewater Collection	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
DOCKS	Dock Wastewater Collection	NH <sub>3</sub>	5.44	23.74		30	30
DW103	DW103 Storage Tank	VOC	1877.69	2846.90		30	30
DW104	DW104 Storage Tank	VOC	1877.69	2846.90		30	30
DYARDOWS	WW – Sewer D Yard Oily Water	VOC	1877.69	2846.90		30	30
DYARDOWS	WW – Sewer D Yard Oily Water	Benzene	10.96	30.36	3,4	3,4,30	3,4,30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
DYARDOWS	WW – Sewer D Yard Oily Water	NH <sub>3</sub>	5.44	23.74		30	30
F314	F314 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
F314	F314 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
F315	F315 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
F315	F315 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
F316	F316 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
F316	F316 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
F317	F317 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
F317	F317 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
F325	F325 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
F326	F326 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
F338	F338 Storage Tank	VOC	1877.69	2846.90	17	17,30	30
F338	F338 Storage Tank	Benzene	10.96	30.36	17	17,30	30
F338	F338 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
F364	F364 Storage Tank	VOC	1877.69	2846.90	2,4,17	2,4,17,30	2,4,30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
F365	F365 Storage Tank	VOC	1877.69	2846.90	2,4,17	2,4,17,30	2,4,30
F366	F366 Storage Tank	VOC	1877.69	2846.90	2,4,17	2,4,17,30	2,4,30
F367	F367 Storage Tank	VOC	1877.69	2846.90	2,4,17	2,4,17,30	2,4,30
FLARECCU	CCU Flare	NO <sub>x</sub>	495.45	1825.00	24	30	30
FLARECCU	CCU Flare	CO (5)	777.95	2688.22	24	30	30
FLARECCU	CCU Flare	VOC	1877.69	2846.90	2,4,24	2,4,30	2,4,30
FLARECCU	CCU Flare	H <sub>2</sub> S	5.44	23.74	24	30	30
FLARECOKE	Coker Flare	NO <sub>x</sub>	495.45	1825.00	24	30	30
FLARECOKE	Coker Flare	CO (5)	777.95	2688.22	24	30	30
FLARECOKE	Coker Flare	SO <sub>2</sub>	2050.72	5259.84	24	30	30
FLARECOKE	Coker Flare	VOC	1877.69	2846.90	2,24	2,30	2,30
FLARECOKE	Coker Flare	H <sub>2</sub> S	29.61	85.77	2,24	2,30	2,30
FLAREEP	East Property Flare	NO <sub>x</sub>	495.45	1825.00	24	30	30
FLAREEP	East Property Flare	CO (5)	777.95	2688.22	24	30	30
FLAREEP	East Property Flare	SO <sub>2</sub>	2050.72	5259.84	24	30	30
FLAREEP	East Property Flare	VOC	1877.69	2846.90	2,3,4,24	2,3,4,30	2,3,4,30
FLAREEP	East Property Flare	H <sub>2</sub> S	29.61	85.77	2,24	2,30	2,30
FLAREGIRB	EP (Girbitol) Flare	NO <sub>x</sub>	495.45	1825.00	24	30	30
FLAREGIRB	EP (Girbitol) Flare	CO (5)	777.95	2688.22	24	30	30
FLAREGIRB	EP (Girbitol) Flare	SO <sub>2</sub>	2050.72	5259.84	24	30	30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
FLAREGIRB	EP (Girbitol) Flare	VOC	1877.69	2846.90	2,4,24	2,4,30	2,4,30
FLAREGIRB	EP (Girbitol) Flare	H <sub>2</sub> S	29.61	85.77	2,24	2,30	30
FLARELHT	LHT Flare	NO <sub>x</sub>	495.45	1825.00	24	30	30
FLARELHT	LHT Flare	CO (5)	777.95	2688.22	24	30	30
FLARELHT	LHT Flare	SO <sub>2</sub>	2050.72	5259.84	24	30	30
FLARELHT	LHT Flare	VOC	1877.69	2846.90	24	30	30
FLARELHT	LHT Flare	H <sub>2</sub> S	29.61	85.77	24	30	30
FLARENPNP	North property Flare	NO <sub>x</sub>	495.45	1825.00	24	30	30
FLARENPNP	North property Flare	CO (5)	777.95	2688.22	24	30	30
FLARENPNP	North property Flare	SO <sub>2</sub>	2050.72	5259.84	24	30	30
FLARENPNP	North property Flare	VOC	1877.69	2846.90	2,4,24	2,4,30	2,4,30
FLARENPNP	North property Flare	H <sub>2</sub> S	29.61	85.77	2,24	2,30	2,30
FLARESOUTH	South Property Flare	NO <sub>x</sub>	495.45	1825.00	24	30	30
FLARESOUTH	South Property Flare	CO (5)	777.95	2688.22	24	30	30
FLARESOUTH	South Property Flare	SO <sub>2</sub>	2050.72	5259.84	24	30	30
FLARESOUTH	South Property Flare	VOC	1877.69	2846.90	2,4,24	2,4,30	2,4,30
FLARESOUTH	South Property Flare	H <sub>2</sub> S	29.61	85.77	24	30	30
FLAREWEP	West Property Flare	NO <sub>x</sub>	495.45	1825.00	24	30	30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
FLAREWP	West Property Flare	CO (5)	777.95	2688.22	24	30	30
FLAREWP	West Property Flare	SO <sub>2</sub>	2050.72	5259.84	24	30	30
FLAREWP	West Property Flare	VOC	1877.69	2846.90	2,3,4,24	2,3,4,30	2,3,4,30
FLAREWP	West Property Flare	H <sub>2</sub> S	29.61	85.77	2,24	2,30	2,30
FP182	FP182 Storage Tank	VOC	1877.69	2846.90		30	30
FP190	FP190 Storage Tank	VOC	1877.69	2846.90		30	30
FP194	FP194 Storage Tank	VOC	1877.69	2846.90		30	30
FP195	FP195 Storage Tank	VOC	1877.69	2846.90		30	30
FP200	FP200 Storage Tank	VOC	1877.69	2846.90		30	30
FUGALKY	Alky Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGALKY	Alky Fugitives (4)	H <sub>2</sub> S	29.61	85.77	9,11,14	9,11,15,30	15,30
FUGAYARD	Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGAYARD	Fugitives (4)	H <sub>2</sub> S	29.61	85.77	9,11,14	9,11,15,30	15,30
FUGCCU	FCCU Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGCCU	FCCU Fugitives (4)	Benzene	10.96	30.36	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGCCU	FCCU Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
FUGCCU	FCCU Fugitives (4)	NH <sub>3</sub>	5.44	23.74	14	11,15,30	15,30
FUGCFH	CFH Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGCFH	CFH Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGCCUSCR	FCCU SCR Fugitives (4)	Benzene	10.96	30.36	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGCCUSCR	FCCU SCR Fugitives (4)	NH <sub>3</sub>	5.44	23.74	14	15,30	15,30
FUGCGHT	CGHT Fugitives (4)	VOC	1877.69	2846.90	2,4,10,14	2,4,10,15,30	2,4,15,30
FUGCOKER	Coke Handling Fugitives (4)	VOC	1877.69	2846.90	2,4,10,14	2,4,15,10,30	2,4,15,30
FUGCOKER	Coke Handling Fugitives (4)	Benzene	10.96	30.36	2,3,4,10,14	2,3,4,10,30	2,3,4,30
FUGCOKER	Coke Handling Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,30	30
FUGCOKER	Coke Handling Fugitives (4)	NH <sub>3</sub>	5.44	23.74	14	30	30
FUGCOKEPM1	Coke Pile Wind Erosion Fugitives (4)	PM	77.13	272.80	19	19,30	30
FUGCOKEPM1A	Coke Pile 2 Fugitives (4)	PM	77.13	272.80	19	19,30	30
FUGCOKEPM2	Coke Pile Crane Fugitives (4)	PM	77.13	272.80		30	30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
FUGCOKEPM3	Coke Crusher Fugitives (4)	PM	77.13	272.80		30	30
FUGCOKEPM4	Coke Crusher Discharge Fugitives (4)	PM	77.13	272.80		30	30
FUGCOKEPM5	Coke Transfer Conveyor Fugitives (4)	PM	77.13	272.80		30	30
FUGCOKEPM6	Coke Conveyor Discharge Fugitives (4)	PM	77.13	272.80		30	30
FUGCOKEPM7	Coke Barge Loading Fugitives (4)	PM	77.13	272.80		30	30
FUGCPU	CPU Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGCPU	CPU Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGCR3	CR3 Fugitives (4)	VOC	1877.69	2846.90	2,4,10,14	2,4,10,15,30	2,4,15,30
FUGCR3	CR3 Fugitives (4)	Benzene	10.96	30.36	2,4,10,14	2,4,10,15,30	2,4,15,30
FUGCR3	CR3 Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGCR3SCR	CR3 SCR Fugitives (4)	NH <sub>3</sub>	5.44	23.74	14	15,30	15,30
FUGCR3TF	Hydroprocessing Tank Farm (4)	VOC	1877.69	2846.90	2,4,14	2,4,15,30	2,4,15,30
FUGCR3TF	Hydroprocessing Tank Farm (4)	Benzene	10.96	30.36	2,3,4,14	2,3,4,15,30	2,3,4,15,30



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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
FUGCR3TF	Hydroprocessing Tank Farm (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGDHT	DHT Fugitives (4)	VOC	1877.69	2846.90	2,4,10,14	2,4,10,15,30	2,4,15,30
FUGDHT	DHT Fugitives (4)	Benzene	10.96	30.36	2,4,10,14	2,4,10,15,30	2,4,15,30
FUGDHT	DHT Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGDHT	DHT Fugitives (4)	NH <sub>3</sub>	5.44	23.74	14	15,30	15,30
FUGDISP	DISP Fugitives (4)	VOC	1877.69	2846.90	2,4,14	2,4,15,30	2,4,15,30
FUGDISP	DISP Fugitives (4)	Benzene	10.96	30.36	2,4,14	2,4,15,30	2,4,15,30
FUGDISP	DISP Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGDISP	DISP Fugitives (4)	NH <sub>3</sub>	5.44	23.74	14	15,30	15,30
FUGDOCK	Dock Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGDOCK	Dock Fugitives (4)	Benzene	10.96	30.36	2,3,4,9,14	2,3,4,9,15,30	2,3,4,15,30
FUGDOCK	Dock Fugitives (4)	NH <sub>3</sub>	5.44	23.74	14	15,30	15,30
FUGDU1	DU1 Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGDU1	DU1 Fugitives (4)	Benzene	10.96	30.36	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGDU1	DU1 Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
FUGDU2	DU2 Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGDU2	DU2 Fugitives (4)	Benzene	10.96	30.36	2,3,4,9,14	2,3,4,9,15,30	2,3,4,15,30
FUGDU2	DU2 Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGDU2	DU2 Fugitives (4)	NH <sub>3</sub>	5.44	23.74	14	15,30	15,30
FUGDU2B	DU3 Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGDU2B	DU3 Fugitives (4)	Benzene	10.96	30.36	2,3,4,9,14	2,3,4,9,15,30	2,3,4,15,30
FUGENVN	Environmental North Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGENVN	Environmental North Fugitives (4)	Benzene	10.96	30.36	2,3,4,9,14	2,3,4,9,15,30	2,3,4,15,30
FUGGASTR	GASTR Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGGFRAC	GFRAC Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGGFRAC	GFRAC Fugitives (4)	Benzene	10.96	30.36	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGGFRAC	GFRAC Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGGIRBIT	Girbitol Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGGIRBIT	Girbitol Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGGOHT	GOHT Fugitives (4)	VOC	1877.69	2846.90	2,4,10,14	2,4,10,15,30	2,4,15,30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
FUGGOHT	GOHT Fugitives (4)	Benzene	10.96	30.36	2,4,10,14	2,4,10,15,30	2,4,15,30
FUGGOHT	GOHT Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGGR	GR Fugitives (4)	VOC	1877.69	2846.90	2,4,14	2,4,15,30	2,4,15,30
FUGGR	GR Fugitives (4)	Benzene	10.96	30.36	2,4,14	2,4,15,30	2,4,15,30
FUGGR	GR Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGGR200	GR200 Fugitives (4)	VOC	1877.69	2846.90	4,14	4,15,30	4,15,30
FUGHDU1	HDU1 Fugitives (4)	VOC	1877.69	2846.90	2,4,10,14	2,4,10,15,30	2,4,15,30
FUGHDU1	HDU1 Fugitives (4)	Benzene	10.96	30.36	2,4,10,14	2,4,10,15,30	2,4,15,30
FUGHDU1	HDU1 Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGHDU1	HDU1 Fugitives (4)	NH <sub>3</sub>	5.44	23.74	14	15,30	15,30
FUGHP1	HP1 Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGHP1	HP1 Fugitives (4)	Benzene	10.96	30.36	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGHP1	HP1 Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGLHT2	LHT2 Fugitives (4)	VOC	1877.69	2846.90	2,4,10,14	2,4,10,15,30	2,4,15,30
FUGLHT2	LHT2 Fugitives (4)	Benzene	10.96	30.36	2,4,10,14	2,4,10,15,30	2,4,15,30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
FUGLHT2	LHT2 Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGMTBE	MTBE Fugitives (4)	VOC	1877.69	2846.90	4,9,14	4,9,15,30	4,15,30
FUGPLAT2	PLAT2 Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGPLAT2	PLAT2 Fugitives (4)	Benzene	10.96	30.36	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGPLAT2	PLAT2 Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGPOSTFRAC	POSTCFR AC Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGPSA	PSA Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGPSA	PSA Fugitives (4)	Benzene	10.96	30.36	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGSGP	SGP Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGSGP	SGP Fugitives (4)	Benzene	10.96	30.36	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGSGP	SGP Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGSHCU	SHCU Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGSHCU	SHCU Fugitives (4)	Benzene	10.96	30.36	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGSHCU	SHCU Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGSR3/4	SR3/4 Fugitives (4)	VOC	1877.69	2846.90	2,10,14	2,10,15,30	2,15,30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
FUGSR5	SR5 Fugitives (4)	VOC	1877.69	2846.90	2,10,14	2,10,15,30	2,15,30
FUGSR5	SR5 Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGSR6	SR6 Fugitives (4)	VOC	1877.69	2846.90	2,10,14	2,10,15,30	2,15,30
FUGSR6	SR6 Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGSR6	SR6 Fugitives (4)	NH <sub>3</sub>	5.44	23.74	14	15,30	15,30
FUGSR7	SR7 Fugitives (4)	VOC	1877.69	2846.90	2,10,14	2,10,15,30	2,15,30
FUGSR7	SR7 Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGSR7	SR7 Fugitives (4)	NH <sub>3</sub>	5.44	23.74	14	15,30	15,30
FUGSR8	SR8 Fugitives (4)	VOC	1877.69	2846.90	2,10,14	2,10,15,30	2,15,30
FUGSR8	SR8 Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGSR8	SR8 Fugitives (4)	NH <sub>3</sub>	5.44	23.74	14	15,30	15,30
FUGTHCR	Thermal Cracking Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGTHCR	Thermal Cracking Fugitives (4)	Benzene	10.96	30.36	2,4,9,14	2,4,9,15,30	2,4,15,30
FUGTHCR	Thermal Cracking Fugitives (4)	H <sub>2</sub> S	29.61	85.77	11,14	11,15,30	15,30
FUGWBT	West Blend Tank Fugitives (4)	VOC	1877.69	2846.90	2,4,9,14	2,4,9,15,30	2,4,15,30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
G308	G308 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
G308	G308 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
G309	G309 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
G309	G309 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
G310	G310 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
G310	G310 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
G311	G311 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
G311	G311 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
G313	G313 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
G313	G313 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
G314	G314 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
G315	G315 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
G315	G315 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
G316	G316 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
G316	G316 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
G317	G317 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
G319	G319 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
G320	G320 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
G320	G320 Storage Tank	Benzene	10.96	30.36	4	4,30	4,30
G322	G322 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
G322	G322 Storage Tank	Benzene	10.96	30.36	4	4,30	4,30
G323	G323 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
G323	G323 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
G326	G326 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
G326	G326 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
G327	G327 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
G327	G327 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
G328	G328 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
G328	G328 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
G329	G329 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
G329	G329 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
G332	G332 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
G332	G332 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
G332	G332 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
G342	G342 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
G342	G342 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
G345	G345 Storage Tank	VOC	1877.69	2846.90	2,17	2,17,30	2,30
G346	G346 Storage Tank	VOC	1877.69	2846.90	2,17	2,17,30	2,30
G346	G346 Storage Tank	Benzene	10.96	30.36	2,17	2,17,30	2,30
G347	G347 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
G348	G347 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
G348	G348 Storage Tank	Benzene	10.96	30.36	4	4,30	4,30
G352	G352 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
G354	G354 Storage Tank	VOC	1877.69	2846.90	17	17,30	30



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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
G355	G355 Storage Tank	VOC	1877.69	2846.90	17	17,30	30
G355	G355 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
G356	G356 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
G356	G356 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
G357	G357 Storage Tank	VOC	1877.69	2846.90	17	17,30	30
G357	G357 Storage Tank	Benzene	10.96	30.36	17	17,30	30
G358	G358 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
G358	G358 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
G360	G360 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
G360	G360 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
G361	G361 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
GIRBOTWW	WW Collection in Girbitol	VOC	1877.69	2846.90		30	30
GIRBOTWW	WW Collection in Girbitol	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
GIRBOTWW	WW Collection in Girbitol	NH <sub>3</sub>	5.44	23.74		30	30
H1000	PLAT2 Heater	NO <sub>x</sub>	495.45	1825.00	8	8,30	8,30
H1000	PLAT2 Heater	CO (5)	777.95	2688.22	8	8,30	8,30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
H1000	PLAT2 Heater	PM	77.13	272.80		30	30
H1000	PLAT2 Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H1000	Guard Bed Start-up Heater	VOC	1877.69	2846.90		30	30
H1001	Guard Bed Start-up Heater	NO <sub>x</sub>	495.45	1825.00		30	30
H1001	Guard Bed Start-up Heater	CO (5)	777.95	2688.22		30	30
H1001	Guard Bed Start-up Heater	PM	77.13	272.80		30	30
H1001	Guard Bed Start-up Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H1001	HDU-1 Charge Heater	VOC	1877.69	2846.90		30	30
H1010	HDU-1 Charge Heater	NO <sub>x</sub>	495.45	1825.00		30	30
H1010	HDU-1 Charge Heater	CO (5)	777.95	2688.22		30	30
H1010	HDU-1 Charge Heater	PM	77.13	272.80		30	30
H1010	HDU-1 Charge Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H1010	HDU-1 Reboiler Heater	VOC	1877.69	2846.90		30	30
H1011	HDU-1 Reboiler Heater	NO <sub>x</sub>	495.45	1825.00		30	30
H1011	HDU-1 Reboiler Heater	CO (5)	777.95	2688.22		30	30
H1011	HDU-1 Reboiler Heater	PM	77.13	272.80		30	30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
H1011	HDU-1 Reboiler Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H1011	HDU-1 Reboiler Heater	VOC	1877.69	2846.90		30	30
H1100	DHT Heater	NO <sub>x</sub>	495.45	1825.00		30	30
H1100	DHT Heater	CO (5)	777.95	2688.22		30	30
H1100	DHT Heater	PM	77.13	272.80		30	30
H1100	DHT Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H1100	DHT Heater	VOC	1877.69	2846.90		30	30
H1170	CFH Heater	NO <sub>x</sub>	495.45	1825.00		30,33	30
H1170	CFH Heater	CO (5)	777.95	2688.22		30	30
H1170	CFH Heater	PM	77.13	272.80		30	30
H1170	CFH Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	30
H1170	CFH Heater	VOC	1877.69	2846.90		30	30
H31001/2	Coker heater No. 1 and 2	NO <sub>x</sub>	495.45	1825.00	8	8,30	8,30
H31001/2	Coker heater No. 1 and 2	CO (5)	777.95	2688.22	8	8,30	8,30
H31001/2	Coker heater No. 1 and 2	PM	77.13	272.80		30	30
H31001/2	Coker heater No. 1 and 2	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H31001/2	Coker heater No. 1 and 2	VOC	1877.69	2846.90		30	30
H31003	Coker Heater #3	NO <sub>x</sub>	495.45	1,825.00	7,8	7,8,30	7,8,30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
H31003	Coker Heater #3	CO (5)	777.95	2688.22	7,8	7,8,30	7,8,30
H31003	Coker Heater #3	PM	77.13	272.80		30	30
H31003	Coker Heater #3	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H31003	Coker Heater #3	VOC	1877.69	2846.90		30	30
H3300	DHT H <sub>2</sub> Heater	NO <sub>x</sub>	495.45	1825.00	7	7,30	7,30
H3300	DHT H <sub>2</sub> Heater	CO (5)	777.95	2688.22	7	7,30	7,30
H3300	DHT H <sub>2</sub> Heater	PM	77.13	272.80		30	30
H3300	DHT H <sub>2</sub> Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H3300	DHT H <sub>2</sub> Heater	VOC	1877.69	2846.90		30	30
H36100	CGHT Heater	NO <sub>x</sub>	495.45	1825.00		30	30
H36100	CGHT Heater	CO (5)	777.95	2688.22		30	30
H36100	CGHT Heater	PM	77.13	272.80		30	30
H36100	CGHT Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H36100	CGHT Heater	VOC	1877.69	2846.90		30	30
H5100	DU-2 South Crude Heater	NO <sub>x</sub>	495.45	1825.00	7,8	7,8,30,35	7,8,30
H5100	DU-2 South Crude Heater	CO (5)	777.95	2688.22	7,8	7,8,30	7,8,30
H5100	DU-2 South Crude Heater	PM	77.13	272.80		30	30
H5100	DU-2 South Crude Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
H5100	DU-2 South Crude Heater	VOC	1877.69	2846.90		30	30
H5101	DU-2 North Crude Heater	NO <sub>x</sub>	495.45	1825.00	7,8	7,8,30,36	7,8,30
H5101	DU-2 North Crude Heater	CO (5)	777.95	2688.22	7,8	7,8,30	7,8,30
H5101	DU-2 North Crude Heater	PM	77.13	272.80		30	30
H5101	DU-2 North Crude Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H5101	DU-2 North Crude Heater	VOC	1877.69	2846.90		30	30
H5102	DU-2 South Flasher Charge Heater	NO <sub>x</sub>	495.45	1825.00	8	8,30	8,30
H5102	DU-2 South Flasher Charge Heater	CO (5)	777.95	2688.22	8	8,30	8,30
H5102	DU-2 South Flasher Charge Heater	PM	77.13	272.80		30	30
H5102	DU-2 South Flasher Charge Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H5102	DU-2 South Flasher Charge Heater	VOC	1877.69	2846.90		30	30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
H5103	DU-2 North Flasher Charge Heater	NO <sub>x</sub>	495.45	1825.00	8	8,30	8,30
H5103	DU-2 North Flasher Charge Heater	CO (5)	777.95	2688.22	8	8,30	8,30
H5103	DU-2 North Flasher Charge Heater	PM	77.13	272.80		30	30
H5103	DU-2 North Flasher Charge Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H5103	DU-2 North Flasher Charge Heater	VOC	1877.69	2846.90		30	30
H5104	DU-2 Preflash Heater	NO <sub>x</sub>	495.45	1,825.00	7,8	7,8,30	7,8,30
H5104	DU-2 Preflash Heater	CO (5)	777.95	2688.22	7,8	7,8,30	7,8,30
H5104	DU-2 Preflash Heater	PM	77.13	272.80		30	30
H5104	DU-2 Preflash Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H5104	DU-2 Preflash Heater	VOC	1877.69	2846.90		30	30
H5105	DU-2 Preflash2 Heater	NO <sub>x</sub>	495.45	1,825.00	7	7,30	7,30
H5105	DU-2 Preflash2 Heater	CO (5)	777.95	2688.22	7	7,30	7,30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
H5105	DU-2 Preflash2 Heater	PM	77.13	272.80		30	30
H5105	DU-2 Preflash2 Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H5105	DU-2 Preflash2 Heater	VOC	1877.69	2846.90		30	30
H5200	HDU-2 Charge Heater	NO <sub>x</sub>	495.45	1825.00		30	30
H5200	HDU-2 Charge Heater	CO (5)	777.95	2688.22		30	30
H5200	HDU-2 Charge Heater	PM	77.13	272.80		30	30
H5200	HDU-2 Charge Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H5200	HDU-2 Charge Heater	VOC	1877.69	2846.90		30	30
H53NN	Catalytic Reformer SCR	NO <sub>x</sub>	495.45	1825.00	4,7,8	4,7,8,30,34	4,7,8,30
H53NN	Catalytic Reformer SCR	CO (5)	777.95	2688.22	4,7,8	4,8,7,30	4,7,8,30
H53NN	Catalytic Reformer SCR	PM	77.13	272.80	4	4,30	4,30
H53NN	Catalytic Reformer SCR	SO <sub>2</sub>	2050.72	5259.84	2,4	2,4,30	2,4,30
H53NN	Catalytic Reformer SCR	VOC	1877.69	2846.90	4	4,30	4,30
H53NN	Catalytic Reformer SCR	NH <sub>3</sub>	5.44	23.74	4	4,30	4,30
H5400	SHCU South Charge Heater	NO <sub>x</sub>	495.45	1825.00		30	30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
H5400	SHCU South Charge Heater	CO (5)	777.95	2688.22		30	30
H5400	SHCU South Charge Heater	PM	77.13	272.80		30	30
H5400	SHCU South Charge Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H5400	SHCU South Charge Heater	VOC	1877.69	2846.90		30	30
H5402	SHCU Reboiler Heater	NO <sub>x</sub>	495.45	1825.00	8	8,30	8,30
H5402	SHCU Reboiler Heater	CO (5)	777.95	2688.22	8	8,30	8,30
H5402	SHCU Reboiler Heater	PM	77.13	272.80		30	30
H5402	SHCU Reboiler Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H5402	SHCU Reboiler Heater	VOC	1877.69	2846.90		30	30
H5403	SHCU North Charge Heater	NO <sub>x</sub>	495.45	1825.00		30	30
H5403	SHCU North Charge Heater	CO (5)	777.95	2688.22		30	30
H5403	SHCU North Charge Heater	PM	77.13	272.80		30	30
H5403	SHCU North Charge Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30



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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
H5403	SHCU North Charge Heater	VOC	1877.69	2846.90		30	30
H5404	SHCU Post-Frac Heater	NO <sub>x</sub>	495.45	1,825.00	7,8	7,8,30	7,8,30
H5404	SHCU Post-Frac Heater	CO	777.95	2,688.22	7,8	7,8,30	7,8,30
H5404	SHCU Post-Frac Heater	PM	77.13	272.80		30	30
H5404	SHCU Post-Frac Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H5404	SHCU Post-Frac Heater	VOC	1877.69	2846.90		30	30
H5500A	SMR Heater A	NO <sub>x</sub>	495.45	1825.00	8	8,30	8,30
H5500A	SMR Heater A	CO (5)	777.95	2688.22	8	8,30	8,30
H5500A	SMR Heater A	PM	77.13	272.80		30	30
H5500A	SMR Heater A	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H5500A	SMR Heater A	VOC	1877.69	2846.90		30	30
H5500B	SMR Heater B	NO <sub>x</sub>	495.45	1825.00	8	8,30	8,30
H5500B	SMR Heater B	CO (5)	777.95	2688.22	8	8,30	8,30
H5500B	SMR Heater B	PM	77.13	272.80		30	30
H5500B	SMR Heater B	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H5500B	SMR Heater B	VOC	1877.69	2846.90		30	30
H5500C	SMR Heater C	NO <sub>x</sub>	495.45	1825.00	8	8,30	8,30
H5500C	SMR Heater C	CO (5)	777.95	2688.22	8	8,30	8,30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
H5500C	SMR Heater C	PM	77.13	272.80		30	30
H5500C	SMR Heater C	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H5500C	SMR Heater C	VOC	1877.69	2846.90		30	30
H5600	SGP Heat Medium Heater	NO <sub>x</sub>	495.45	1825.00	8	8,30	8,30
H5600	SGP Heat Medium Heater	CO (5)	777.95	2688.22	8	8,30	8,30
H5600	SGP Heat Medium Heater	PM	77.13	272.80		30	30
H5600	SGP Heat Medium Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H5600	SGP Heat Medium Heater	VOC	1877.69	2846.90		30	30
H600	CCU CO Boiler	NO <sub>x</sub>	56.88	124.56	7,8	7,8,32	7,8
H600	CCU CO Boiler	CO	346.32	1402.62	2,4,7,8	2,4,7,8,32	2,4,7,8
H600	CCU CO Boiler	PM	66.00	289.08	2,4	2,4	2,4
H600	CCU CO Boiler	SO <sub>2</sub>	593.48	216.62	2,25	2,25	2
H600	CCU CO Boiler	VOC	3.20	14.02			
H600	CCU CO Boiler	NH <sub>3</sub>	5.25	23.02			
H613	DU-1 Secondary Pre-heater	NO <sub>x</sub>	495.45	1825.00	7	7,30,37	7,30
H613	DU-1 Secondary Pre-heater	CO (5)	777.95	2688.22	7	7,30	7,30
H613	DU-1 Secondary Pre-heater	PM	77.13	272.80		30	30
H613	DU-1 Secondary Pre-heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
H613	DU-1 Secondary Pre-heater	VOC	1877.69	2846.90		30	30
H63000	HVI Column Charge Heater	NO <sub>x</sub>	495.45	1825.00		30	30
H63000	HVI Column Charge Heater	CO (5)	777.95	2688.22		30	30
H63000	HVI Column Charge Heater	PM	77.13	272.80		30	30
H63000	HVI Column Charge Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H63000	HVI Column Charge Heater	VOC	1877.69	2846.90		30	30
H70001/2	GOHT Recycle Gas and Frac. Reboiler Heaters	NO <sub>x</sub>	495.45	1825.00		30	30
H70001/2	GOHT Recycle Gas and Frac. Reboiler Heaters	CO (5)	777.95	2688.22		30	30
H70001/2	GOHT Recycle Gas and Frac. Reboiler Heaters	PM	77.13	272.80		30	30
H70001/2	GOHT Recycle Gas and Frac. Reboiler Heaters	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
H70001/2	GOHT Recycle Gas and Frac. Reboiler Heaters	VOC	1877.69	2846.90		30	30
H850S1	PERC Heater – North Stack	NO <sub>x</sub>	495.45	1825.00		30	30
H850S1	PERC Heater – North Stack	CO (5)	777.95	2688.22		30	30
H850S1	PERC Heater – North Stack	PM	77.13	272.80		30	30
H850S1	PERC Heater – North Stack	SO <sub>2</sub>	2050.72	5259.84	25	25,30	30
H850S1	PERC Heater – North Stack	VOC	1877.69	2846.90		30	30
H850S2	PERC Heater – South Stack	NO <sub>x</sub>	495.45	1825.00		30	30
H850S2	PERC Heater – South Stack	CO (5)	777.95	2688.22		30	30
H850S2	PERC Heater – South Stack	PM	77.13	272.80		30	30
H850S2	PERC Heater – South Stack	SO <sub>2</sub>	2050.72	5259.84	25	25,30	30
H850S2	PERC Heater – South Stack	VOC	1877.69	2846.90		30	30
H9150R1	Heater	NO <sub>x</sub>	495.45	1825.00		30	30
H9150R1	Heater	CO (5)	777.95	2688.22		30	30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
H9150R1	Heater	PM	77.13	272.80		30	30
H9150R1	Heater	SO <sub>2</sub>	2050.72	5259.84	2,25	2,25,30	2,30
H9150R1	Heater	VOC	1877.69	2846.90		30	30
HVIOWS	WW – Sewer HVI Oily Water	VOC	1877.69	2846.90		30	30
HVIOWS	WW – Sewer HVI Oily Water	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
J301B	J301B Storage Tank	VOC	1877.69	2846.90		30	30
J302B	J302B Storage Tank	VOC	1877.69	2846.90		30	30
J303B	J303B Storage Tank	VOC	1877.69	2846.90		30	30
J303B	J303B Storage Tank	Benzene	10.96	30.36		30	30
J304	J304 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
J304	J304 Storage Tank	Benzene	10.96	30.36	4	4,30	4,30
J305B	J305 Storage Tank	VOC	1877.69	2846.90		30	30
J306	J303B Storage Tank	VOC	1877.69	2846.90		30	30
J308	J308 Storage Tank	VOC	1877.69	2846.90		30	30
J308	J308 Storage Tank	Benzene	10.96	30.36		30	30
J309	J309 Storage Tank	VOC	1877.69	2846.90		30	30
J309	J309 Storage Tank	Benzene	10.96	30.36		30	30
J311	J311 Storage Tank	VOC	1877.69	2846.90		30	30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
J311	J311 Storage Tank	Benzene	10.96	30.36		30	30
J312	J312 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
J312	J312 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
J315	J315 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
J315	J315 Storage Tank	Benzene	10.96	30.36	4	4,30	4,30
J316	J316 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
J316	J316 Storage Tank	Benzene	10.96	30.36	4	4,30	4,30
J317	J317 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
J317	J317 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
J317	J317 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
J318B	S318B Storage Tank	VOC	1877.69	2846.90	2,4,17	2,4,17,30	2,4,30
J318B	S318B Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
J318B	S318B Storage Tank	NH <sub>3</sub>	5.44	23.74	17	17,30	30
J320	J320 Storage Tank	VOC	1877.69	2846.90	17	17,30	30
J320	J320 Storage Tank	Benzene	10.96	30.36	17	17,30	30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
J322	J322 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
J322	J322 Storage Tank	Benzene	10.96	30.36	4	4,30	4,30
J323	J323 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
J323	J323 Storage Tank	Benzene	10.96	30.36	4	4,30	4,30
J324	J324 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
J324	J324 Storage Tank	Benzene	10.96	30.36	4	4,30	4,30
J324	J324 Storage Tank	H <sub>2</sub> S	29.61	85.77		30	30
J325	J325 Storage Tank	VOC	1877.69	2846.90		30	30
J325	J325 Storage Tank	H <sub>2</sub> S	29.61	85.77		30	30
J326	J326 Storage Tank	VOC	1877.69	2846.90		30	30
J326	J326 Storage Tank	Benzene	10.96	30.36		30	30
J326	J326 Storage Tank	H <sub>2</sub> S	29.61	85.77		30	30
J327	J327 Storage Tank	VOC	1877.69	2846.90		30	30
J327	J327 Storage Tank	Benzene	10.96	30.36		30	30
J327	J327 Storage Tank	H <sub>2</sub> S	29.61	85.77		30	30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
J328	J328 Storage Tank	VOC	1877.69	2846.90		30	30
J328	J328 Storage Tank	Benzene	10.96	30.36		30	30
J328	J328 Storage Tank	H <sub>2</sub> S	29.61	85.77		30	30
J329	J329 Storage Tank	VOC	1877.69	2846.90		30	30
J330	J330 Storage Tank	VOC	1877.69	2846.90		30	30
J331	J331 Storage Tank	VOC	1877.69	2846.90		30	30
J331	J331 Storage Tank	H <sub>2</sub> S	29.61	85.77		30	30
J332	J332 Storage Tank	VOC	1877.69	2846.90		30	30
J332	J332 Storage Tank	H <sub>2</sub> S	29.61	85.77		30	30
J336	J336 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
J336	J336 Storage Tank	Benzene	10.96	30.36	4	4,30	4,30
J337	J337 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
J337	J337 Storage Tank	Benzene	10.96	30.36	4	4,30	4,30
J338	J338 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
J338	J338 Storage Tank	Benzene	10.96	30.36	4	4,30	4,30
J340	J340 Storage Tank	VOC	1877.69	2846.90		30	30
J348	J348 Storage Tank	VOC	1877.69	2846.90		30	30



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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
J348	J348 Storage Tank	Benzene	10.96	30.36		30	30
J348	J348 Storage Tank	H <sub>2</sub> S	29.61	85.77		30	30
J349	J349 Storage Tank	VOC	1877.69	2846.90		30	30
J349	J349 Storage Tank	Benzene	10.96	30.36		30	30
J349	J349 Storage Tank	H <sub>2</sub> S	29.61	85.77		30	30
K301	K301 Storage Tank	VOC	1877.69	2846.90		30	30
K302	K302 Storage Tank	VOC	1877.69	2846.90		30	30
K303	K303 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
K303	K303 Storage Tank	Benzene	10.96	30.36	4	4,30	4,30
K304	K304 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
K304	K304 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
K306	K306 Storage Tank	VOC	1877.69	2846.90		30	30
K310	K310 Storage Tank	VOC	1877.69	2846.90		30	30
K311	K311 Storage Tank	VOC	1877.69	2846.90		30	30
L2COMPVT	L2COMPV T Vent	VOC	1877.69	2846.90		30	30
L2COMPVT	L2COMPV T Vent	H <sub>2</sub> S	29.61	85.77		30	30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
LDSULF67	SR6 and SR7 Loading Rack	H <sub>2</sub> S	29.61	85.77		30	30
LEUOWS	WW – Sewer LEU Oily Water	VOC	1877.69	2846.90		30	30
LEUOWS	WW – Sewer LEU Oily Water	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
LEUOWS	WW – Sewer LEU Oily Water	NH <sub>3</sub>	5.44	23.74		30	30
LHT1OWS	WW – Sewer LHT1 Oily Water	VOC	1877.69	2846.90		30	30
LHT1OWS	WW – Sewer LHT1 Oily Water	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
LHT1OWS	WW – Sewer LHT1 Oily Water	H <sub>2</sub> S	29.61	85.77		30	30
LHT1OWS	WW – Sewer LHT1 Oily Water	NH <sub>3</sub>	5.44	23.74		30	30
LHT2OWS	WW – Sewer LHT2 Oily Water	VOC	1877.69	2846.90		30	30
LHT2OWS	WW – Sewer LHT2 Oily Water	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
LHT2OWS	WW – Sewer LHT2 Oily Water	H <sub>2</sub> S	29.61	85.77		30	30
LHT2OWS	WW – Sewer LHT2 Oily Water	NH <sub>3</sub>	5.44	23.74		30	30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
LOADOWS	WW – Sewer Loading Racks	VOC	1877.69	2846.90		30	30
LOADOWS	WW – Sewer Loading Racks	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
LOADOWS	WW – Sewer Loading Racks	NH <sub>3</sub>	5.44	23.74		30	30
M301	Marine Fuel Oil Storage Tank	VOC	1877.69	2846.90		30	30
M302	Marine Diesel Storage Tank	VOC	1877.69	2846.90		30	30
MANHOLE4	WW – Manhole 4	VOC	1877.69	2846.90		30	30
MANHOLE4	WW – Manhole 4	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
MANHOLE4	WW – Manhole 4	NH <sub>3</sub>	5.44	23.74		30	30
MVIDEEASS	WW – Sewer DEA	VOC	1877.69	2846.90		30	30
MVIDEEASS	WW – Sewer DEA	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
MVIDEEASS	WW – Sewer DEA	H <sub>2</sub> S	29.61	85.77		30	30
MVIDEEASS	WW – Sewer DEA	NH <sub>3</sub>	5.44	23.74		30	30
MVIOWS	WW – Sewer MVI Oily Water	VOC	1877.69	2846.90		30	30
MVIOWS	WW – Sewer MVI Oily Water	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
MVIOWS	WW – Sewer MVI Oily Water	NH <sub>3</sub>	5.44	23.74		30	30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
N92252	X4HDU1 Storage Tank	VOC	1877.69	2846.90		30	30
NAB	North Aeration Basin	VOC	1877.69	2846.90		30	30
NAB	North Aeration Basin	Benzene	10.96	30.36	3	3,30	3,30
NAB	North Aeration Basin	NH <sub>3</sub>	5.44	23.74		30	30
NDAF	WW – North DAF Unit	VOC	1877.69	2846.90		30	30
NDAF	WW – North DAF Unit	Benzene	10.96	30.36	3	3,30	3,30
NDAF	WW – North DAF Unit	NH <sub>3</sub>	5.44	23.74		30	30
NONE2	FXTNK2/ Amine Neutralizer Storage Tank	VOC	1877.69	2846.90		30	30
NONE3	FXTNK2/Filmer Storage tank	VOC	1877.69	2846.90		30	30
OWATCTF	WW – Alky Tank Farm Oily Water	VOC	1877.69	2846.90		30	30
OWATCTF	WW – Alky Tank Farm Oily Water	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
OWDU1	WW – Sewer Oily Water HUB	VOC	1877.69	2846.90		30	30
OWDU1	WW – Sewer Oily Water HUB	Benzene	10.96	30.36	3,4	3,4,30	3,4,30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
OWDU1	WW – Sewer Oily Water HUB	NH <sub>3</sub>	5.44	23.74		30	30
PAINTFE	Miscellaneous Painting Fugitives	VOC	1877.69	2846.90		30	30
PAINTFE	Miscellaneous Painting Fugitives	PM	77.13	272.80		30	30
RKLBLEND	Load	VOC	1877.69	2846.90		30	30
RKLDIALA	Load	VOC	1877.69	2846.90		30	30
RKLTC	Load	VOC	1877.69	2846.90		30	30
RKLTC/TT	Load	VOC	1877.69	2846.90		30	30
RKLTC/TT	Load	H <sub>2</sub> S	29.61	85.77		30	30
RKLCTTU	Load	VOC	1877.69	2846.90		30	30
S302	S302 Storage Tank	VOC	1877.69	2846.90		30	30
S305	S305 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
S306	S306 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
S307	S307 Storage Tank	VOC	1877.69	2846.90		30	30
S310	S310 Storage Tank	VOC	1877.69	2846.90		30	30
S312	S312 Storage Tank	VOC	1877.69	2846.90		30	30
S313	S313 Storage Tank	VOC	1877.69	2846.90		30	30
S318	S318 Storage Tank	VOC	1877.69	2846.90		30	30
S325	S325 Storage Tank	VOC	1877.69	2846.90		30	30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
S326	S326 Storage Tank	VOC	1877.69	2846.90		30	30
S339	S339 Storage Tank	VOC	1877.69	2846.90	3,17	3,17,30	3,30
S348	S348 Storage Tank	VOC	1877.69	2846.90		30	30
S359	S359 Storage Tank	VOC	1877.69	2846.90		30	30
S360	S360 Storage Tank	VOC	1877.69	2846.90		30	30
S395	S395 Storage Tank	VOC	1877.69	2846.90		30	30
S401	S401 Storage Tank	VOC	1877.69	2846.90		30	30
S402	S402 Storage Tank	VOC	1877.69	2846.90		30	30
S412	S412 Storage Tank	VOC	1877.69	2846.90		30	30
S412	S412 Storage Tank	Benzene	10.96	30.36		30	30
S429	S429 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
S429	S429 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
S429	S429 Storage Tank	NH <sub>3</sub>	5.44	23.74	17	17,30	30
S430	S430 Storage Tank	VOC	1877.69	2846.90		30	30
SAB	South Aeration Basin	VOC	1877.69	2846.90		30	30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
SAB	South Aeration Basin	Benzene	10.96	30.36	3	3,30	3,30
SAB	South Aeration Basin	NH <sub>3</sub>	5.44	23.74		30	30
SDAF	WW – South DAF Unit	VOC	1877.69	2846.90		30	30
SDAF	WW – South DAF Unit	Benzene	10.96	30.36	3	3,30	3,30
SDAF	WW – South DAF Unit	NH <sub>3</sub>	5.44	23.74		30	30
SR3/4PIT	SR3/4 Sulfur Pit	VOC	1877.69	2846.90	4	4,30	4,30
SR3/4PIT	SR3/4 Sulfur Pit	H <sub>2</sub> S	29.61	85.77	4	4,30	4,30
SR3/4STACK	SR-3/4 Incinerator	NO <sub>x</sub>	495.45	1825.00	7	7,30	7,30
SR3/4STACK	SR-3/4 Incinerator	CO (5)	777.95	2688.22	7	7,30	7,30
SR3/4STACK	SR-3/4 Incinerator	PM	77.13	272.80		30	30
SR3/4STACK	SR-3/4 Incinerator	SO <sub>2</sub>	2050.72	5259.84	2,4,7,21	2,4,7,21,30	2,4,7,30
SR3/4STACK	SR-3/4 Incinerator	VOC	1877.69	2846.90		30	30
SR3/4STACK	SR-3/4 Incinerator	H <sub>2</sub> S	29.61	85.77		30	30
SR3/4WW	SR3/4 Wastewater Collection	VOC	1877.69	2846.90		30	30
SR3/4WW	SR3/4 Wastewater Collection	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
SR3/4WW	SR3/4 Wastewater Collection	NH <sub>3</sub>	5.44	23.74		30	30
SR5L01	SR5 Loading Rack	VOC	1877.69	2846.90		30	30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
SR5L01	SR5 Loading Rack	H <sub>2</sub> S	29.61	85.77		30	30
SR5L02	SR5 Loading Rack	VOC	1877.69	2846.90		30	30
SR5L02	SR5 Loading Rack	H <sub>2</sub> S	29.61	85.77		30	30
SR5STACK	SR5 Tail Gas Incinerator	NO <sub>x</sub>	495.45	1825.00		30	30
SR5STACK	SR5 Tail Gas Incinerator	CO (5)	777.95	2688.22		30	30
SR5STACK	SR5 Tail Gas Incinerator	PM	77.13	272.80		30	30
SR5STACK	SR5 Tail Gas Incinerator	SO <sub>2</sub>	2050.72	5259.84	2,4,21	2,4,21,30	2,4,30
SR5STACK	SR5 Tail Gas Incinerator	VOC	1877.69	2846.90		30	30
SR5STACK	SR5 Tail Gas Incinerator	H <sub>2</sub> S	29.61	85.77		30	30
SR6STACK	SR6 Tail Gas Incinerator	NO <sub>x</sub>	495.45	1825.00		30	30
SR6STACK	SR6 Tail Gas Incinerator	CO (5)	777.95	2688.22		30	30
SR6STACK	SR6 Tail Gas Incinerator	PM	77.13	272.80		30	30
SR6STACK	SR6 Tail Gas Incinerator	SO <sub>2</sub>	2050.72	5259.84	2,4,21	2,4,21,30	2,4,30
SR6STACK	SR6 Tail Gas Incinerator	VOC	1877.69	2846.90		30	30
SR6STACK	SR6 Tail Gas Incinerator	H <sub>2</sub> S	29.61	85.77		30	30



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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
SR7STACK	SR7 Tail Gas Incinerator	NO <sub>x</sub>	495.45	1825.00		30	30
SR7STACK	SR7 Tail Gas Incinerator	CO (5)	777.95	2688.22		30	30
SR7STACK	SR7 Tail Gas Incinerator	PM	77.13	272.80		30	30
SR7STACK	SR7 Tail Gas Incinerator	SO <sub>2</sub>	2050.72	5259.84	2,4,21	2,4,21,30	2,4,30
SR7STACK	SR7 Tail Gas Incinerator	VOC	1877.69	2846.90		30	30
SR7STACK	SR7 Tail Gas Incinerator	H <sub>2</sub> S	29.61	85.77		30	30
SR8STACK	SR8 Tail Gas Incinerator	NO <sub>x</sub>	495.45	1,825.00	7	7,30	7,30
SR8STACK	SR8 Tail Gas Incinerator	CO (5)	777.95	2688.22	7	7,30	7,30
SR8STACK	SR8 Tail Gas Incinerator	PM	77.13	272.80		30	30
SR8STACK	SR8 Tail Gas Incinerator	SO <sub>2</sub>	2050.72	5259.84	2,4,7,21	2,4,7,21,30	2,4,7,30
SR8STACK	SR8 Tail Gas Incinerator	VOC	1877.69	2846.90		30	30
SR8STACK	SR8 Tail Gas Incinerator	H <sub>2</sub> S	29.61	85.77		30	30
SRTT	SR3/4 Loading Rack	VOC	1877.69	2846.90		30	30
SRTT	SR3/4 Loading Rack	H <sub>2</sub> S	29.61	85.77		30	30
SS306	SS306 Storage Tank	VOC	1877.69	2846.90		30	30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
SS307	SS307 Storage Tank	VOC	1877.69	2846.90		30	30
SS308	SS308 Storage Tank	VOC	1877.69	2846.90		30	30
SS312	SS312 Storage Tank	VOC	1877.69	2846.90		30	30
SS314	SS314 Storage Tank	VOC	1877.69	2846.90		30	30
SS316	SS316 Storage Tank	VOC	1877.69	2846.90		30	30
SS324	SS324 Storage Tank	VOC	1877.69	2846.90		30	30
SS325	SS325 Storage Tank	VOC	1877.69	2846.90		30	30
SS335	SS335 Storage Tank	VOC	1877.69	2846.90		30	30
SS339	SS339 Storage Tank	VOC	1877.69	2846.90		30	30
SS341	SS341 Storage Tank	VOC	1877.69	2846.90		30	30
SS343	SS343 Storage Tank	VOC	1877.69	2846.90		30	30
SS343	SS343 Storage Tank	H <sub>2</sub> S	29.61	85.77		30	30
SS344	SS344 Storage Tank	VOC	1877.69	2846.90		30	30
SS348	SS348 Storage Tank	VOC	1877.69	2846.90		30	30
SS364	SS364 Storage Tank	VOC	1877.69	2846.90		30	30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
SS375	SS375 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
SS376	SS376 Storage Tank	VOC	1877.69	2846.90	2,4,17	2,4,17,30	2,4,30
SS376	SS376 Storage Tank	Benzene	10.96	30.36	2,4,17	2,4,17,30	2,4,30
SS377	SS377 Storage Tank	VOC	1877.69	2846.90	2,4,17	2,4,17,30	2,4,30
SS377	SS377 Storage Tank	Benzene	10.96	30.36	2,4,17	2,4,17,30	2,4,30
SS378	SS378 Storage Tank	VOC	1877.69	2846.90	2,4,17	2,4,17,30	2,4,30
SS378	SS378 Storage Tank	Benzene	10.96	30.36	2,4,17	2,4,17,30	2,4,30
SS379	SS379 Storage Tank	VOC	1877.69	2846.90	2,4,17	2,4,17,30	2,4,30
SS379	SS379 Storage Tank	Benzene	10.96	30.36	2,4,17	2,4,17,30	2,4,30
SS388	SS388 Storage Tank	VOC	1877.69	2846.90		30	30
SS396	SS396 Storage Tank	VOC	1877.69	2846.90		30	30
SS403	SS403 Storage Tank	VOC	1877.69	2846.90		30	30
SS403	SS403 Storage Tank	Benzene	10.96	30.36		30	30
SS425	SS425 Storage Tank	VOC	1877.69	2846.90	2,4,17	2,4,17,30	2,4,30
ST1400	X2HDU1 Storage Tank	VOC	1877.69	2846.90		30	30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
SULFUR	SR5 Sulfur Pit	VOC	1877.69	2846.90	4	4,30	4,30
SULFUR	SR5 Sulfur Pit	H <sub>2</sub> S	29.61	85.77	4	4,30	4,30
T1211	T1211 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
T1212	T1212 Storage Tank	VOC	1877.69	2846.90		30	30
T1710	T1710 Storage Tank	VOC	1877.69	2846.90		30	30
T1F323	T1F323 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
T1F323	T1F323 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
T1F324	T1F324 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
T1F324	T1F324 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
T1F329	T1F329 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
T1F329	T1F329 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
T1F330	T1F330 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
T1F330	T1F330 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
T1F348	T1F348 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
T301	T301 Storage Tank	Benzene	10.96	30.36	2,3,4,17	2,3,4,17,30	2,3,4,30
T301	T301 Storage Tank	VOC	1877.69	2846.90	2,3,4,17	2,3,4,17,30	2,3,4,30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
T301	T301 Storage Tank	NH <sub>3</sub>	5.44	23.74	17	17,30	30
T302	T302 EXTFLT Refinery WW Storage Tank	VOC	1877.69	2846.90	2,3,4,17	2,3,4,17,30	2,3,4,30
T302	T302 EXTFLT Refinery WW Storage Tank	Benzene	10.96	30.36	2,3,4,17	2,3,4,17,30	2,3,4,30
T302	T302 EXTFLT Refinery WW Storage Tank	NH <sub>3</sub>	5.44	23.74	17	17,30	30
T315	T315 Storage Tank	VOC	1877.69	2846.90		30	30
T316	T316 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
T59	T59 Storage Tank	VOC	1877.69	2846.90		30	30
T93002	T93002 Storage Tank	VOC	1877.69	2846.90	2	2,30	2,30
T93402	T93402 Storage Tank	VOC	1877.69	2846.90		30	30
TA301	TA301 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TA301	TA301 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TA301	TA301 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TA305	TA305 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
TA305	TA305 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TA305	TA305 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TA306	TA306 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TA306	TA306 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TA306	TA306 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TA307	TA307 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TA307	TA307 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TA307	TA307 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TA308	TA308 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TA308	TA308 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TA309	TA309 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TA309	TA309 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TA310	TA310 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TA310	TA310 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TA310	TA310 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
TA312	TA312 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TA312	TA312 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TA312	TA312 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TA313	TA313 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TA313	TA313 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TA313	TA313 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TA315	TA315 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TA315	TA315 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TA315	TA315 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TA316	TA316 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TA316	TA316 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TA316	TA316 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TA317	TA317 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TA317	TA317 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TA317	TA317 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
TA318	TA318 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TA318	TA318 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TA318	TA318 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TA319	TA319 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TA319	TA319 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TA319	TA319 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TA320	TA320 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TA320	TA320 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TA320	TA320 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TA321	TA321 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TA321	TA321 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TA321	TA321 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TA322	TA322 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TA322	TA322 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TA322	TA322 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30



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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
TA324	TA324 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TA324	TA324 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TA324	TA324 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TA325	TA325 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TA325	TA325 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TA325	TA325 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TA326	TA326 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TA326	TA326 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TA326	TA326 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TA329	TA329 Storage Tank	VOC	1877.69	2846.90	2,17	2,17,30	2,30
TA329	TA329 Storage Tank	Benzene	10.96	30.36	2,17	2,17,30	2,30
TA329	TA329 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TA330	TA330 Storage Tank	Benzene	10.96	30.36	2,17	2,17,30	2,30
TA330	TA330 Storage Tank	VOC	1877.69	2846.90	2,17	2,17,30	2,30
TA330	TA330 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
TA331	TA331 Storage Tank	VOC	1877.69	2846.90	2,4,17	2,4,17,30	2,4,30
TA331	TA331 Storage Tank	Benzene	10.96	30.36	2,4,17	2,4,17,30	2,4,30
TA331	TA331 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TA332	TA332 Storage Tank	VOC	1877.69	2846.90	2,4,17	2,4,17,30	2,4,30
TA332	TA332 Storage Tank	Benzene	10.96	30.36	2,4,17	2,4,17,30	2,4,30
TA332	TA332 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TA334	TA334 Storage Tank	VOC	1877.69	2846.90	2,4,17	2,4,17,30	2,4,30
TA334	TA334 Storage Tank	Benzene	10.96	30.36	2,4,17	2,4,17,30	2,4,30
TA334	TA334 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TC and G	WW – Thermal Cracking and Gas Treating	VOC	1877.69	2846.90		30	30
TC and G	WW – Thermal Cracking and Gas Treating	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
TC and G	WW – Thermal Cracking and Gas Treating	NH <sub>3</sub>	5.44	23.74		30	30
TCACIDLOAD	Acid tank Car Loading	VOC	1877.69	2846.90	2	2,30	2,30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
TG324	TG324 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TG324	TG324 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TG324	TG324 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TG362	TG362 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TG362	TG362 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TG362	TG362 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
TJ333	TJ333 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TJ333	TJ333 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TJ334	TJ334 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TJ334	TJ334 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TJ335	TJ335 Storage Tank	VOC	1877.69	2846.90	4,17	4,17,30	4,30
TJ335	TJ335 Storage Tank	Benzene	10.96	30.36	4,17	4,17,30	4,30
TJ339R1	TJ339R1 Storage Tank	VOC	1877.69	2846.90	17	17,30	30
TJ339R1	TJ339R1 Storage Tank	Benzene	10.96	30.36	17	17,30	30
TJ339R1	TJ339R1 Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
TK305	TK305 Storage Tank	VOC	1877.69	2846.90		30	30
TK305	TK305 Storage Tank	Benzene	10.96	30.36		30	30
TRKLFIL	WW – Trickle Filter	VOC	1877.69	2846.90		30	30
TRKLFIL	WW – Trickle Filter	Benzene	10.96	30.36	3	3,30	3,30
TRKLFIL	WW – Trickle Filter	NH <sub>3</sub>	5.44	23.74		30	30
TRKLSMP	WW – Trickle Sump	VOC	1877.69	2846.90		30	30
TRKLSMP	WW – Trickle Sump	Benzene	10.96	30.36	3	3,30	3,30
TRKLSMP	WW – Trickle Sump	NH <sub>3</sub>	5.44	23.74		30	30
TSR67	Molten Sulfur Tank	H <sub>2</sub> S	29.61	85.77		30	30
U301	U301 Storage Tank	VOC	1877.69	2846.90		30	30
U302	U302 Storage Tank	VOC	1877.69	2846.90		30	30
V1111	V1111 Storage Tank	VOC	1877.69	2846.90	4	4,30	4,30
V54	Vessel/Regen Gas KO Pot	VOC	1877.69	2846.90		30	30
V5518	Hydrogen Plant Vent	CO (5)	22.14	96.98			
V5518	Hydrogen Plant Vent	VOC	14.79	53.98			
V5527	Column in HP1	VOC	1877.69	2846.90		30	30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
V9160	Vent V9160	VOC	1877.69	2846.90		30	30
VA03	VA03 Storage Tank	VOC	1877.69	2846.90		30	30
VA03	VA03 Storage Tank	H <sub>2</sub> S	29.61	85.77		30	30
VA04	VA04 Storage Tank	VOC	1877.69	2846.90		30	30
VA04	VA04 Storage Tank	H <sub>2</sub> S	29.61	85.77		30	30
WAXPTOWS	WW – Sewer Wax Plant Oily Water	VOC	1877.69	2846.90		30	30
WAXPTOWS	WW – Sewer Wax Plant Oily Water	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
WAXPTOWS	WW – Sewer Wax Plant Oily Water	NH <sub>3</sub>	5.44	23.74		30	30
WAXPTWAX	WW – Sewer Wax Plant Wax	VOC	1877.69	2846.90		30	30
WAXPTWAX	WW – Sewer Wax Plant Wax	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
WAXPTWAX	WW – Sewer Wax Plant Wax	NH <sub>3</sub>	5.44	23.74		30	30
WX285	WX285 Storage Tank	VOC	1877.69	2846.90		30	30
X2HDU1	FXTNK2/ X2HDU1 Storage Tank	VOC	1877.69	2846.90		30	30
X311	INTFLT/A mine Solutions Storage Tank	VOC	1877.69	2846.90	17	17,30	30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
X311	INTFLT/A mine Solutions Storage Tank	Benzene	10.96	30.36	17	17,30	30
X311	INTFLT/A mine Solutions Storage Tank	NH <sub>3</sub>	5.44	23.74	17	17,30	30
X312	INTFLT/A mine Solutions Storage Tank	VOC	1877.69	2846.90	17	17,30	30
X312	INTFLT/A mine Solutions Storage Tank	Benzene	10.96	30.36	17	17,30	30
X312	INTFLT/A mine Solutions Storage Tank	NH <sub>3</sub>	5.44	23.74	17	17,30	30
X313	INTFLT/SI op Oil Storage Tank	VOC	1877.69	2846.90	17	17,30	30
X313	INTFLT/SI op Oil Storage Tank	Benzene	10.96	30.36	17	17,30	30
X313	INTFLT/SI op Oil Storage Tank	H <sub>2</sub> S	29.61	85.77	17	17,30	30
X315	Ballast Water Storage Tank	VOC	1877.69	2846.90	3,4,17	3,4,17,30	3,4,30
X315	Ballast Water Storage Tank	Benzene	10.96	30.36	3,4,17	3,4,17,30	3,4,30
X316	WW – DAF Float	VOC	1877.69	2846.90	3	3,30	3,30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
X316	WW – DAF Float	Benzene	10.96	30.36	3	3,30	3,30
X316	WW – DAF Float	NH <sub>3</sub>	5.44	23.74		30	30
X320	Ballast Water O/S Storage Tank	VOC	1877.69	2846.90	3,4,17	3,4,17,30	3,4,30
X320	Ballast Water O/S Storage Tank	Benzene	10.96	30.36	3,4,17	3,4,17,30	3,4,30
X321	Slop Oil Storage Tank	VOC	1877.69	2846.90	3,4,17	3,4,17,30	3,4,30
X321	Slop Oil Storage Tank	Benzene	10.96	30.36	3,4,17	3,4,17,30	3,4,30
X322	X322 Storage Tank	VOC	1877.69	2846.90	3,4,17	3,4,17,30	3,4,30
X322	X322 Storage Tank	Benzene	10.96	30.36	3,4,17	3,4,17,30	3,4,30
X323	X323 Storage Tank	VOC	1877.69	2846.90	3,4,17	3,4,17,30	3,4,30
X323	X323 Storage Tank	Benzene	10.96	30.36	3,4,17	3,4,17,30	3,4,30
X324	FXTNK2/ Misc Organic Storage Tank	VOC	1877.69	2846.90		30	30
X324	FXTNK2/ Misc Organic Storage Tank	Benzene	10.96	30.36		30	30
X325	FXTNK2/ Misc Organic Storage Tank	VOC	1877.69	2846.90		30	30

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
X325	FXTNK2/ Misc Organic Storage Tank	Benzene	10.96	30.36		30	30
X326	FXTNK2/ DAF Float Storage Tank	VOC	1877.69	2846.90		30	30
X326	FXTNK2/ DAF Float Storage Tank	Benzene	10.96	30.36		30	30
X327	FXTNK2/ DAF Float Storage Tank	VOC	1877.69	2846.90		30	30
X327	FXTNK2/ DAF Float Storage Tank	Benzene	10.96	30.36		30	30
X328	FXTNK2/ Misc Organic Storage Tank	VOC	1877.69	2846.90		30	30
X328	FXTNK2/ Misc Organic Storage Tank	Benzene	10.96	30.36		30	30
X330	WW – Equalization tank	VOC	1877.69	2846.90	2,3	2,3,30	2,3,30
X330	WW – Equalization tank	Benzene	10.96	30.36	2,3	2,3,30	2,3,30
X330	WW – Equalization tank	NH <sub>3</sub>	5.44	23.74		30	30
X330SM	WW - Sump	VOC	1877.69	2846.90		30	30
X330SM	WW - Sump	Benzene	10.96	30.36	3,4	3,4,30	3,4,30
X330SM	WW - Sump	NH <sub>3</sub>	5.44	23.74		30	30
Planned Maintenance, Startup and Shutdown (MSS) Emission rate Limits							



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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
CRUDES	Shutdown of DU-2,VF-3,VF-4,HDU-2	NO <sub>x</sub>	14.77	0.70	41	40,41	
CRUDES	Shutdown of DU-2,VF-3,VF-4,HDU-2	CO	199.70	11.46	41	40,41	
CRUDES	Shutdown of DU-2,VF-3,VF-4,HDU-2	PM	18.31	12.43	41	40,41	
CRUDES	Shutdown of DU-2,VF-3,VF-4,HDU-2	SO <sub>2</sub>	1560.81	46.29	41	40,41	
CRUDES	Shutdown of DU-2,VF-3,VF-4,HDU-2	VOC	2588.61	61.08	41	40,41	
RUDES	Shutdown of DU-2,VF-3,VF-4,HDU-2	Benzene	19.80	0.78	41	40,41	
CRUDES	Shutdown of DU-2,VF-3,VF-4,HDU-2	H <sub>2</sub> S	59.86	2.43	41	40,41	
COKERS	Shutdown of Cokers,GO HT	NO <sub>x</sub>	14.77	0.70	41	40,41	
COKERS	Shutdown of Cokers,GO HT	CO	199.70	11.46	41	40,41	
COKERS	Shutdown of Cokers,GO HT	PM	18.31	12.43	41	40,41	
COKERS	Shutdown of Cokers,GO HT	SO <sub>2</sub>	1560.81	46.29	41	40,41	
COKERS	Shutdown of Cokers,GO HT	VOC	2588.61	61.08	41	40,41	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
COKERSD	Shutdown of Cokers,GO HT	Benzene	19.80	0.78	41	40,41	
COKERSD	Shutdown of Cokers,GO HT	H <sub>2</sub> S	59.86	2.43	41	40,41	
SGPSD	Shutdown of SGP	NO <sub>x</sub>	14.77	0.70	41	40,41	
SGPSD	Shutdown of SGP	CO	199.70	11.46	41	40,41	
SGPSD	Shutdown of SGP	PM	18.31	12.43	41	40,41	
SGPSD	Shutdown of SGP	SO <sub>2</sub>	1560.81	46.29	41	40,41	
SGPSD	Shutdown of SGP	VOC	2588.61	61.08	41	40,41	
SGPSD	Shutdown of SGP	Benzene	19.80	0.78	41	40,41	
SGPSD	Shutdown of SGP	H <sub>2</sub> S	59.86	2.43	41	40,41	
SULFURSD	Shutdown of Sulfur Block	NO <sub>x</sub>	14.77	0.70	41	40,41	
SULFURSD	Shutdown of Sulfur Block	CO	199.70	11.46	41	40,41	
SULFURSD	Shutdown of Sulfur Block	PM	18.31	12.43	41	40,41	
SULFURSD	Shutdown of Sulfur Block	SO <sub>2</sub>	1560.81	46.29	41	40,41	
SULFURSD	Shutdown of Sulfur Block	VOC	2588.61	61.08	41	40,41	
SULFURSD	Shutdown of Sulfur Block	Benzene	19.80	0.78	41	40,41	
SULFURSD	Shutdown of Sulfur Block	H <sub>2</sub> S	59.86	2.43	41	40,41	
SHCUSD	Shutdown of SHCU	NO <sub>x</sub>	14.77	0.70	41	40,41	

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
SHCUSD	Shutdown of SHCU	CO	199.70	11.46	41	40,41	
SHCUSD	Shutdown of SHCU	PM	18.31	12.43	41	40,41	
SHCUSD	Shutdown of SHCU	SO <sub>2</sub>	1560.81	46.29	41	40,41	
SHCUSD	Shutdown of SHCU	VOC	2588.61	61.08	41	40,41	
SHCUSD	Shutdown of SHCU	Benzene	19.80	0.78	41	40,41	
SHCUSD	Shutdown of SHCU	H <sub>2</sub> S	59.86	2.43	41	40,41	
HP1SDSU	Shutdown/Startup of HP-1	NO <sub>x</sub>	14.77	0.70	41	40,41	
HP1SDSU	Shutdown/Startup of HP-1	CO	199.70	11.46	41	40,41	
HP1SDSU	Shutdown/Startup of HP-1	PM	18.31	12.43	41	40,41	
HP1SDSU	Shutdown/Startup of HP-1	SO <sub>2</sub>	1560.81	46.29	41	40,41	
HP1SDSU	Shutdown/Startup of HP-1	VOC	2588.61	61.08	41	40,41	
HP1SDSU	Shutdown/Startup of HP-1	Benzene	19.80	0.78	41	40,41	
HP1SDSU	Shutdown/Startup of HP-1	H <sub>2</sub> S	59.86	2.43	41	40,41	
DPREFSDSU	Shutdown/Startup of Other Units	NO <sub>x</sub>	14.77	0.70	41	40,41	
DPREFSDSU	Shutdown/Startup of Other Units	CO	199.70	11.46	41	40,41	
DPREFSDSU	Shutdown/Startup of Other Units	PM	18.31	12.43	41	40,41	
DPREFSDSU	Shutdown/Startup of Other Units	SO <sub>2</sub>	1560.81	46.29	41	40,41	

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
DPREFSDSU	Shutdown/ Startup of Other Units	VOC	2588.61	61.08	41	40,41	
DPREFSDSU	Shutdown/ Startup of Other Units	Benzene	19.80	0.78	41	40,41	
DPREFSDSU	Shutdown/ Startup of Other Units	H <sub>2</sub> S	59.86	2.43	41	40,41	
FLNFLARE	North Property Flare	NO <sub>x</sub>	14.77	0.70	41,49,50	40,41,49,50	
FLNFLARE	North Property Flare	CO	199.70	11.46	41,49,50	40,41,49,50	
FLNFLARE	North Property Flare	PM	18.31	12.43	41,49,50	40,41,49,50	
FLNFLARE	North Property Flare	SO <sub>2</sub>	1560.81	46.29	41,49,50	40,41,49,50	
FLNFLARE	North Property Flare	VOC	2588.61	61.08	41,49,50	40,41,49,50	
FLNFLARE	North Property Flare	Benzene	19.80	0.78	41,49,50	40,41,49,50	
FLNFLARE	North Property Flare	H <sub>2</sub> S	59.86	2.43	41,49,50	40,41,49,50	
COKE FLARE	Coker Flare	NO <sub>x</sub>	14.77	0.70	41,49,50	40,41,49,50	
COKE FLARE	Coker Flare	CO	199.70	11.46	41,49,50	40,41,49,50	
COKE FLARE	Coker Flare	PM	18.31	12.43	41,49,50	40,41,49,50	
COKE FLARE	Coker Flare	SO <sub>2</sub>	1560.81	46.29	41,49,50	40,41,49,50	
COKE FLARE	Coker Flare	VOC	2588.61	61.08	41,49,50	40,41,49,50	
COKE FLARE	Coker Flare	Benzene	19.80	0.78	41,49,50	40,41,49,50	
COKE FLARE	Coker Flare	H <sub>2</sub> S	59.86	2.43	41,49,50	40,41,49,50	
WP FLARE	West Property Flare	NO <sub>x</sub>	14.77	0.70	41,49,50	40,41,49,50	
WP FLARE	West Property Flare	CO	199.70	11.46	41,49,50	40,41,49,50	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
WP FLARE	West Property Flare	PM	18.31	12.43	41,49,50	40,41,49,50	
WP FLARE	West Property Flare	SO <sub>2</sub>	1560.81	46.29	41,49,50	40,41,49,50	
WP FLARE	West Property Flare	VOC	2588.61	61.08	41,49,50	40,41,49,50	
WP FLARE	West Property Flare	Benzene	19.80	0.78	41,49,50	40,41,49,50	
WP FLARE	West Property Flare	H <sub>2</sub> S	59.86	2.43	41,49,50	40,41,49,50	
EP FLARE	East Property Flare	NO <sub>x</sub>	14.77	0.70	41,49,50	40,41,49,50	
EP FLARE	East Property Flare	CO	199.70	11.46	41,49,50	40,41,49,50	
EP FLARE	East Property Flare	PM	18.31	12.43	41,49,50	40,41,49,50	
EP FLARE	East Property Flare	SO <sub>2</sub>	1560.81	46.29	41,49,50	40,41,49,50	
EP FLARE	East Property Flare	VOC	2588.61	61.08	41,49,50	40,41,49,50	
EP FLARE	East Property Flare	Benzene	19.80	0.78	41,49,50	40,41,49,50	
EP FLARE	East Property Flare	H <sub>2</sub> S	59.86	2.43	41,49,50	40,41,49,50	
TA324	MAYA Crude	NO <sub>x</sub>	14.77	0.70	44,49	40,44,49	
TA324	MAYA Crude	CO	199.70	11.46	44,49	40,44,49	
TA324	MAYA Crude	PM	18.31	12.43	44	40,44	
TA324	MAYA Crude	SO <sub>2</sub>	1560.81	46.29	44	40,44	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
TA324	MAYA Crude	VOC	2588.61	61.08	44	40,44	
TA324	MAYA Crude	Benzene	19.80	0.78	44	40,44	
TA324	MAYA Crude	H <sub>2</sub> S	59.86	2.43	44	40,44	
TA325	DUI Crude	NO <sub>x</sub>	14.77	0.70	44,49	40,44,49	
TA325	DUI Crude	CO	199.70	11.46	44,49	40,44,49	
TA325	DUI Crude	PM	18.31	12.43	44	40,44	
TA325	DUI Crude	SO <sub>2</sub>	1560.81	46.29	44	40,44	
TA325	DUI Crude	VOC	2588.61	61.08	44	40,44	
TA325	DUI Crude	Benzene	19.80	0.78	44	40,44	
TA325	DUI Crude	H <sub>2</sub> S	59.86	2.43	44	40,44	
TA326	DUI Crude	NO <sub>x</sub>	14.77	0.70	44,49	40,44,49	
TA326	DUI Crude	CO	199.70	11.46	44,49	40,44,49	
TA326	DUI Crude	PM	18.31	12.43	44	40,44	
TA326	DUI Crude	SO <sub>2</sub>	1560.81	46.29	44	40,44	
TA326	DUI Crude	VOC	2588.61	61.08	44	40,44	
TA326	DUI Crude	Benzene	19.80	0.78	44	40,44	
TA326	DUI Crude	H <sub>2</sub> S	59.86	2.43	44	40,44	
F364	MAYA Crude	NO <sub>x</sub>	14.77	0.70	44,49	40,44,49	
F364	MAYA Crude	CO	199.70	11.46	44,49	40,44,49	
F364	MAYA Crude	PM	18.31	12.43	44	40,44	
F364	MAYA Crude	SO <sub>2</sub>	1560.81	46.29	44	40,44	
F364	MAYA Crude	VOC	2588.61	61.08	44	40,44	
F364	MAYA Crude	Benzene	19.80	0.78	44	40,44	
F364	MAYA Crude	H <sub>2</sub> S	59.86	2.43	44	40,44	
TG362	MAYA Crude	NO <sub>x</sub>	14.77	0.70	44,49	40,44,49	
TG362	MAYA Crude	CO	199.70	11.46	44,49	40,44,49	

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
TG362	MAYA Crude	PM	18.31	12.43	44	40,44	
TG362	MAYA Crude	SO <sub>2</sub>	1560.81	46.29	44	40,44	
TG362	MAYA Crude	VOC	2588.61	61.08	44	40,44	
TG362	MAYA Crude	Benzene	19.80	0.78	44	40,44	
TG362	MAYA Crude	H <sub>2</sub> S	59.86	2.43	44	40,44	
TA329	MAYA Crude	NO <sub>x</sub>	14.77	0.70	44,49	40,44,49	
TA329	MAYA Crude	CO	199.70	11.46	44,49	40,44,49	
TA329	MAYA Crude	PM	18.31	12.43	44	40,44	
TA329	MAYA Crude	SO <sub>2</sub>	1560.81	46.29	44	40,44	
TA329	MAYA Crude	VOC	2588.61	61.08	44	40,44	
TA329	MAYA Crude	Benzene	19.80	0.78	44	40,44	
TA329	MAYA Crude	H <sub>2</sub> S	59.86	2.43	44	40,44	
TA330	MAYA Crude	NO <sub>x</sub>	14.77	0.70	44,49	40,44,49	
TA330	MAYA Crude	CO	199.70	11.46	44,49	40,44,49	
TA330	MAYA Crude	PM	18.31	12.43	44	40,44	
TA330	MAYA Crude	SO <sub>2</sub>	1560.81	46.29	44	40,44	
TA330	MAYA Crude	VOC	2588.61	61.08	44	40,44	
TA330	MAYA Crude	Benzene	19.80	0.78	44	40,44	
TA330	MAYA Crude	H <sub>2</sub> S	59.86	2.43	44	40,44	
TA331	MAYA Crude	NO <sub>x</sub>	14.77	0.70	44,49	40,44,49	
TA331	MAYA Crude	CO	199.70	11.46	44,49	40,44,49	

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
TA331	MAYA Crude	PM	18.31	12.43	44	40,44	
TA331	MAYA Crude	SO <sub>2</sub>	1560.81	46.29	44	40,44	
TA331	MAYA Crude	VOC	2588.61	61.08	44	40,44	
TA331	MAYA Crude	Benzene	19.80	0.78	44	40,44	
TA331	MAYA Crude	H <sub>2</sub> S	59.86	2.43	44	40,44	
TA332	MAYA Crude	NO <sub>x</sub>	14.77	0.70	44,49	40,44,49	
TA332	MAYA Crude	CO	199.70	11.46	44,49	40,44,49	
TA332	MAYA Crude	PM	18.31	12.43	44	40,44	
TA332	MAYA Crude	SO <sub>2</sub>	1560.81	46.29	44	40,44	
TA332	MAYA Crude	VOC	2588.61	61.08	44	40,44	
TA332	MAYA Crude	Benzene	19.80	0.78	44	40,44	
TA332	MAYA Crude	H <sub>2</sub> S	59.86	2.43	44	40,44	
TA334	MAYA Crude	NO <sub>x</sub>	14.77	0.70	44,49	40,44,49	
TA334	MAYA Crude	CO	199.70	11.46	44,49	40,44,49	
TA334	MAYA Crude	PM	18.31	12.43	44	40,44	
TA334	MAYA Crude	SO <sub>2</sub>	1560.81	46.29	44	40,44	
TA334	MAYA Crude	VOC	2588.61	61.08	44	40,44	
TA334	MAYA Crude	Benzene	19.80	0.78	44	40,44	
TA334	MAYA Crude	H <sub>2</sub> S	59.86	2.43	44	40,44	
G313	Gasoline (RU2000)	NO <sub>x</sub>	14.77	0.70	44,49	40,44,49	
G313	Gasoline (RU2000)	CO	199.70	11.46	44,49	40,44,49	



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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
G313	Gasoline (RU2000)	PM	18.31	12.43	44	40,44	
G313	Gasoline (RU2000)	SO <sub>2</sub>	1560.81	46.29	44	40,44	
G313	Gasoline (RU2000)	VOC	2588.61	61.08	44	40,44	
G313	Gasoline (RU2000)	Benzene	19.80	0.78	44	40,44	
G313	Gasoline (RU2000)	H <sub>2</sub> S	59.86	2.43	44	40,44	
G315	Gasoline (RU2000)	NO <sub>x</sub>	14.77	0.70	44,49	40,44,49	
G315	Gasoline (RU2000)	CO	199.70	11.46	44,49	40,44,49	
G315	Gasoline (RU2000)	PM	18.31	12.43	44	40,44	
G315	Gasoline (RU2000)	SO <sub>2</sub>	1560.81	46.29	44	40,44	
G315	Gasoline (RU2000)	VOC	2588.61	61.08	44	40,44	
G315	Gasoline (RU2000)	Benzene	19.80	0.78	44	40,44	
G315	Gasoline (RU2000)	H <sub>2</sub> S	59.86	2.43	44	40,44	
G323	Gasoline (RU2000)	NO <sub>x</sub>	14.77	0.70	44,49	40,44,49	
G323	Gasoline (RU2000)	CO	199.70	11.46	44,49	40,44,49	
G323	Gasoline (RU2000)	PM	18.31	12.43	44	40,44	
G323	Gasoline (RU2000)	SO <sub>2</sub>	1560.81	46.29	44	40,44	
G323	Gasoline (RU2000)	VOC	2588.61	61.08	44	40,44	
G323	Gasoline (RU2000)	Benzene	19.80	0.78	44	40,44	
G323	Gasoline (RU2000)	H <sub>2</sub> S	59.86	2.43	44	40,44	
G326	Gasoline (RU2000)	NO <sub>x</sub>	14.77	0.70	44,49	40,44,49	
G326	Gasoline (RU2000)	CO	199.70	11.46	44,49	40,44,49	
G326	Gasoline (RU2000)	PM	18.31	12.43	44	40,44	
G326	Gasoline (RU2000)	SO <sub>2</sub>	1560.81	46.29	44	40,44	
G326	Gasoline (RU2000)	VOC	2588.61	61.08	44	40,44	
G326	Gasoline (RU2000)	Benzene	19.80	0.78	44	40,44	
G326	Gasoline (RU2000)	H <sub>2</sub> S	59.86	2.43	44	40,44	

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
G327	Gasoline (RU2000)	NO <sub>x</sub>	14.77	0.70	44,49	40,44,49	
G327	Gasoline (RU2000)	CO	199.70	11.46	44,49	40,44,49	
G327	Gasoline (RU2000)	PM	18.31	12.43	44	40,44	
G327	Gasoline (RU2000)	SO <sub>2</sub>	1560.81	46.29	44	40,44	
G327	Gasoline (RU2000)	VOC	2588.61	61.08	44	40,44	
G327	Gasoline (RU2000)	Benzene	19.80	0.78	44	40,44	
G327	Gasoline (RU2000)	H <sub>2</sub> S	59.86	2.43	44	40,44	
FUGABRBLST	Abrasive Blasting: Sitewide	NO <sub>x</sub>	14.77	0.70	43	40,43,52,53	
FUGABRBLST	Abrasive Blasting: Sitewide	CO	199.70	11.46	43	40,43,52,53	
FUGABRBLST	Abrasive Blasting: Sitewide	PM	18.31	12.43	43	40,43,52,53	
FUGABRBLST	Abrasive Blasting: Sitewide	SO <sub>2</sub>	1560.81	46.29	43	40,43,52,53	
FUGABRBLST	Abrasive Blasting: Sitewide	VOC	2588.61	61.08	43	40,43,52,53	
FUGABRBLST	Abrasive Blasting: Sitewide	Benzene	19.80	0.78	43	40,43,52,53	
FUGABRBLST	Abrasive Blasting: Sitewide	H <sub>2</sub> S	59.86	2.43	43	40,43,52,53	
AEROSDISP	Aerosol Can Crushing and Disposal	NO <sub>x</sub>	14.77	0.70		40	
AEROSDISP	Aerosol Can Crushing and Disposal	CO	199.70	11.46		40	

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
AEROSDISP	Aerosol Can Crushing and Disposal	PM	18.31	12.43		40	
AEROSDISP	Aerosol Can Crushing and Disposal	SO <sub>2</sub>	1560.81	46.29		40	
AEROSDISP	Aerosol Can Crushing and Disposal	VOC	2588.61	61.08		40	
AEROSDISP	Aerosol Can Crushing and Disposal	Benzene	19.80	0.78		40	
AEROSDISP	Aerosol Can Crushing and Disposal	H <sub>2</sub> S	59.86	2.43		40	
AEROSAPPL	Aerosol Can Application : Paint and Solvents	NO <sub>x</sub>	14.77	0.70		40	
AEROSAPPL	Aerosol Can Application : Paint and Solvents	CO	199.70	11.46		40	
AEROSAPPL	Aerosol Can Application : Paint and Solvents	PM	18.31	12.43		40	
AEROSAPPL	Aerosol Can Application : Paint and Solvents	SO <sub>2</sub>	1560.81	46.29		40	
AEROSAPPL	Aerosol Can Application : Paint and Solvents	VOC	2588.61	61.08		40	

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			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
AEROSAPPL	Aerosol Can Application : Paint and Solvents	Benzene	19.80	0.78		40	
AEROSAPPL	Aerosol Can Application : Paint and Solvents	H <sub>2</sub> S	59.86	2.43		40	
DEGREAS01	Chemical Cleaning – Degreaser Units	NO <sub>x</sub>	14.77	0.70		40	
DEGREAS01	Chemical Cleaning – Degreaser Units	CO	199.70	11.46		40	
DEGREAS01	Chemical Cleaning – Degreaser Units	PM	18.31	12.43		40	
DEGREAS01	Chemical Cleaning – Degreaser Units	SO <sub>2</sub>	1560.81	46.29		40	
DEGREAS01	Chemical Cleaning – Degreaser Units	VOC	2588.61	61.08		40	
DEGREAS01	Chemical Cleaning – Degreaser Units	Benzene	19.80	0.78		40	
DEGREAS01	Chemical Cleaning – Degreaser Units	H <sub>2</sub> S	59.86	2.43		40	
FUGSMPDPR	Process Sampling	NO <sub>x</sub>	14.77	0.70	43	40,43	
FUGSMPDPR	Process Sampling	CO	199.70	11.46	43	40,43	
FUGSMPDPR	Process Sampling	PM	18.31	12.43	43	40,43	
FUGSMPDPR	Process Sampling	SO <sub>2</sub>	1560.81	46.29	43	40,43	

Permit Number: 21262 and PSDTX928 (Version Date: 01/27/2011)

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
FUGSMPDPR	Process Sampling	VOC	2588.61	61.08	43	40,43	
FUGSMPDPR	Process Sampling	Benzene	19.80	0.78	43	40,43	
FUGSMPDPR	Process Sampling	H <sub>2</sub> S	59.86	2.43	43	40,43	
FUGMSSDPR	Fugitive Components Associated with Maintenance	NO <sub>x</sub>	14.77	0.70	41,43	40,41,43	
FUGMSSDPR	Fugitive Components Associated with Maintenance	CO	199.70	11.46	41,43	40,41,43	
FUGMSSDPR	Fugitive Components Associated with Maintenance	PM	18.31	12.43	41,43	40,41,43	
FUGMSSDPR	Fugitive Components Associated with Maintenance	SO <sub>2</sub>	1560.81	46.29	41,43	40,41,43	
FUGMSSDPR	Fugitive Components Associated with Maintenance	VOC	2588.61	61.08	41,43	40,41,43	
FUGMSSDPR	Fugitive Components Associated with Maintenance	Benzene	19.80	0.78	41,43	40,41,43	

Permit Number: 21262 and PSDTX928 (Version Date: 01/27/2011)

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
FUGMSSDPR	Fugitive Components Associated with Maintenance	H <sub>2</sub> S	59.86	2.43	41,43	40,41,43	
FUGVACDPR	Vacuum Truck Loading & Unloading	NO <sub>x</sub>	14.77	0.70	43,46	40,43,46	
FUGVACDPR	Vacuum Truck Loading & Unloading	CO	199.70	11.46	43,46	40,43,46	
FUGVACDPR	Vacuum Truck Loading & Unloading	PM	18.31	12.43	43,46	40,43,46	
FUGVACDPR	Vacuum Truck Loading & Unloading	SO <sub>2</sub>	1560.81	46.29	43,46	40,43,46	
FUGVACDPR	Vacuum Truck Loading & Unloading	VOC	2588.61	61.08	43,46	40,43,46	
FUGVACDPR	Vacuum Truck Loading & Unloading	Benzene	19.80	0.78	43,46	40,43,46	
FUGVACDPR	Vacuum Truck Loading & Unloading	H <sub>2</sub> S	59.86	2.43	43,46	40,43,46	
PAINTFE	Painting Emissions Sitewide	NO <sub>x</sub>	14.77	0.70		40,51	
PAINTFE	Painting Emissions Sitewide	CO	199.70	11.46		40,51	
PAINTFE	Painting Emissions Sitewide	PM	18.31	12.43		40,51	
PAINTFE	Painting Emissions Sitewide	SO <sub>2</sub>	1560.81	46.29		40,51	
PAINTFE	Painting Emissions Sitewide	VOC	2588.61	61.08		40,51	

Permit Number: 21262 and PSDTX928 (Version Date: 01/27/2011)

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
PAINTFE	Painting Emissions Sitewide	Benzene	19.80	0.78		40,51	
PAINTFE	Painting Emissions Sitewide	H <sub>2</sub> S	59.86	2.43		40,51	
MSSDECNDPR	Combustion Device Decoking Pump and Minor Process Decontamination	NO <sub>x</sub>	14.77	0.70	41	40,41,48	
MSSDECNDPR	Combustion Device Decoking Pump and Minor Process Decontamination	CO	199.70	11.46	41	40,41,48	
MSSDECNDPR	Combustion Device Decoking Pump and Minor Process Decontamination	PM	18.31	12.43	41	40,41,48	
MSSDECNDPR	Combustion Device Decoking Pump and Minor Process Decontamination	SO <sub>2</sub>	1560.81	46.29	41	40,41,48	
MSSDECNDPR	Combustion Device Decoking Pump and Minor Process Decontamination	VOC	2588.61	61.08	41	40,41,48	

Permit Number: 21262 and PSDTX928 (Version Date: 01/27/2011)

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
MSSDECNDPR	Combustion Device Decoking Pump and Minor Process Decontamination	Benzene	19.80	0.78	41	40,41,48	
MSSDECNDPR	Combustion Device Decoking Pump and Minor Process Decontamination	H <sub>2</sub> S	59.86	2.43	41	40,41,48	
TNKVENT	Forced Ventilation of Tank w/ Residual	NO <sub>x</sub>	14.77	0.70	45	40	
TNKVENT	Forced Ventilation of Tank w/ Residual	CO	199.70	11.46	45	40	
TNKVENT	Forced Ventilation of Tank w/ Residual	PM	18.31	12.43	45	40	
TNKVENT	Forced Ventilation of Tank w/ Residual	SO <sub>2</sub>	1560.81	46.29	45	40	
TNKVENT	Forced Ventilation of Tank w/ Residual	VOC	2588.61	61.08	45	40	
TNKVENT	Forced Ventilation of Tank w/ Residual	Benzene	19.80	0.78	45	40	
TNKVENT	Forced Ventilation of Tank w/ Residual	H <sub>2</sub> S	59.86	2.43	45	40	



Permit Number: 21262 and PSDTX928 (Version Date: 01/27/2011)

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.

- (1) Emission point identification – either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) CO - carbon monoxide  
 H<sub>2</sub>S - hydrogen sulfide  
 NH<sub>3</sub> - ammonia  
 NO<sub>x</sub> - nitrogen oxides  
 PM - particulate matter suspended in the atmosphere,including PM<sub>10</sub>  
 PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed,it shall be assumed that no particulate matter greater than 10 microns is emitted.  
 SO<sub>2</sub> - sulfur oxide  
 VOC - volatile organic compounds as defined in Table 30 Texas Administrative Code § 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) In the Amendment submitted June 23,2009,existing CO emissions from EPN V5518 were permitted and offset by a decrease in the EPN H600 long-term CO cap contribution. For normal operational requirements,the short-term cap was left unchanged. The remainder of the CO limit from H600 was removed from the cap and added as an individual limit.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:  
 Hrs/day      Days/week      Weeks/year      or Hrs/year 8,760

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

Note - Emission rates represent flexible permit cap limits,not individual source limits.

Permit Number: 22038 and PSDTX815 (Version Date: 02/15/2013)							
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)	Spec. Cond.	Spec. Cond.	Spec. Cond.
<b>CASE I: TURBINE WITH DUCT BURNER FIRED</b>							
CG1	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(7)(8)	NO <sub>x</sub>	89.8	54.2	2, 7, 11, 12, 13	2, 11, 12, 14, 16	2, 11, 12, 17, 18
CG1	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(7)(8)	CO	85.5	343.8	2, 7, 11, 12	2, 11, 12, 14, 16	2, 11, 12, 17, 18
CG1	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(7)(8)	SO <sub>2</sub>	7.9	19.5	2, 7, 11, 12, 13	2, 11, 12, 16	2, 11, 12
CG1	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(7)(8)	PM <sub>10</sub>	12.3	53.9	2, 7, 11	2, 11, 16	2, 11
CG1	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(7)(8)	VOC	5.2	21.8	2, 7	2, 16	2
CG1	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(7)(8)	SO <sub>3</sub>	0.3	0.73	2, 7, 13	2, 16	2
CG2	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(7)(8)	NO <sub>x</sub>	89.8	367.0	2, 7, 11, 12, 13	2, 11, 12, 14, 16	2, 11, 12, 17, 18
CG2	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(7)(8)	CO	85.5	343.8	2, 7, 11, 12	2, 11, 12, 14, 16	2, 11, 12, 17, 18
CG2	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(7)(8)	SO <sub>2</sub>	7.9	19.5	2, 7, 11, 12, 13	2, 11, 12, 16	2, 11, 12

Permit Number: 22038 and PSDTX815 (Version Date: 02/15/2013)

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)			
CG2	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(7)(8)	PM <sub>10</sub>	12.3	53.9	2, 7, 11	2, 11, 16	2, 11
CG2	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(7)(8)	VOC	5.2	21.8	2, 7	2, 16	2
CG2	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(7)(8)	SO <sub>3</sub>	0.3	0.73	2, 7, 13	2, 16	2
FECG	Fugitives (5)	VOC	0.33	1.45	8	8	
<b>CASE II: TURBINE ONLY – DUCT BURNER UNFIRED</b>							
CG1	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(8)	NO <sub>x</sub>	58.0	54.2	2, 7, 11, 12, 13	2, 11, 12, 14, 16	2, 11, 12, 17, 18
CG1	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(8)	CO	59.0	227.8	2, 7, 11, 12	2, 11, 12, 14, 16	2, 11, 12, 17, 18
CG1	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(8)	SO <sub>2</sub>	0.7	2.8	2, 7, 11, 13	2, 11, 16	2, 11
CG1	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(8)	PM <sub>10</sub>	7.0	30.7	2, 7, 11	2, 11, 16	2, 11
CG1	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(8)	VOC	2.0	7.9	2, 7	2, 16	2
CG1	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(8)	SO <sub>3</sub>	0.03	0.1	2, 7, 13	2, 16	2
CG2	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(8)	NO <sub>x</sub>	58.0	227.8	2, 7, 11, 12, 13	2, 11, 12, 14, 16	2, 11, 12, 17, 18

Permit Number: 22038 and PSDTX815 (Version Date: 02/15/2013)

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)	Spec. Cond.	Spec. Cond.	Spec. Cond.
CG2	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(8)	CO	59.0	227.8	2, 7, 11, 12	2, 11, 12, 14, 16	2, 11, 12, 17, 18
CG2	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(8)	SO <sub>2</sub>	0.7	2.8	2, 7, 11, 13	2, 11, 16	2, 11
CG2	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(8)	PM <sub>10</sub>	7.0	30.7	2, 7, 11	2, 11, 16	2, 11
CG2	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(8)	VOC	2.0	7.9	2, 7	2, 16	2
CG2	GE Frame 7 Turbine (75 MW) 265-MMBtu/Hr Duct Burner (6)(8)	SO <sub>3</sub>	0.03	0.1	2, 7, 13	2, 16	2
<b>EMISSIONS RELATED TO THE CCU BOILER</b>							
H600	CCU CO Boiler	NO <sub>x</sub>	56.88	124.56	2, 22, 23	2, 23	2
H600	CCU CO Boiler	CO	346.32	1381.92	2, 21, 22, 23	2, 21, 23	2, 21
H600	CCU CO Boiler	SO <sub>2</sub>	593.48	216.62	2, 22, 23	2, 23	2
H600	CCU CO Boiler	PM	66.00	289.08	2, 22	2	2
H600	CCU CO Boiler	VOC	3.20	14.02	2, 22	2	2
H600	CCU CO Boiler	NH <sub>3</sub>	5.25	23.02	2	2	2
FUGCCU	CCU Fugitives (5)	VOC	5.35	23.37	9	9	

Permit Number: 22038 and PSDTX815 (Version Date: 02/15/2013)

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)	Spec. Cond.	Spec. Cond.	Spec. Cond.
FUGCCU	CCU Fugitives (5)	Benzene	0.02	0.06	9	9	
FUGCCU	CCU Fugitives (5)	NH <sub>3</sub>	0.01	0.01			
FUGCCU	CCU Fugitives (5)	H <sub>2</sub> S	0.10	0.42	10	10	
FUGCCUSCR	FCCU SCR Fugitives (5)	NH <sub>3</sub>	0.06	0.25			
MSSCOGEN	MSS Cogen Emissions	VOC	1.27	0.02		26, 27, 28	
MSSCOGEN	MSS Cogen Emissions	CO	<0.01	<0.01		26, 27, 28	
MSSCOGEN	MSS Cogen Emissions	NO <sub>x</sub>	<0.01	<0.01		26, 27, 28	
MSSCOGEN	MSS Cogen Emissions	PM <sub>10</sub>	0.15	0.05		26, 27, 28	
MSSCOGEN	MSS Cogen Emissions	PM <sub>2.5</sub>	0.14	0.05		26, 27, 28	
MSSCOGEN	MSS Cogen Emissions	NH <sub>3</sub>	17.76	0.02		26, 27, 28	

Permit Number: 22038 and PSDTX815 (Version Date: 02/15/2013)

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)	Spec. Cond.	Spec. Cond.	Spec. Cond.

- (1) Emission point identification – either specific equipment designation or emission point number from plot plan.
  - (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
  - (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
    - NH<sub>3</sub> - ammonia
    - NO<sub>x</sub> - total oxides of nitrogen
    - SO<sub>2</sub> - sulfur dioxide
    - SO<sub>3</sub> - sulfur trioxide
    - PM - particulate matter, suspended in the atmosphere including PM<sub>10</sub>
    - PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter.
    - CO - carbon monoxide
    - H<sub>2</sub>S - hydrogen sulfide
  - (4) Compliance with annual emission limits (tons per year) is based on a rolling 12 month period.
  - (6) Maximum hourly emission based on 20°F ambient temperature
  - (7) Annual emissions based on 70°F ambient temperature with duct burners in operation
  - (8) Maximum hourly emissions include planned maintenance, startup, and shutdown (MSS) emissions. Annual emissions include planned MSS emissions.
- \* The SO<sub>2</sub> lb/hr emission rates (ERs) are based on 100 percent conversion of 0.25 grain of hydrogen sulfide (H<sub>2</sub>S) per 100 dscf in the refinery fuel gas to SO<sub>2</sub>. The SO<sub>2</sub> TPY ERs are based on 100 percent conversion of 10 grains of H<sub>2</sub>S per 100 dscf in the refinery fuel gas to SO<sub>2</sub>.
- \*\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:  
 24 Hrs/day 7 Days/week 52 Weeks/year or Hrs/year 8,760



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY AIR QUALITY PERMIT



*A Permit Is Hereby Issued To*  
**Shell Oil Company**  
*Authorizing the Construction and Operation of*  
**Cogeneration Facility**  
*Located at Deer Park, Harris County, Texas*  
Latitude 29° 43' 34" Longitude 95° 8' 18"

Permit: 22038

Revision Date : February 15, 2013

Renewal Date: October 5, 2014

  
For the Commission

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code 116.116 (30 TAC 116.116)]
2. **Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1)the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of \$5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC 116.120(a), (b) and (c)]
3. **Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC 116.115(b)(2)(A)]
4. **Start-up Notification.** The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC 116.115(b)(2)(B)(iii)]
5. **Sampling Requirements.** If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC 116.115(b)(2)(C)]

6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction; 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.



## Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 22038 and PSDTX815

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. 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)
Case I: Turbine with Duct Burner Fired				
CG1	GE Frame 7 Turbine (75 MW) 265-MMBTU/HR Duct Burner (6)(7)(8)	NO <sub>x</sub>	89.8	54.2
		CO	85.5	343.8
		SO <sub>2</sub>	7.9	19.5
		PM <sub>10</sub>	12.3	53.9
		VOC	5.2	21.8
		SO <sub>3</sub>	0.3	0.73
CG2	GE Frame 7 Turbine (75 MW) 265-MMBTU/HR Duct Burner (6)(7)(8)	NO <sub>x</sub>	89.8	367.0
		CO	85.5	343.8
		SO <sub>2</sub>	7.9	19.5
		PM <sub>10</sub>	12.3	53.9
		VOC	5.2	21.8
		SO <sub>3</sub>	0.3	0.73
FECG	Fugitives (5)	VOC	0.33	1.45

**Emission Sources - Maximum Allowable Emission Rates**

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
Case II: Turbine Only - Duct Burner Unfired				
CG1	GE Frame 7 Turbine (75 MW) 265 MMBTU/HR Duct Burner (6)(8)	NO <sub>x</sub>	58.0	54.2
		CO	59.0	227.8
		SO <sub>2</sub>	0.7	2.8
		PM <sub>10</sub>	7.0	30.7
		VOC	2.0	7.9
		SO <sub>3</sub>	0.03	0.1
CG2	GE Frame 7 Turbine (75 MW) 265 MMBTU/HR Duct Burner (6)(8)	NO <sub>x</sub>	58.0	227.8
		CO	59.0	227.8
		SO <sub>2</sub>	0.7	2.8
		PM <sub>10</sub>	7.0	30.7
		VOC	2.0	7.9
		SO <sub>3</sub>	0.03	0.1
Emissions Related to the CCU Boiler				
H600	CCU CO Boiler	NO <sub>x</sub>	56.88	124.56
		CO	346.32	1381.92
		SO <sub>2</sub>	593.48	216.62
		PM	66.00	289.08
		VOC	3.20	14.02
		NH <sub>3</sub>	5.25	23.02

**Emission Sources - Maximum Allowable Emission Rates**

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
FUGCCU	CCU Fugitives (5)	VOC	5.35	23.37
		Benzene	0.02	0.06
		NH <sub>3</sub>	0.01	0.01
		H <sub>2</sub> S	0.10	0.42
FUGCCUSCR	FCCU SCR Fugitives (5)	NH <sub>3</sub>	0.06	0.25
MSSCOGEN	MSS Cogen Emissions	VOC	1.27	0.02
		CO	<0.01	<0.01
		NO <sub>x</sub>	<0.01	<0.01
		PM <sub>10</sub>	0.15	0.05
		PM <sub>2.5</sub>	0.14	0.05
		NH <sub>3</sub>	17.76	0.02
<b>Standard Permit (SP) sources incorporated by reference. Sources remain authorized by the SP(s) as listed below:</b>				
<b>Standard Permit Number 81971</b>				
CG1	GE Frame 7 Turbine (75 MW) 265-MMBTU/HR Duct Burner (7)(8)	NO <sub>x</sub>	----	54.2
		NH <sub>3</sub>	20.66	90.50
COGENFUGITIVES	Fugitives	NH <sub>3</sub>	0.09	0.38
<b>Standard Permit Number 77952</b>				
CG2	GE Frame 7 Turbine (75 MW) 265-MMBTU/HR Duct Burner	NH <sub>3</sub>	0.06	0.30

**Emission Sources - Maximum Allowable Emission Rates**

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - NH<sub>3</sub> - ammonia
  - NO<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - SO<sub>3</sub> - sulfur trioxide
  - PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter
  - PM<sub>2.5</sub> - total particulate matter equal to or less than 2.5 microns in diameter
  - CO - carbon monoxide
  - H<sub>2</sub>S - hydrogen sulfide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (6) Maximum hourly emission based on 20°F ambient temperature.
- (7) Annual emissions based on 70°F ambient temperature with duct burners in operation.
- (8) Maximum hourly emissions include planned maintenance, startup, and shutdown (MSS) emissions. Annual emissions include planned MSS emissions.

\* The SO<sub>2</sub> lb/hr emission rates (ERs) are based on 100 percent conversion of .25 grain of hydrogen sulfide (H<sub>2</sub>S) per 100 dscf in the refinery fuel gas to SO<sub>2</sub>. The SO<sub>2</sub> TPY ERs are based on 100 percent conversion of 10 grains of H<sub>2</sub>S per 100 dscf in the refinery fuel gas to SO<sub>2</sub>.

\*\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Date: February 15, 2013

## Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 22038 and PSDTX815

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. 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)
Case I: Turbine with Duct Burner Fired				
CG1	GE Frame 7 Turbine (75 MW) 265-MMBTU/HR Duct Burner (6)(7)(8)	NO <sub>x</sub>	89.8	54.2
		CO	85.5	343.8
		SO <sub>2</sub>	7.9	19.5
		PM <sub>10</sub>	12.3	53.9
		VOC	5.2	21.8
		SO <sub>3</sub>	0.3	0.73
CG2	GE Frame 7 Turbine (75 MW) 265-MMBTU/HR Duct Burner (6)(7)(8)	NO <sub>x</sub>	89.8	367.0
		CO	85.5	343.8
		SO <sub>2</sub>	7.9	19.5
		PM <sub>10</sub>	12.3	53.9
		VOC	5.2	21.8
		SO <sub>3</sub>	0.3	0.73
FECG	Fugitives (5)	VOC	0.33	1.45

**Emission Sources - Maximum Allowable Emission Rates**

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
Case II: Turbine Only - Duct Burner Unfired				
CG1	GE Frame 7 Turbine (75 MW) 265 MMBTU/HR Duct Burner (6)(8)	NO <sub>x</sub>	58.0	54.2
		CO	59.0	227.8
		SO <sub>2</sub>	0.7	2.8
		PM <sub>10</sub>	7.0	30.7
		VOC	2.0	7.9
		SO <sub>3</sub>	0.03	0.1
CG2	GE Frame 7 Turbine (75 MW) 265 MMBTU/HR Duct Burner (6)(8)	NO <sub>x</sub>	58.0	227.8
		CO	59.0	227.8
		SO <sub>2</sub>	0.7	2.8
		PM <sub>10</sub>	7.0	30.7
		VOC	2.0	7.9
		SO <sub>3</sub>	0.03	0.1
Emissions Related to the CCU Boiler				
H600	CCU CO Boiler	NO <sub>x</sub>	56.88	124.56
		CO	346.32	1381.92
		SO <sub>2</sub>	593.48	216.62
		PM	66.00	289.08
		VOC	3.20	14.02
		NH <sub>3</sub>	5.25	23.02

**Emission Sources - Maximum Allowable Emission Rates**

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
FUGCCU	CCU Fugitives (5)	VOC	5.35	23.37
		Benzene	0.02	0.06
		NH <sub>3</sub>	0.01	0.01
		H <sub>2</sub> S	0.10	0.42
FUGCCUSCR	FCCU SCR Fugitives (5)	NH <sub>3</sub>	0.06	0.25
MSSCOGEN	MSS Cogen Emissions	VOC	1.27	0.02
		CO	<0.01	<0.01
		NO <sub>x</sub>	<0.01	<0.01
		PM <sub>10</sub>	0.15	0.05
		PM <sub>2.5</sub>	0.14	0.05
		NH <sub>3</sub>	17.76	0.02
<b>Standard Permit (SP) sources incorporated by reference. Sources remain authorized by the SP(s) as listed below:</b>				
<b>Standard Permit Number 81971</b>				
CG1	GE Frame 7 Turbine (75 MW) 265-MMBTU/HR Duct Burner (7)(8)	NO <sub>x</sub>	----	54.2
		NH <sub>3</sub>	20.66	90.50
COGENFUGITIVES	Fugitives	NH <sub>3</sub>	0.09	0.38
<b>Standard Permit Number 77952</b>				
CG2	GE Frame 7 Turbine (75 MW) 265-MMBTU/HR Duct Burner	NH <sub>3</sub>	0.06	0.30

**Emission Sources - Maximum Allowable Emission Rates**

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - NH<sub>3</sub> - ammonia
  - NO<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - SO<sub>3</sub> - sulfur trioxide
  - PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter
  - PM<sub>2.5</sub> - total particulate matter equal to or less than 2.5 microns in diameter
  - CO - carbon monoxide
  - H<sub>2</sub>S - hydrogen sulfide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (6) Maximum hourly emission based on 20°F ambient temperature.
- (7) Annual emissions based on 70°F ambient temperature with duct burners in operation.
- (8) Maximum hourly emissions include planned maintenance, startup, and shutdown (MSS) emissions. Annual emissions include planned MSS emissions.

\* The SO<sub>2</sub> lb/hr emission rates (ERs) are based on 100 percent conversion of .25 grain of hydrogen sulfide (H<sub>2</sub>S) per 100 dscf in the refinery fuel gas to SO<sub>2</sub>. The SO<sub>2</sub> TPY ERs are based on 100 percent conversion of 10 grains of H<sub>2</sub>S per 100 dscf in the refinery fuel gas to SO<sub>2</sub>.

\*\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Date: February 15, 2013



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### EMISSION CAPS AND INDIVIDUAL EMISSION LIMITATIONS

1. This permit authorizes emissions only from those points listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and the facilities covered by this permit are authorized to emit subject to the emission rate limits on that table and other operating conditions specified in this permit. **(9/07)**

### FEDERAL APPLICABILITY

2. 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 Leaks of Volatile Organic Compounds (VOC) in the Synthetic Organic Chemical Manufacturing Industry (SOCMI); Equipment Leaks of VOC in Petroleum Refineries; VOC Emissions from SOCMI Distillation Operations; VOC Emissions from Petroleum Refinery Wastewater Systems; and VOC Emissions from SOCMI Reactor Processes in Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subparts A, J, K, Ka, Kb, VV, GGG, NNN, QQQ, and RRR.
3. These facilities shall comply with all applicable requirements of EPA regulations on National Emission Standards for Hazardous Air Pollutants (NESHAPS) promulgated in 40 CFR Part 61, as applicable, for:
  - A. Equipment Leaks (Fugitive Emission Sources) of Benzene, Subparts A and J.
  - B. Equipment Leaks (Fugitive Emission Sources), Subpart A and V.
  - C. Benzene Waste Operations, Subparts A and FF. **(9/07)**
4. These facilities shall comply with all applicable requirements of EPA regulations on NESHAPS in 40 CFR Part 63, Subpart A and:
  - A. Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry (SOCMI), Subpart F;
  - B. SOCMI for Process Vents, Storage Vessels, Transfer Operations, and Wastewater, Subpart G;
  - C. Organic Hazardous Air Pollutants for Equipment Leaks, Subpart H;

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- D. Petroleum Refineries, Subparts CC;
- E. Marine Vessel Loading Operations, Subpart Y; and
- F. Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recover Units, Subpart UUU. **(9/07)**

EMISSION STANDARDS **(9/07)**

5. The following five Process Heaters shall achieve a British thermal units (Btu) weighted average of 0.04 lb (pound) NO<sub>x</sub>/MMBtu with the installation of Low-Nitrogen Oxides (NO<sub>x</sub>) burners:

H5100, H5101, H5302, H5303, and H304

The following three Process Heaters shall operate at 0.06 lb NO<sub>x</sub>/MMBtu with the installation of Low-NO<sub>x</sub> burners:

HCOKER2, HPREFLASH2, and HPREFLASH.

The Process Heater HPOSTFRAC shall operate at 0.03 lb NO<sub>x</sub>/MMBtu with the installation of Low-NO<sub>x</sub> burners.

The SR-8 Incinerator (Emission Point No. [EPN] SR8STACK) shall operate at 0.08 lb NO<sub>x</sub>/MMBtu with the installation of Low-NO<sub>x</sub> burners.

Heaters (H3300 and H9150R1) shall operate at 0.035 lb NO<sub>x</sub>/MMBtu with the installation of Low-NO<sub>x</sub> burners.

After completion of the burner upgrades, emissions of NO<sub>x</sub>, carbon monoxide (CO), sulfur dioxide (SO<sub>2</sub>), particulate matter (PM), and VOC from the heaters associated with this permit shall be determined in accordance with the represented emission factors unless a CEMS or process control computer is required to be installed and operated under Special Condition No. 8. After the installation and calibration of the CEMS or process control computer, data collected therein shall be used instead of or in combination with these emission factors at an individual heater. **(3/99)**

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6. The FCCU CO Boiler (EPN H600) is an affected facility subject to 40 CFR Part 60, Subparts A and J, and the following emissions limits:

50 ppmvd SO<sub>2</sub> at 0 percent oxygen (O<sub>2</sub>) on a 7-day rolling average  
25 ppmvd SO<sub>2</sub> at 0 percent O<sub>2</sub> on a 365-day rolling average  
500 ppmvd CO at 0 percent O<sub>2</sub> on a 1-hour average  
1 lb of PM per 1,000 lb of coke burn-off (front-half only) **(7/04)**

## INITIAL STACK TESTING

7. The holder of this permit shall perform stack testing as referenced below:

- A. Stack sampling for Process Heaters (H-5100, H-5101, H-5302, H-5303, and H-5304) that will receive Low-NO<sub>x</sub> burners per Special Condition No. 5 shall be performed after installation of the new burners and no later than July 1, 2000. (This requirement for Process Heater H-5100 and H-5101 was completed in July 1999) **(9/07)**

Stack sampling for Process Heaters (HCOKER2, HPREFLASH2, HPREFLASH, and HPOSTFRAC) shall be performed no later than 180 days following start-up of the process heaters or no later than 60 days after achieving maximum rates, whichever is sooner.

Stack sampling for the SR8 Incinerator (EPN SR8STACK) shall be performed no later than 180 days following start-up of the incinerator or no later than 60 days after achieving maximum rates, whichever is sooner. (This requirement was completed in January 2001) **(9/07)**

Stack sampling for Process Heater H-613 that will receive Low-NO<sub>x</sub> burners per Special Condition No. 5 shall be performed after installation of the new burners and no later than July 1, 2001. (This requirement was completed in September 2000) **(9/07)**

The CCU CO Boiler: the need for additional stack testing at the CCU shall be negotiated following the submittal to Texas Commission on Environmental Quality (TCEQ) of the additional information required per Special Condition No. 28.

Stack sampling for the DHT H<sub>2</sub> Heater (EPN H3300) shall be performed no later than 180 days following start-up of the DHT H<sub>2</sub> Heater. **(7/04)**

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Stack sampling for the SR-3/4 Incinerator (EPN 1660B) shall be performed no later than 180 days following start-up of the modified SR-3/4 Incinerator. **(7/04)**

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

The notice shall include:

- (1) Date for pretest meeting.
- (2) Date sampling will occur.
- (3) Name of firm conducting sampling.
- (4) Type of sampling equipment to be used.
- (5) Method or procedure to be used in sampling.

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

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

Requests to waive testing for any pollutant specified in C of this condition shall be submitted to the TCEQ Office of Permitting, Remediation, and Registration, Air Permits Division in Austin.

- C. Air contaminants emitted from the process heaters to be tested for include (but are not limited to) CO and NO<sub>x</sub>. Specific pollutants to be tested shall be negotiated at pre-test meetings with the TCEQ. Should CCU stack testing be required, air contaminants to be tested for from the CCU shall be determined following submittal of the engineering data as required in Special Condition No. 28.

Air contaminants emitted from the SR-3/4 incinerator to be tested for include (but are not limited to) SO<sub>2</sub>, CO, and NO<sub>x</sub>. **(7/04)**

- D. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office.

## SPECIAL CONDITIONS

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- E. The facility shall operate at maximum operating 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 facility 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 when higher production rates are achieved.
- F. Three copies of the final sampling report shall be forwarded to the TCEQ within 60 days after sampling is completed. The reports shall be distributed as follows:

One copy to the TCEQ Houston Regional Office.

One copy to the Harris County Pollution Control Department, Pasadena.

One copy to the TCEQ Austin Compliance Support Division.

## CONTINUOUS DEMONSTRATION OF COMPLIANCE

- 8. The holder of this permit shall install, calibrate, and maintain a CEMS to determine the in-stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> from Process Heaters: H5500, H1000, H5301, H5302, H5303, H5304, HCOKER2, HPREFLASH2, and HPOSTFRAC.

The holder of this permit shall install, calibrate, and maintain a CEMS or process control computer to determine the in-stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> from Process Heaters: H5402, H5600, H31001, H31002, H5100, H5101, H5102, and H5103.

- 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 Office of Permitting, Remediation, and Registration, Air Permits Division in Austin for requirements to be met. Performance testing of the CEMS shall be completed within 180 days of the date of installation of the CEMS or within 180 days after initial start-up for new process heaters.
- 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

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subpart of New Source Performance Standards (NSPS) or NESHAPS, in which case zero and span shall be done daily without exception.

Each monitor shall be quality-assured at least quarterly in accordance with 40 CFR Part 60, Appendix F, Procedure 1, § 5.1.2. A Cylinder Gas Audit (CGA) conducted in all four calendar quarters may be used in lieu of Relative Accuracy Test Audit (RATA) for non-NSPS sources and for NSPS sources not subject to 40 CFR Part 60, Appendix F.

- C. The monitoring data shall be reduced to hourly average concentrations at least once everyday, using a minimum of four data points representative of each one-hour period. The individual average concentrations shall be reduced to units of the permit allowable emission rate in pounds per hour (lbs/hr) and tons per year (TPY) at least once every month.
- D. All CEMS monitoring data and quality-assurance data shall be maintained by the source for a period of two years and all process computer data shall be maintained by the source for a period of 18 months. Data shall be made available to the TCEQ Executive Director or his designated representative upon request. The data from the CEMS or process computer may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit.
- E. All CGA exceedances of 15 percent accuracy and any CEMS downtime greater than 24 hours shall be reported to the appropriate TCEQ Regional Director, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Director.
- 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 them the opportunity to observe the testing.
- G. The holder of this permit shall conduct performance testing within 180 days after the installation of the first process control computer for purposes of comparing process control computer data with stack testing results. Prior to conducting the performance testing, the holder of this permit shall submit a written proposed description of the testing to be performed to the TCEQ Office of Permitting, Remediation, and Registration, Air Permits Division. Copies of the proposal shall be sent to the TCEQ Houston Regional Office and the Harris County Pollution Control Department in Pasadena. Additionally, a final report comparing the process control computer data with stack testing results shall be submitted to the

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above-referenced authorities within 60 days of completion of the performance testing. (3/99)

### FUGITIVE MONITORING

#### 9. Piping, Valves, Flanges, Pumps, and Compressors in VOC Service - 28VHP

Except as may be provided for in the special conditions of this permit, the following requirements apply to all the equipment covered under this permit except the equipment specified in Special Condition No. 10.

- A. These conditions shall not apply (1) where the VOC has an aggregate partial pressure or vapor pressure of less than 0.044 pound per square inch, absolute (psia) at 68°F or (2) operating pressure is at least 5 kilopascals (0.725 pound 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), American Petroleum Institute (API), American Society of Mechanical Engineers (ASME), or equivalent codes.
- C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical.
- D. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak checking during plant operation. Non-accessible valves, as defined by Title 30 Texas Administrative Code Chapter 115 (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.

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

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

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

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

- G. Except as may be provided for in the special conditions of this permit, all pump and compressor seals shall be monitored with an approved gas analyzer at least quarterly or be equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. Seal systems designed and operated to prevent emissions or seals equipped with an automatic seal failure detection and alarm system need not be monitored. These seal systems may include (but are not limited to) dual pump seals with barrier fluid at higher pressure than process pressure, seals degassing to vent control systems kept in good working order, or seals equipped with an automatic seal failure detection and alarm system. Submerged pumps or sealless pumps (including, but not limited to, diaphragm, canned, or magnetic-driven pumps) may be used to satisfy the requirements of this condition and need not be monitored.
- H. Damaged or leaking valves or connectors found to be emitting VOC in excess of 500 parts per million by volume (ppmv) or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. Damaged or leaking pump and compressor seals found to be emitting VOC in excess of 2,000 ppmv or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired.
- I. Every reasonable effort shall be made to repair a leaking component, as specified in this paragraph, within 15 days after the leak is found. If the repair of a component would require a unit shutdown, the repair may be delayed until the



## SPECIAL CONDITIONS

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next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging. At the discretion of the TCEQ Executive Director or his designated representative, early unit shutdown or other appropriate action may be required based on the number and severity of tagged leaks awaiting shutdown.

- J. 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.
- 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.

Connectors in benzene service in the following areas shall be monitored in accordance with the program requirements of Special Condition No. 9 for the Valves: DOCKF, FUGCR3, and FEFUGDIS. **(4/01)**

10. Piping, Valves, Flanges, Pumps, and Compressors in VOC Service - Intensive Directed Maintenance - 28MID

The following requirements apply to the coker, Sulfur Recovery Units (SRUs) 6, 7, and 8, the HVI Unit, and gas oil hydro-treater.

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 concentration in the stream is less than 10 percent by weight or (2) where the VOC has an aggregate partial pressure or vapor pressure of less than 0.044 psia at 68°F or (3) operating pressure is at least 5 kilopascals (0.725 psi) below ambient pressure. Equipment excluded from this condition shall be identified in a list to be made available upon request.

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- 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.

- 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

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

- G. All new and replacement pumps and compressors 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 and compressor seals emitting VOC 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 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.

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- 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.
- 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. **(3/99)**

11. Piping, Valves, Pumps, and Compressors in Hydrogen Sulfide (H<sub>2</sub>S) Service

- A. Audio, olfactory, and visual checks for H<sub>2</sub>S leaks within the operating area shall be made once per shift.
- B. Immediately, but no later than one hour upon detection of an H<sub>2</sub>S leak, plant personnel shall take the following actions:
- (1) Stop the leak by taking the equipment out of service or bypass the equipment so that it is no longer in service;

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- (2) Isolate the leak;
- (3) Commence repair or replacement of the leaking component; or,
- (4) If the leak cannot be repaired within six hours, the holder of this permit shall use a leak collection and containment system to prevent the leak until repair or replacement can be made if immediate repair is not possible.

Date and time of each inspection shall be noted in the operators log or equivalent. Records shall be maintained at the plant site of the time leaks were detected and all repairs and replacements made due to leaks. These records shall be maintained for a period of two years and made available to representatives of the TCEQ upon request.

### CARBON COMPOUND WASTE GAS STREAMS

12. Non-fugitive emissions from relief valves, safety valves, or rupture discs of gases containing VOC at a concentration of greater than 1 percent are not authorized by this permit unless authorized on the maximum allowable emission rates table (MAERT). Any releases directly to 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.

Storage tank vents, cooling tower exhaust, process fugitive emissions, and Vents (A1905, A1906, AG1137, A330, A9267, A9268, A1745, A553, AR329, C9150/51, C9152/53, AT529, AT665, V731, A1006, V1138, V9160, V1047, and L2COMPVT) are excluded from this requirement. 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. **(7/04)**

13. The relief valves listed on Attachment B of this permit are exempt from the control requirements of Special Condition No. 12.
14. The relief valves listed on Attachment C of this permit shall be equipped with a rupture disc no later than the next process shutdown. A pressure-sensing device shall be installed between the relief valve and the rupture disc to monitor disc integrity.

All leaking rupture discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

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15. The holder of this permit shall maintain records documenting all incidents which involve the opening of a relief valve that relieves to the atmosphere. In the event that any single relief valve relieves to the atmosphere two or more times within a 12-month period, the holder of this permit shall submit a report to the TCEQ within 45 days of the second relief incident which proposes a plan to prevent multiple reliefs for that valve.

### STORAGE AND LOADING OF VOC

16. New seals shall be installed on the following storage tanks:

Liquid-mounted or shoe-mounted primary seal and a rim-mounted secondary seal shall be installed on the following External Floating Roof (EFR) Tanks: G316, G355, G357, G360, TA318, TA319, TA320, G332, G329, G342, S429, A301, A307, G362, A326, and F323.

Liquid-mounted or shoe-mounted primary seals on the following Internal Floating Roof (IFR) Tanks: A310, A312, G324, X-313, L-303, and L-304. **(3/99)**

17. 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 psia at the maximum expected operating temperature or (2) to storage tanks smaller than 25,000 gallons or (3) to IFR tanks that store material where the VOC has an aggregate partial pressure of less than 0.5 psia. When storing material in IFR tanks, where the VOC has an aggregate partial pressure of less than 0.5 psia, the following shall apply to those specific tanks:
  - (1) General Condition No. 9 of this permit relating to maintenance of emission control is superseded by this special condition.
  - (2) Change of service of IFR tanks, for which seal and roof inspections have not been required per this special condition, to storage of material where the VOC has an aggregate partial pressure of greater than 0.5 psia, must be preceded by a seal inspection and any necessary seal repairs. The type of inspection shall conform to all applicable requirements of 40 CFR § 60.113b(a). For purposes of determining the type of inspection referenced in this paragraph, the inspection intervals defined in 40 CFR § 60.113b(a)(4) will be measured in calendar years and will include periods of time in which the material being stored has an aggregate partial pressure of less than 0.5 psia.

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- (3) Emissions from IFRs for which this exemption is claimed shall be calculated using the equations from EPA AP-42 for fixed-roof tanks.
  - (4) Increase in emissions resulting from calculation as a fixed-roof tank shall be absorbed under the existing VOC cap in this flexible permit.
  - (5) The holder of this permit may elect to inspect and maintain the floating roof seals and, thereby, take credit for the resulting emission reduction.
  - (6) This exemption from inspection and maintenance shall not supersede any applicable requirements of NSPS or NESHAPS.
- B. For any tank for which controls are required in order to meet the flexible permit cap, 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 IFR: (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.
- C. An open-top tank containing a floating roof (EFR tank) which uses double seal or secondary seal technology shall be an approved control alternative to an IFR 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 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 or aluminum with the exception of those tanks dedicated to pitch or heavy oil service, in which case the surfaces are painted black to absorb sunlight to assist in warming the tank contents.

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- G. Emissions from all tanks and loading operations associated with this permit shall be calculated using the methods described in Appendix A to the flexible permit application submitted on August 15, 1995, February 10, 1997, and December 23, 1998. **(3/99)**

COKE HANDLING

18. Coke stockpiles shall be sprinkled with water and/or chemicals as necessary to control coke dust emissions to the minimum level possible under existing conditions.
19. The moisture content of all coke stockpiles shall be maintained at no less than 7 percent moisture at all times in order to minimize fugitive dust emissions. Coke shall be tested for moisture content three times per week. Records shall be maintained for a period of two years.
20. All conveyors shall be covered and water sprays shall be installed and operated as necessary at all coke product transfer points in order to control coke dust emissions to the minimum level possible under existing conditions.

SULFUR UNITS

21. The minimum sulfur recovery efficiency for these permitted units (taken as a whole) shall be 99.8 percent. In addition, the minimum sulfur recover efficiency for SRU-8 alone shall be 99.8 percent. The sulfur recovery efficiency shall be determined by calculation as follows:

$$\text{Efficiency} = 100 (1 - S \text{ stack}/S \text{ feed})$$

Where:

Efficiency	=	sulfur recovery efficiency, percent
S feed	=	total sulfur in SRU feed, lbs/hr
S stack	=	sulfur in incinerator stack, lbs/hr

The average sulfur emission reduction efficiency (sulfur recovery efficiency) shall be demonstrated for each calendar day by a mass balance calculation using data obtained from the incinerator stack SO<sub>2</sub> monitor, feed sulfur and composition data, and other process flow data. Periods of upset or maintenance emissions shall not be included in determining recovery efficiency. The maximum duration of any shell claus off-gas treating unit maintenance outage that may be excluded from recovery efficiency calculations is 12 hours. Records and copies of the compliance calculations shall be maintained on-site for a period of two years and made readily available to TCEQ personnel upon request. **(3/99)**



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22. In the event that an entire sulfur recovery train must be shut down for emergency reasons, the acid gas feed stream may be routed to the plant flare for a period not to exceed eight hours. Within two hours of diverting the acid gas feed to the emergency flare, the permit holder shall begin operational changes to reduce the amount of SRU feed. These items include (but are not limited to) storing of sour water and process unit curtailment or shutdown. **(3/99)**

## OPERATING PARAMETERS AND CONDITIONS

23. The VOC associated with cooling tower water shall be monitored monthly with a portable organic vapor analyzer, laboratory analysis of cooling water for total organic carbon, and/or approved air stripping system or equivalent. The appropriate equipment shall be maintained so as to minimize fugitive VOC emissions from the cooling tower. Faulty equipment shall be repaired at the earliest opportunity but no later than the next scheduled shutdown of the process unit in which the leak occurs. Records shall be kept of monitoring and repair data for a period of two years.
24. Flares shall be designed and operated in accordance with 40 CFR § 60.18 including specifications of minimum heating value of the waste gas, maximum tip velocity, and pilot flame monitoring. If necessary to insure adequate combustion, sufficient fuel gas shall be added to make the gases combustible. An infrared monitor is considered equivalent to a thermocouple for flame monitoring purposes.
25. Fuel used in the process heaters shall be limited to either natural gas, plant gas, or a combination of natural gas and plant gas. The H<sub>2</sub>S concentration of the fuel gas shall not exceed 162 ppmv on an hourly basis. The H<sub>2</sub>S concentration shall be monitored and recorded in accordance with NSPS, Subpart J.

## CONTROL TECHNOLOGY IMPLEMENTATION

26. Storage tanks required to have new seals per Special Condition No. 16 shall be upgraded at a rate of at least two per year beginning January 1, 1996. Upgraded seals shall be installed on all of the tanks by December 31, 2005. **(3/99)**
27. The CEMS or process computers required per Special Condition No. 8 for process heaters not requiring burner upgrades shall be installed prior to or during the next scheduled process heater turnaround, with all installations to be completed by December 31, 2004. Prior to installation of the CEMS or process computer, these sources shall be monitored using applicable process parameter data stored in either process instrumentation or the Manual Data Capture system. **(3/99)**

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28. The holder of this permit shall submit additional engineering details which outline control options for the CCU to the TCEQ Air Permits Division no later than December 31, 2003. The following control requirements (equivalent to 1995 best available control technology):

Pollutant	Emission Limit	CEMS
PM	1.0 lb/1,000 lb of coke burn-off	No
Opacity	15 - 20 percent	Yes
CO	500 ppmv	Yes
SO <sub>2</sub>	200 - 300 ppmv	Yes
NO <sub>x</sub>	200 ppmv	Yes
VOC	< 10 ppmv	No

The selected control plan shall be implemented no later than December 31, 2005.

29. The control techniques implemented per Special Condition Nos. 26 through 28 shall be installed according to the schedule listed in Attachment D of this permit.

RECORDKEEPING

30. The holder of this permit shall keep records to demonstrate compliance with the hourly (lb/hr) and annual TPY emission limits specified by the flexible permit for the following compounds: NO<sub>x</sub>, CO, PM, SO<sub>2</sub>, VOC, H<sub>2</sub>S, and benzene. Compliance with the emission limits for each source shall be demonstrated according to the "Source Specific Compliance Guidelines" outlined in the document entitled, Flexible Permit Compliance Document, submitted with the flexible permit applications on August 15, 1995, February 10, 1997, and December 23, 1998. An annual summary of emissions for each criteria pollutant for which an emissions cap has been established in this permit shall be submitted on or before the date the annual air emissions inventory is due for the prior calendar year. This summary will include a table listing the criteria pollutant, actual total annual emissions for that pollutant, and the emissions cap for that pollutant. (3/99)
31. All records required by the conditions of this permit shall be maintained at the plant site for a minimum of two years, unless otherwise specifically stated in these conditions. These records shall be made available to representatives of the TCEQ or any air pollution control program having jurisdiction upon request.

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### ADDITIONAL PERMIT ACTION

32. The holder of this permit shall establish NO<sub>x</sub> concentration limits of 20 ppmvd on a 365-day rolling average and 40 ppmvd on a three-hour rolling average, each at 0 percent O<sub>2</sub> for the FCCU CO Boiler (EPN H600) SCR outlet to satisfy the specific Consent Decree terms and conditions as required by the EPA. The holder of this permit shall keep records at the plant site to demonstrate compliance with this condition. The emission limits shall not apply during periods of required SCR bypass, provided that such bypass is necessary, meets the definition of start-up, shutdown, or malfunction, and that DPRLP implements good air pollution control practices to minimize emissions during such events. **(9/07)**
33. The holder of this permit shall establish a maximum NO<sub>x</sub> emission rate of 9.96 tons per year for the Catalytic Cracker Feed Hydrotreater (CFH) Furnace (EPN H1170), based upon the maximum annual average firing rate of 65 MMBtu/hr heat input and maximum annual average NO<sub>x</sub> emission rate of 0.035 lb/MMBtu, to satisfy the specific Consent Decree terms and conditions as required by the EPA. The holder of this permit shall keep records at the plant site to demonstrate compliance with this condition. **(9/07)**
34. The holder of this permit shall establish a maximum NO<sub>x</sub> emission rate of 77.5 tons per year for the Catalytic Reformer SCR (EPN H53NN), based upon the maximum annual average firing rate of 885 MMBtu/hr heat input and maximum annual average NO<sub>x</sub> emission rate of 0.02 lb/MMBtu, to satisfy the specific Consent Decree terms and conditions as required by the EPA. The holder of this permit shall keep records at the plant site to demonstrate compliance with this condition. **(9/07)**
35. The holder of this permit shall establish a maximum NO<sub>x</sub> emission rate of 56.76 tons per year for the Distilling Unit No. 2 Furnace (EPN H5100) based upon the maximum annual average firing rate of 324 MMBtu/hr heat input and maximum annual average NO<sub>x</sub> emission rate of 0.040 lb/MMBtu, to satisfy the specific Consent Decree terms and conditions as required by the EPA. The holder of this permit shall keep records at the plant site to demonstrate compliance with this condition. **(9/07)**
36. The holder of this permit shall establish a maximum NO<sub>x</sub> emission rate of 56.76 tons per year for the Distilling Unit No. 2 Furnace (EPN H5101) based upon the maximum annual average firing rate of 324 MMBtu/hr heat input and maximum annual average NO<sub>x</sub> emission rate of 0.040 lb/MMBtu, to satisfy the specific Consent Decree terms and conditions as required by the EPA. The holder of this permit shall keep records at the plant site to demonstrate compliance with this condition. **(9/07)**

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37. The holder of this permit shall establish a maximum NO<sub>x</sub> emission rate of 24.18 tons per year for the Distilling Unit No. 1 Furnace (EPN H613) based upon the maximum annual average firing rate of 138 MMBtu/hr heat input and maximum annual average NO<sub>x</sub> emission rate of 0.040 lb/MMBtu, to satisfy the specific Consent Decree terms and conditions as required by the EPA. The holder of this permit shall keep records at the plant site to demonstrate compliance with this condition. **(9/07)**
  
38. A copy of this permit shall be kept at the plant site and made immediately available at the request of personnel from the TCEQ or any air pollution control agency having jurisdiction.

### PLANNED MAINTENANCE, START-UP, AND SHUTDOWN (MSS) ACTIVITIES

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

Planned startup and shutdown emissions due to the activities identified in Special Condition 2 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 12 of this permit. **(08/10)**

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

Attachment A identifies the inherently low emitting MSS activities that may be performed at Regulated Entity Identification Number (RN) 100211879. 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 estimated using the number of work orders or equivalent each month and the emissions associated with that activity identified in the permit application.

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

- A. the physical location at which emissions from the MSS activity occurred, including the emission point number and common name for the point at which the emissions were released into the atmosphere;
- B. the type of planned MSS activity and the reason for the planned activity;
- C. the common name and the facility identification number, if applicable, of the facilities at which the MSS activity and emissions occurred;
- D. the date on which the MSS activity occurred;
- 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.

Emissions from all completed planned MSS activities shall be summed monthly and the rolling 12-month emissions shall be updated by the end of the month following the activity. **(08/10)**

41. Process units and facilities, with the exception of those identified in Special Conditions 44 and 45, and Attachment A shall be depressurized, emptied, degassed, and placed in service in accordance with the following requirements.
  - A. The process equipment shall be depressurized to a control device or a controlled recovery system prior to venting to atmosphere, degassing, or draining liquid. Equipment that only contains material that is liquid with VOC partial pressure less than 0.50 psi at the normal process temperature may be opened to atmosphere and drained in accordance with paragraph C of this special condition.
  - B. If mixed phase materials must be removed from process equipment, the cleared material shall be routed to a knockout drum or equivalent to allow for managed initial phase separation. If the VOC partial pressure is greater than 0.50 psi at either the normal process temperature, any vents in the system must be routed to a control device or a controlled recovery system. Control must remain in place until degassing has been completed or the system is no longer vented to atmosphere.

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- C. All liquids from process equipment or storage vessels must be removed to the maximum extent practical prior to opening equipment to commence degassing and/or maintenance. Liquids with a VOC partial pressure greater than or equal to 0.044 psia at 68°F shall be drained into a closed vessel unless prevented by the physical configuration of the equipment. If it is necessary to drain liquid into an open pan or sump, the liquid must be covered or transferred to a covered vessel within one hour of being drained. After draining is complete, empty open pans may remain in use for housekeeping reasons to collect incidental drips.
- D. If the VOC partial pressure is greater than 0.50 psi at the normal process temperature, 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 design. The control device or recovery system utilized shall be recorded with the estimated emissions from controlled and uncontrolled degassing calculated using the methods that were used to determine allowable emissions for the permit application.
- i. For MSS activities identified in Attachment B, the following option may be used in lieu of ii 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) per the site safety procedures.
- ii. 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. If the process equipment is purged with a gas, two system volumes of purge gas must have passed through the control device or controlled recovery system before the vent stream may be sampled to verify acceptable-VOC concentration prior to uncontrolled venting. The VOC sampling and analysis shall be performed using an instrument meeting the requirements of Special Condition 4 42. The sampling point shall be upstream of the inlet to the control device or controlled recovery system. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the process equipment or vessel being purged. The facilities shall be degassed to a control device or controlled recovery system until the VOC concentration is less than 10,000 ppmv or 10 percent of the LEL.

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- E. Gases and vapors (including vapors from residual liquids) with VOC partial pressure greater than 0.50 psi may be vented directly to atmosphere if all the following criteria are met:
  - i. It is not technically practicable to depressurize or degas, as applicable, into the process.
  - ii. There is not an available connection to a plant control system (flare).
  - iii. There is no more than 50 lb of air contaminant to be vented to atmosphere during shutdown or startup, as applicable.

Except when identified for an activity on Attachment A, all instances of venting directly to atmosphere per Special Condition 41.E must be documented when occurring as part of any MSS activity. The emissions associated with venting without control must be included in the work order or equivalent, or in the form of a procedure, a report, or database entry for those planned MSS activities identified in Attachment B. **(08/10)**

- 42. Air contaminant concentration shall be measured using an instrument/detector meeting one set of requirements specified below.
  - A. VOC concentration shall be measured using an instrument meeting all the requirements specified in EPA Method 21 (40 CFR 60, Appendix A) with the following exceptions:
    - i. The instrument shall be calibrated within 24 hours of use with a calibration gas such that the response factor of the VOC (or mixture of VOCs) to be monitored shall be less than 2.0. The calibration gas and the gas to be measured, and its approximate response factor shall be recorded.
    - ii. Sampling shall be performed as directed by this permit in lieu of section 8.3 of Method 21. During sampling, data recording shall not begin until after two times the instrument response time. The date and time shall be recorded, and VOC concentration shall be monitored for at least 5 minutes, recording VOC concentration each minute. The highest measured VOC concentration shall not exceed the specified VOC concentration limit prior to uncontrolled venting.

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B. Colorimetric gas detector tubes may be used to determine air contaminant concentrations if they are used in accordance with the following requirements.

- i. 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 iii., the concentration measured is at least 20 percent of the maximum range of the tube.
- ii. The tube is used in accordance with the manufacturer's guidelines.
- iii. At least 2 samples taken at least 5 minutes apart must satisfy the following prior to uncontrolled venting:

measured contaminant concentration (ppmv) < release concentration.

Where the release concentration is:

10,000\*mole fraction of the total air contaminants present that can be detected by the tube.

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

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

C. Lower explosive limit measured with a lower explosive limit detector.

- i. The detector shall be calibrated monthly with a certified pentane gas standard at 25% of the lower explosive limit (LEL) for pentane. Records of the calibration date/time and calibration result (pass/fail) shall be maintained.
- ii. A daily functionality test shall be performed on each detector using the same certified gas standard used for calibration. The LEL monitor shall read no lower than 90% of the calibration gas certified value. Records, including the date/time and test results, shall be maintained.
- iii. A certified methane or isobutylene gas standard equivalent to 25% of the LEL for pentane may be used for calibration and functionality tests provided that the LEL response is within 95% of that for pentane. **(08/10)**



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43. If the removal of a component for repair or replacement results in an open ended line or valve, the open ended line is exempt from any NSR permit condition requirement to install a cap, blind flange, plug, or second valve for 72 hours. If the repair or replacement is not completed within 72 hours, the permit holder must complete either of the following actions within that time period;
  - A. a cap, blind flange, plug, or second valve must be installed on the line or valve; or
  - B. the 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 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. **(08/10)**
  
44. This permit authorizes emissions from EPN TNKLNDR1 and TNKLNDR2, for the storage tanks identified in the attached facility list during planned floating roof landings. Tank roofs may only be landed for changes of tank service or tank inspection/maintenance as identified in the permit application, except when the VOC vapors below the floating roof are routed to a control device or a controlled recovery system from the time the floating roof is landed until the floating roof is being refloated. Emissions from change of service tank landings 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

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unless the vapor under the floating roof is routed to control or a controlled recovery system during this period. 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:

- i. 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.
- ii. The vapor space under the floating roof shall be vented using good engineering practice to ensure air contaminants are flushed out of the tank through the control device or controlled recovery system to the extent allowed by the storage tank design.
- iii. 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 42.
- iv. 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.
- v. If ventilation is to be maintained with emission control, the VOC concentration shall be recorded once an hour.

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- vi. 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 except as necessary to set up for degassing and cleaning, or ventilated without control, until either all standing liquid has been removed from the tank or the liquid in the tank has a VOC partial pressure less than 0.02 psia. These criteria may be demonstrated in any one of the following ways.
- i. 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.
  - ii. If water is added or sprayed into the tank to remove standing VOC, one of the following must be demonstrated:
    - a. Take a representative sample of the liquid remaining in the tank and verify no visible sheen using the static sheen test from 40 CFR 435 Subpart A Appendix 1.
    - b. Take a representative sample of the liquid remaining in the tank and verify hexane soluble VOC concentration is less than 1000 ppmw using EPA method 1664 (may also use 8260B or 5030 with 8015 from SW-846).
    - c. Stop ventilation and close the tank for at least 24 hours. When the tank manway is opened after this period, verify VOC concentration is less than 1000 ppmv through the procedure in Special Condition 42.
  - iii. No standing liquid verified through visual inspection.

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

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- D. Following a planned MSS-related floating roof landing, tanks shall be refilled as rapidly as practicable until the roof is off its legs with the following exceptions:
- i. Only two gasoline tanks may be filled at any time at a rate not to exceed 22,400 Bbl/hour total. Only two crude tanks may be filled at any time at a rate not to exceed 10,254 bbl/hour total.
  - ii. 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.
- E. 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:
- i. the identification of the tank and emission point number, and any control devices or recovery systems used to reduce emissions;
  - ii. the reason for the tank roof landing;
  - iii. 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,

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- 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;
- iv. the estimated quantity of each air contaminant, or mixture of air contaminants, emitted between events c and g with the data and methods used to determine it. The emissions associated with roof landing activities shall be calculated using the methods described in Section 7.1.3.2 of AP-42 "Compilation of Air Pollution Emission Factors, Chapter 7-Storage of Organic Liquids" dated November 2006 and the permit application.  
**(08/10)**
45. Fixed roof tanks shall not be ventilated without control, until either all standing liquid has been removed from the tank or the liquid in the tank has a VOC partial pressure less than 0.02 psia. This shall be verified and documented through one of the criteria identified in Special Condition 44.C. Fixed roof tanks manways may be opened without emission controls when there is standing liquid with a VOC partial pressure greater than 0.02 psi vapor as necessary to set up for degassing and cleaning. One manway may be opened to allow access to the tank to remove or de-volatilize the remaining liquid. The emission control system shall meet the requirements of Special Condition 44.B.i through 44.B.v and records maintained per Special Condition 44.E.iii.c through 44.E.iii.e, and 44.E.iv. Low vapor pressure liquid may be added to and removed from the tank as necessary to lower the vapor pressure of the liquid mixture remaining in the tank to less than 0.02 psia.  
**(08/10)**
46. 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 except as allowed in Part C of this condition.
  - B. 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

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liquid vacuumed with the greatest potential emissions. Rolling 12 month vacuum truck emissions shall also be determined on a monthly basis.

- C. Vacuum pump or blower may be operated consistent with the requirements in Shell operating procedure M-144, formerly EC-3 submitted with the application. Ensure that these emissions shall stay below the permitted cap. **(08/10)**
47. 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. **(08/10)**
48. 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<sub>x</sub> and CO operating requirements identified in special conditions in other NSR permits during planned startup and shutdown if the following criteria are satisfied.
- i. The maximum allowable emission rates in the permit authorizing the facility are not exceeded.
  - ii. The startup period does not exceed the duration in specified in Attachment E 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 the periods specified in Attachment E.
  - iii. Control devices are started and operating properly when venting a waste gas stream.
- B. A record shall be maintained indicating that the start and end times each of the activities identified above occur and documentation that the requirements for each have been satisfied. **(08/10)**
49. 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.

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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).
- i. The CAS shall consist of 2 carbon canisters in series with adequate carbon supply for the emission control operation.
  - ii. 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. It may be extended to up to 30 percent of the minimum potential saturation time for a new can of carbon. The permit holder shall maintain records including the calculations performed to determine the minimum saturation time.
    - b. The carbon sampling frequency may be extended to longer periods based on previous experience with carbon control of a MSS waste gas stream. The past experience must be with the same VOC, type of facility, and MSS activity. The basis for the sampling frequency shall be recorded. If 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.
  - iii. The method of VOC sampling and analysis shall be by detector meeting the requirements of Special Condition 42.
  - iv. Breakthrough is defined as the highest measured VOC concentration at or exceeding 100 ppmv above background. When the condition of breakthrough of VOC from the initial saturation canister occurs, the waste gas flow shall be switched to the second canister and a fresh canister shall be placed as the new final polishing canister within four hours. Sufficient new activated carbon canisters shall be maintained at the site to replace spent carbon canisters such that replacements can be done in the above specified time frame.

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- v. Records of CAS monitoring shall include the following:
  - a. Sample time and date.
  - b. Monitoring results (ppmv).
  - c. Canister replacement log.
  
- vi. 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.

### B. Thermal Oxidizer.

- i. 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.
  
- ii. 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.

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

### C. Internal Combustion Engine.

- i. The internal combustion engine shall have a VOC destruction efficiency of at least 99 percent.
  
- ii. The engine must have been stack tested with butane to confirm the required destruction efficiency within the past 12 months. VOC shall be measured in accordance with the applicable United States Environmental Protection Agency (EPA) Reference Method during the stack test and the exhaust flow rate may be determined from measured fuel flow rate and measured oxygen concentration. A copy of the stack test report shall be



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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 4 are also acceptable for this documentation

- iii. The engine shall be operated with an oxygen sensor-based air-to-fuel ratio (AFR) controller. Documentation for each AFR controller that the manufacturer's, or supplier's recommended maintenance has been performed, including replacement of the oxygen sensor as necessary for oxygen sensor-based controllers shall be maintained with the engine. The oxygen sensor shall be replaced at least quarterly in the absence of a specific written recommendation.

### D. The plant flare system

- i. The heating value and velocity requirements in 40 CFR 60.18 shall be satisfied during operations authorized by this permit.
- ii. 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 or equivalent.
- iii. Flares systems shall have a continuous flow monitor that provides a record of the vent stream flow to the flare. The monitoring shall be used to maintain waste gas above the minimum heating value.
- iv. The combined assist natural gas and waste stream to each flares shall meet the Title 40 Code of Federal Regulations (40 CFR) § 60.18 specifications

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of minimum heating value and maximum tip velocity. These flares shall have a continuous flow monitor that provides a record of the vent stream flow to the flare. Measurement, good engineering practice, or process knowledge shall also be used to monitor the waste gas stream for compliance with the minimum heating value. **(08/10)**

50. 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:

- i. Install a flow indicator that records and verifies zero flow at least once every fifteen minutes immediately downstream of each valve that if opened would allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere; or
- ii. 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. **(08/10)**

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51. This permit authorizes emissions from the Miscellaneous Painting Fugitives (EPN PAINTFE) for the following planned MSS activities:

<u>Source</u>	<u>Location</u>	<u>Activity</u>
PAINTFE	Refinery Paint Yard	Paint coatings are applied primarily by air atomization or airless sprayers. A limited amount of brushing and rolling is also used. The painting activity emissions will be minimized through good housekeeping practices.

The performance of each maintenance activity and the emissions associated with it shall be recorded, and the rolling 12-month emissions shall be updated on a monthly basis. These records shall include at least the following information:

- A. The physical location at which emissions from the MSS activity occurred, including the emission point number, common name, and any other identifier for the point at which the emissions were released into the atmosphere;
  - B. The type of planned MSS activity and the reason for the planned activity;
  - C. The common name and the facility identification number of the facilities at which the MSS activity and emissions occurred;
  - D. The dates of the MSS activity and its duration;
  - E. The estimated quantity of each air contaminant, or mixture of air contaminants, emitted with the data and methods used to determine it. The emissions shall be estimated using the methods identified in the amendment application, PI-1 dated May 22, 2006, consistent with good engineering practice. **(9/07)**
52. No visible emissions shall leave the property due to painting or abrasive blasting. **(08/10)**
53. Black Beauty, Coal Slag, 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.

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- 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  $ESL_{\text{metal}}/1000$ .
- 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 by the end of the month following the activity. **(08/10)**

- 54. With the exception of the MAERT emission limits and those exceptions listed below, these permit conditions become effective 180 days after this permit has been issued. During this period, monitoring and recordkeeping shall satisfy the requirements in Special Condition 40.A through 40.D. Emissions shall be estimated using good engineering practice and methods to provide reasonably accurate representations for emissions. The basis used for determining the quantity of air contaminants to be emitted shall be recorded. The permit holder may maintain abbreviated records of emissions from Attachment A and B activities as allowed in Special Condition 2 rather than documenting all the information required by Special Condition 2 parts A through D.
- 55. Planned MSS 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 Conditions 39 through 54 must be used when conducting the planned MSS activity, until the commission determines that the efforts are unreasonable or impractical, or that the activity is an unplanned MSS activity. **(08/10)**

Dated: August 19, 2010

ATTACHMENT A

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INHERENTLY LOW EMITTING ACTIVITIES

Activity	Emissions				
	VOC	NO <sub>x</sub>	CO	PM	H <sub>2</sub> S/SO <sub>2</sub>
Catalyst activation/deactivation	X	X	X	X	X
Management of sludge from pits, ponds, sumps, and water conveyances	X			X	X
Aerosol Cans	X			X	
Inspection, repair and replacement of analytical equipment	X	X	X		X
Inspection, repair and replacement of Carbon canisters	X		X	X	X
Catalyst charging/handling	X		X	X	X
Inspection, repair, replacement, adjustment, testing and calibration of Instrumentation/analyzer	X	X	X		X
Meter proving	X				
Inspection, repair, and replacement of filters and screens	X			X	X
Maintenance on water treatment systems (cooling, boiler, potable)	X				
Soap and other liquid based cleaners	X				
Inspection, repair and replacement of monitoring/measuring equipment (e.g., sight glasses, rotometers)	X	X	X		X
Inspection, repair and replacement of ancillary equipment (e.g., coupling alignment, oil seals, blinding)	X	X	X	X	X
Cleaning (including strainers, lube oil systems)	X			X	X
Welding	X	X	X	X	
Leak and operability checks (e.g., steam turbine overspeed tests, troubleshooting)	X	X	X	X	X
Inspection, repair and replacement of fugitive components	X	X	X	X	X
Process Sampling	X	X	X	X	X
Fugitive components associated with maintenance	X	X	X		X
Combinations of the above	X	X	X	X	X

Dated: August 19, 2010

ATTACHMENT B

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ROUTINE MAINTENANCE ACTIVITIES

Pump, compressor, vessel, exchanger, furnace, boiler inspection, repair, replacement not included in Attachment A.

Dated: August 19, 2010

ATTACHMENT C

Permit Numbers 21262 and PSDTX928

MSS ACTIVITY SUMMARY

<b>Facilities</b>	<b>Description</b>	<b>Emissions Activity</b>	<b>EPN</b>
All production-related equipment	process unit/facility startup, shutdown or maintenance	vent to flare	COKEFLARE EP FLARE FLNFLARE WP FLARE
all process units and tanks	preparation for unit turnaround or facility/component inspection, repair/replacement	Manage liquid	FUGVACDPR
all production-related	VOC coating	VOC coating	PAINTFE
all floating roof tanks	tank startup, shutdown or maintenance	Filling, emptying and intervening maintenance	All Floating Roof Tanks
see Attachment A	Inherently low emitting activities	see Attachment A	AEROSAPPL AEROSDISP DEGREAS01 FUGMSSDPR FUGSMPDPR
all production-related	abrasive blasting and non-VOC coating	PM from blasting media, coating preparation, and application	PAINTFE, FUGABRBLST
see Attachment B	Routine maintenance activities	see Attachment B	MSSDECNDPR
All production-related equipment	process unit/facility startup, shutdown or maintenance	Vent to atmosphere	COKERSD DPREFSDSU HP1SDSU SGPSD SHCUSD SULFURSD
All production-related combustion equipment	Combustion facility startup or shutdown	vent to atmosphere	All Combustion Units
Fixed Roof tanks	tank startup, shutdown or maintenance	Filling, emptying and intervening maintenance	All Fixed Roof Tanks
all production-related equipment	Combinations of the above	Combinations of the above	All of the above

Dated: August 19, 2010

## ATTACHMENT D

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### FACILITY LIST

This permit authorizes MSS emissions from the permanent site facilities identified below. Emissions may occur from temporary facilities (frac tanks, containers, vacuum trucks, facilities used for painting or abrasive blasting, portable control devices or controlled recovery systems) to support the MSS activities performed at the permanent site facilities listed below as represented in the permit application.

MSS from facilities authorized by permit number 21262 are eligible for the MSS limits in this permit.

Dated: August 19, 2010



ATTACHMENT E

Permit Numbers 21262 and PSDTX928

TYPICAL HEATER STARTUP AND SHUTDOWN PERIODS

<b>Heater Number</b>	<b>Typical Hours to Shutdown</b>	<b>Typical Hours to Start-up</b>
H-5100	2	12
H-5101	2	12
H-5104	2	12
H-5102	2	12
H-5103	2	12
H-5105	2	12
H-613	2	12
H-63000	2	12
H-5200	2	7
H-5600	6	10
H-1010	10	10
H-1011	8	5
H-1100	72 hours with Hot-Hydrogen Strip. 48 hrs for other	27 hours with Sulfiding 10 hrs for other
H-3300	6	24
H-1170	72 hours with Hot-Hydrogen Strip. 48 hrs for other	27 hours with Sulfiding 10 hrs for other
H-31001	6	24
H-31002	6	24
H-31003	6	24
H-70001	12	24
H-70002	6	24
H1000	12	12
H-1001	6	6
H-5301/2/3/4	12	12
H5305	12	12
H5350	12	12
H-600	2 hr (for Nat Gas, not including CO fuel)	40
H-5400	12	96
H-5402	12	24
H-5403	12	96
H-5404	12	24
H-5500	24	36
H-3600	12	24

Dated: August 19, 2010

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

EMISSION CAPS

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This table lists the maximum allowable emission caps 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. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
A213	CR3 Recycle Gas SG Analyzer	Benzene		
A214	CR3 Recycle Gas Moisture Analyzer	Benzene		
A298	CR3 Regen Gas O <sub>2</sub> Analyzer	Benzene		
A300	CR3 Regen Gas Comb. Analyzer	Benzene		
AP16	AP16 Storage Tank	Benzene		
AP17	AP17 Storage Tank	Benzene		
AP6	AP6 Storage Tank	Benzene		
AP8	AP8 Storage Tank	Benzene		
AYARDOWS	WW - Sewer A Yard Oily Water	Benzene		
BARGE	Marine Loading - Barge Docks	Benzene		
BENZENE1	Marine Loading - Benzene Dock 1	Benzene		
BENZENE2	Marine Loading - Benzene Dock 2	Benzene		
BENZENE4	Marine Loading - Benzene Dock 4	Benzene		
BYARDOWS	WW - Sewer B Yard Oily Water	Benzene		
CCLP	WW - Cat Cracker Lube Plant	Benzene		
CPI1	WW- CPI Oil Water Separator	Benzene		
CPI2	WW- CPI Oil Water Separator	Benzene		
CRUDE	Marine Loading - Crude Docks	Benzene		
CYARDOWS	Wastewater Fugitives (4)	Benzene		
DAOWS	WW - Sewer DA Oily Water	Benzene		
DD2	WW - Dispatching Distilling 2	Benzene		
DOCK1	Marine Loading - Dock 1	Benzene		
DOCK2	Marine Loading - Dock 2	Benzene		
DOCK4	Marine Loading - Dock 4	Benzene		
DOCKS	Dock Wastewater Collection	Benzene		
DYARDOWS	WW - Sewer D Yard Oily Water	Benzene		
F314	F314 Storage Tank	Benzene		
F315	F315 Storage Tank	Benzene		
F316	F316 Storage Tank	Benzene		
F317	F317 Storage Tank	Benzene		
F338	F338 Storage Tank	Benzene		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
FUGCCU	FCCU Fugitives (4)	Benzene		
FUGCCUSCR	FCCU SCR Fugitives (4)	Benzene		
FUGCOKER	Coke Handling Fugitives (4)	Benzene		
FUGCR3	CR3 Fugitives (4)	Benzene		
FUGCR3TF	Hydroprocessing Tank Farm Fugitives (4)	Benzene		
FUGDHT	DHT Fugitives (4)	Benzene		
FUGDISP	DISP Fugitive	Benzene		
FUGDOCK	Dock Fugitives (4)	Benzene		
FUGDU1	DU1 Fugitives (4)	Benzene		
FUGDU2	DU2 Fugitives (4)	Benzene		
FUGDU2B	DU3 Fugitives (4)	Benzene		
FUGENVN	Environmental North Fugitives (4)	Benzene		
FUGGFRAC	GFRAC Fugitives (4)	Benzene		
FUGGOHT	GOHT Fugitives (4)	Benzene		
FUGGR	GR Fugitives (4)	Benzene		
FUGHDU1	HDU1 Fugitives (4)	Benzene		
FUGHP1	HP1 Fugitives (4)	Benzene		
FUGLHT2	LHT2 Fugitives (4)	Benzene		
FUGPLAT2	PLAT2 Fugitives (4)	Benzene		
FUGPSA	PSA Fugitives (4)	Benzene		
FUGSGP	SGP Fugitives (4)	Benzene		
FUGSHCU	SHCU Fugitives (4)	Benzene		
FUGTHCR	Thermal Cracking Fugitives (4)	Benzene		
G308	G308 Storage Tank	Benzene		
G309	G309 Storage Tank	Benzene		
G310	G310 Storage Tank	Benzene		
G311	G311 Storage Tank	Benzene		
G313	G313 Storage Tank	Benzene		
G315	G315 Storage Tank	Benzene		
G316	G316 Storage Tank	Benzene		
G320	G320 Storage Tank	Benzene		
G322	G322 Storage Tank	Benzene		
G323	G323 Storage Tank	Benzene		
G326	G326 Storage Tank	Benzene		
G327	G327 Storage Tank	Benzene		
G328	G328 Storage Tank	Benzene		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
G329	G329 Storage Tank	Benzene		
G332	G332 Storage Tank	Benzene		
G342	G342 Storage Tank	Benzene		
G346	G346 Storage Tank	Benzene		
G348	G348 Storage Tank	Benzene		
G355	G355 Storage Tank	Benzene		
G356	G356 Storage Tank	Benzene		
G357	G357 Storage Tank	Benzene		
G358	G358 Storage Tank	Benzene		
G360	G360 Storage Tank	Benzene		
GIRBOTWW	WW Collection in Girbitol	Benzene		
HVIOWS	WW - Sewer HVI Oily Water	Benzene		
J303B	J303B Storage Tank	Benzene		
J304	J304 Storage Tank	Benzene		
J308	J308 Storage Tank	Benzene		
J309	J309 Storage Tank	Benzene		
J311	J311 Storage Tank	Benzene		
J312	J312 Storage Tank	Benzene		
J315	J315 Storage Tank	Benzene		
J316	J316 Storage Tank	Benzene		
J317	J317 Storage Tank	Benzene		
J320	J320 Storage Tank	Benzene		
J322	J322 Storage Tank	Benzene		
J323	J323 Storage Tank	Benzene		
J324	J324 Storage Tank	Benzene		
J326	J326 Storage Tank	Benzene		
J327	J327 Storage Tank	Benzene		
J328	J328 Storage Tank	Benzene		
J336	J336 Storage Tank	Benzene		
J337	J337 Storage Tank	Benzene		
J338	J338 Storage Tank	Benzene		
J348	J348 Storage Tank	Benzene		
J349	J349 Storage Tank	Benzene		
K303	K303 Storage Tank	Benzene		
K304	K304 Storage Tank	Benzene		
LEUOWS	WW - Sewer LEU Oily Water	Benzene		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
LHT1OWS	WW - Sewer LHT1 Oily Water	Benzene		
LHT2OWS	WW - Sewer LHT2 Oily Water	Benzene		
LOADOWS	WW - Sewer Loading Racks	Benzene		
MANHOLE4	WW - Manhole 4	Benzene		
MVIDEASS	WW - Sewer DEA	Benzene		
MVIOWS	WW - Sewer MVI Oily Water	Benzene		
NAB	North Aeration Basin	Benzene		
NDAF	WW - North DAF Unit	Benzene		
OWATCTF	WW - Alky Tank Farm Oily Water	Benzene		
OWDU1	WW - Sewer Oily Water HUB	Benzene		
S412	S412 Storage Tank	Benzene		
SAB	South Aeration Basin	Benzene		
SDAF	WW - South DAF Unit	Benzene		
SR3/4WW	SR3/4 Wastewater Collection	Benzene		
SS376	SS376 Storage Tank	Benzene		
SS377	SS377 Storage Tank	Benzene		
SS378	SS378 Storage Tank	Benzene		
SS379	SS379 Storage Tank	Benzene		
SS403	SS403 Storage Tank	Benzene		
T1F323	T1F323 Storage Tank	Benzene		
T1F324	T1F324 Storage Tank	Benzene		
T1F329	T1F329 Storage Tank	Benzene		
T1F330	T1F330 Storage Tank	Benzene		
T301	T301 Storage Tank	Benzene		
T302	T302 EXTFLT Refinery WW Storage Tank	Benzene		
TA301	TA301 Storage Tank	Benzene		
TA305	TA305 Storage Tank	Benzene		
TA306	TA306 Storage Tank	Benzene		
TA307	TA307 Storage Tank	Benzene		
TA308	TA308 Storage Tank	Benzene		
TA309	TA309 Storage Tank	Benzene		
TA310	TA310 Storage Tank	Benzene		
TA312	TA312 Storage Tank	Benzene		
TA313	age Tank	Benzene		
TA315	TA315 Storage Tank	Benzene		
TA316	TA316 Storage Tank	Benzene		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
TA317	TA317 Storage Tank	Benzene		
TA318	TA318 Storage Tank	Benzene		
TA319	TA319 Storage Tank	Benzene		
TA320	TA320 Storage Tank	Benzene		
TA321	TA321 Storage Tank	Benzene		
TA322	TA322 Storage Tank	Benzene		
TA324	TA324 Storage Tank	Benzene		
TA325	TA325 Storage Tank	Benzene		
TA326	TA326 Storage Tank	Benzene		
TA329	TA329 Storage Tank	Benzene		
TA330	TA330 Storage Tank	Benzene		
TA331	TA331 Storage Tank	Benzene		
TA332	TA332 Storage Tank	Benzene		
TA334	TA334 Storage Tank	Benzene		
TC and G	WW - Thermal Cracking and Gas Treating	Benzene		
TG324	TG324 Storage Tank	Benzene		
TG362	TG362 Storage Tank	Benzene		
TJ333	TJ333 Storage Tank	Benzene		
TJ334	TJ334 Storage Tank	Benzene		
TJ335	TJ335 Storage Tank	Benzene		
TJ339R1	TJ339R1 Storage Tank	Benzene		
TK305	TK305 Storage Tank	Benzene		
TRKLFIL	WW - Trickle Filter	Benzene		
TRKLSMP	WW - Trickle Sump	Benzene		
WAXPTOWS	WW - Sewer Wax Plant Oily Water	Benzene		
WAXPTWAX	WW - Sewer Wax Plant Wax	Benzene		
X311	INTFLT/Amine Solutions Storage Tank	Benzene		
X312	INTFLT/Amine Solutions Storage Tank	Benzene		
X313	INTFLT/Slop Oil Storage Tank	Benzene		
X315	Ballast Water Storage Tank	Benzene		
X316	WW - DAF Float	Benzene		
X320	Ballast Water O/S Storage Tank	Benzene		
X321	Slop Oil Storage Tank	Benzene		
X322	X322 Storage Tank	Benzene		
X323	X323 Storage Tank	Benzene		
X324	FXTNK2/Misc Organic Storage Tank	Benzene		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
X325	FXTNK2/Misc Organic Storage Tank	Benzene		
X326	FXTNK2/DAF Float Storage Tank	Benzene		
X327	FXTNK2/DAF Float Storage Tank	Benzene		
X328	FXTNK2/Misc Organic Storage Tank	Benzene		
X330	WW - Equalization Tank	Benzene		
X330SM	WW - Sump	Benzene		
	<b>FINAL EMISSIONS CAP</b>	Benzene	10.96	30.36
A1006	H <sub>2</sub> S 4 Point Analyzer	CO		
A10823	CCU CO Analyzer	CO		
A10824	CO Analyzer	CO		
A10825	O <sub>2</sub> Analyzer	CO		
A10502	CCU SNCR NO <sub>x</sub> /SO <sub>2</sub> /O <sub>2</sub> Analyzer	CO		
A162	H5301 O <sub>2</sub> Analyzer	CO		
A180	H5302 O <sub>2</sub> Analyzer	CO		
A236	H5305 O <sub>2</sub> Analyzer	CO		
A34160	CR-3 Furnaces CEMS Analyzer	CO		
A785	H5303 O <sub>2</sub> Analyzer	CO		
A786	H5304 O <sub>2</sub> Analyzer	CO		
AE2340	Octane Testing Engine	CO		
AE2636	Octane Testing Engine	CO		
AE2650	Octane Testing Engine	CO		
AE348	On-line Knock Engine	CO		
AE349	On-line Knock Engine	CO		
AE388	On-line Knock Engine	CO		
AE389	On-line Knock Engine	CO		
AE700	Octane Testing Engine	CO		
AE768	Octane Testing Engine	CO		
FLARECCU	CCU Flare	CO		
FLARECOKE	Coker Flare	CO		
FLAREEP	East Property Flare	CO		
FLAREGIRB	EP (Girbitol) Flare	CO		
FLARELHT	LHT Flare	CO		
FLARENP	North Property Flare	CO		
FLARESOUTH	South Property Flare	CO		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
FLAREWP	West Property Flare	CO		
H1000	PLAT2 Heater	CO		
H1001	Guard Bed Start-up Heater	CO		
H1010	HDU-1 Charge Heater	CO		
H1011	HDU-1 Reboiler Heater	CO		
H1100	DHT Heater	CO		
H1170	CFH Charge Heater	CO		
H31001/2	Coker Heaters No. 1 and 2	CO		
H31003	Coker Heater No. 3	CO		
H3300	DHT H <sub>2</sub> Heater	CO		
H36100	CGHT Heater	CO		
H5100	DU-2 South Crude Heater	CO		
H5101	DU-2 North Crude Heater	CO		
H5102	DU-2 South Flasher Charge Heater	CO		
H5103	DU-2 North Flasher Charge Heater	CO		
H5104	DU-2 Preflash Heater	CO		
H5105	DU-2 Preflash2 Heater	CO		
H5200	HDU-2 Charge Heater	CO		
H53NN	Catalytic Reformer SCR	CO		
H5400	SHCU South Charge Heater	CO		
H5402	SHCU Reboiler Heater	CO		
H5403	SHCU North Charge Heater	CO		
H5404	SHCU Post-Frac Heater	CO		
H5500A	SMR Heater A	CO		
H5500B	SMR Heater B	CO		
H5500C	SMR Heater C	CO		
H5600	SGP Heat Medium Heater	CO		
H600	FCCU CO Boiler	CO		
H613	DU-1 Secondary Pre-Heater	CO		
H63000	HVI Column Charge Heater	CO		
H70001/2	GOHT Recycle Gas and Frac. Reboiler Heaters	CO		
H850S1	PERC Heater - North Stack	CO		
H850S2	PERC Heater - South Stack	CO		
H9150R1	Heater	CO		
SR3/4STACK	SR-3/4 Incinerator	CO		
SR5STACK	SR5 Tail Gas Incinerator	CO		



## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
SR6STACK	SR6 Tail Gas Incinerator	CO		
SR7STACK	SR7 Tail Gas Incinerator	CO		
SR8STACK	SR8 Tail Gas Incinerator	CO		
	<b>FINAL EMISSIONS CAP</b>	CO	1124.15	4204.57
A1284	Debut. Tops Analyzer	H <sub>2</sub> S		
A1760	H <sub>2</sub> S Analyzer	H <sub>2</sub> S		
AP16	Storage Tank	H <sub>2</sub> S		
AP17	Storage Tank	H <sub>2</sub> S		
BARGE	Marine Loading - Barge Docks	H <sub>2</sub> S		
BENZENE1	Marine Loading - Benzene Dock 1	H <sub>2</sub> S		
BENZENE2	Marine Loading - Benzene Dock 2	H <sub>2</sub> S		
BENZENE4	Marine Loading - Benzene Dock 4	H <sub>2</sub> S		
BYARDOWS	WW - Sewer B Yard Oily Water	H <sub>2</sub> S		
C9150/51	C9150/51 Vent	H <sub>2</sub> S		
C9152/53	C9152/53 Vent	H <sub>2</sub> S		
CRUDE	Marine Loading - Crude Docks	H <sub>2</sub> S		
DOCK1	Marine Loading - Dock 1	H <sub>2</sub> S		
DOCK2	Marine Loading - Dock 2	H <sub>2</sub> S		
DOCK4	Marine Loading - Dock 4	H <sub>2</sub> S		
F338	F338 Storage Tank	H <sub>2</sub> S		
FLARECCU	CCU Flare	H <sub>2</sub> S		
FLARECOKE	Coker Flare	H <sub>2</sub> S		
FLAREEP	East Property Flare	H <sub>2</sub> S		
FLAREGIRB	EP (Girbitol) Flare	H <sub>2</sub> S		
FLARELHT	LHT Flare	H <sub>2</sub> S		
FLARENP	North Property Flare	H <sub>2</sub> S		
FLARESOUTH	South Property Flare	H <sub>2</sub> S		
FLAREWP	West Property Flare	H <sub>2</sub> S		
FUGALKY	Alky Fugitives (4)	H <sub>2</sub> S		
FUGAYARD	Fugitives (4)	H <sub>2</sub> S		
FUGCCU	FCCU Fugitives (4)	H <sub>2</sub> S		
FUGCFH	CFH Fugitives (4)	H <sub>2</sub> S		
FUGCOKER	Coke Handling Fugitives (4)	H <sub>2</sub> S		
FUGCPU	CPU Fugitives (4)	H <sub>2</sub> S		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
FUGCR3	CR3 Fugitives (4)	H <sub>2</sub> S		
FUGCR3TF	Hydroprocessing Tank Farm Fugitives (4)	H <sub>2</sub> S		
FUGDHT	DHT Fugitives (4)	H <sub>2</sub> S		
FUGDISP	DISP Fugitive	H <sub>2</sub> S		
FUGDU1	DU1 Fugitives (4)	H <sub>2</sub> S		
FUGDU2	DU2 Fugitives (4)	H <sub>2</sub> S		
FUGGFRAC	GFRAC Fugitives (4)	H <sub>2</sub> S		
FUGGIRBIT	Girbitol Fugitives (4)	H <sub>2</sub> S		
FUGGOHT	GOHT Fugitives (4)	H <sub>2</sub> S		
FUGGR	GR Fugitives (4)	H <sub>2</sub> S		
FUGHDU1	DU1 Fugitives (4)	H <sub>2</sub> S		
FUGHP1	HP1 Fugitives (4)	H <sub>2</sub> S		
FUGLHT2	LHT2 Fugitives (4)	H <sub>2</sub> S		
FUGPLAT2	PLAT2 Fugitives (4)	H <sub>2</sub> S		
FUGSGP	SGP Fugitives (4)	H <sub>2</sub> S		
FUGSHCU	SHCU Fugitives (4)	H <sub>2</sub> S		
FUGSR5	SR5 Fugitives (4)	H <sub>2</sub> S		
FUGSR6	SR6 Fugitives (4)	H <sub>2</sub> S		
FUGSR7	SR7 Fugitives (4)	H <sub>2</sub> S		
FUGSR8	SR8 Fugitives (4)	H <sub>2</sub> S		
FUGTHCR	Thermal Cracking Fugitives (4)	H <sub>2</sub> S		
G332	G332 Storage Tank	H <sub>2</sub> S		
J317	J317 Storage Tank	H <sub>2</sub> S		
J318B	J318B Storage Tank	H <sub>2</sub> S		
J325	J325 Storage Tank	H <sub>2</sub> S		
J326	J326 Storage Tank	H <sub>2</sub> S		
J327	J327 Storage Tank	H <sub>2</sub> S		
J328	J328 Storage Tank	H <sub>2</sub> S		
J331	J331 Storage Tank	H <sub>2</sub> S		
J332	J332 Storage Tank	H <sub>2</sub> S		
J348	J348 Storage Tank	H <sub>2</sub> S		
J349	J349 Storage Tank	H <sub>2</sub> S		
L2COMPVT	L2COMPVT Vent	H <sub>2</sub> S		
LDSULF67	SR6 and SR7 Loading Rack	H <sub>2</sub> S		
LHT1OWS	WW - Sewer LHT1 Oily Water	H <sub>2</sub> S		
LHT2OWS	WW - Sewer LHT2 Oily Water	H <sub>2</sub> S		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
MVIDEASS	WW - Sewer DEA	H <sub>2</sub> S		
RKLTC/TT	Load	H <sub>2</sub> S		
S429	S429 Storage Tank	H <sub>2</sub> S		
SR3/4PIT	SR3/4 Sulfur Pit	H <sub>2</sub> S		
SR3/4STACK	SR-3/4 Incinerator	H <sub>2</sub> S		
SR5L01	SR5 Loading Rack	H <sub>2</sub> S		
SR5L02	SR5 Loading Rack	H <sub>2</sub> S		
SR5STACK	SR5 Tail Gas Incinerator	H <sub>2</sub> S		
SR6STACK	SR6 Tail Gas Incinerator	H <sub>2</sub> S		
SR7STACK	SR7 Tail Gas Incinerator	H <sub>2</sub> S		
SR8STACK	SR8 Tail Gas Incinerator	H <sub>2</sub> S		
SRTT	SR3/4 Loading Rack	H <sub>2</sub> S		
SS343	SS343 Storage Tank	H <sub>2</sub> S		
SULFUR	SR5 Sulfur Pit	H <sub>2</sub> S		
TA301	TA301 Storage Tank	H <sub>2</sub> S		
TA305	TA305 Storage Tank	H <sub>2</sub> S		
TA306	TA306 Storage Tank	H <sub>2</sub> S		
TA307	TA307 Storage Tank	H <sub>2</sub> S		
TA310	TA310 Storage Tank	H <sub>2</sub> S		
TA312	TA312 Storage Tank	H <sub>2</sub> S		
TA313	TA313 Storage Tank	H <sub>2</sub> S		
TA315	TA315 Storage Tank	H <sub>2</sub> S		
TA316	TA316 Storage Tank	H <sub>2</sub> S		
TA317	TA317 Storage Tank	H <sub>2</sub> S		
TA318	TA318 Storage Tank	H <sub>2</sub> S		
TA319	TA319 Storage Tank	H <sub>2</sub> S		
TA320	TA320 Storage Tank	H <sub>2</sub> S		
TA321	TA321 Storage Tank	H <sub>2</sub> S		
TA322	TA322 Storage Tank	H <sub>2</sub> S		
TA324	TA324 Storage Tank	H <sub>2</sub> S		
TA325	TA325 Storage Tank	H <sub>2</sub> S		
TA326	TA326 Storage Tank	H <sub>2</sub> S		
TA329	TA329 Storage Tank	H <sub>2</sub> S		
TA330	TA330 Storage Tank	H <sub>2</sub> S		
TA331	TA331 Storage Tank	H <sub>2</sub> S		
TA332	TA332 Storage Tank	H <sub>2</sub> S		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
TA334	TA334 Storage Tank	H <sub>2</sub> S		
TG324	TG324 Storage Tank	H <sub>2</sub> S		
TG362	TG362 Storage Tank	H <sub>2</sub> S		
TJ339R1	TJ339R1 Storage Tank	H <sub>2</sub> S		
TSR67	Molten Sulfur Tank	H <sub>2</sub> S		
VA03	VA03 Storage Tank	H <sub>2</sub> S		
VA04	VA04 Storage Tank	H <sub>2</sub> S		
X313	INTFLT/Slop Oil Storage Tank	H <sub>2</sub> S		

**FINAL EMISSIONS CAP**H<sub>2</sub>S

29.61

85.77

AYARDOWS	WW - Sewer A Yard Oily Water	NH <sub>3</sub>
BYARDOWS	WW - Sewer B Yard Oily Water	NH <sub>3</sub>
CCLP	WW - Cat Cracker Lube Plant	NH <sub>3</sub>
CPI1	WW- CPI Oil Water Separator	NH <sub>3</sub>
CPI2	WW- CPI Oil Water Separator	NH <sub>3</sub>
CYARDOWS	Wastewater Fugitives (4)	NH <sub>3</sub>
DAOWS	WW - Sewer DA Oily Water	NH <sub>3</sub>
DD2	WW - Dispatching Distilling 2	NH <sub>3</sub>
DOCKS	Dock Wastewater Collection	NH <sub>3</sub>
DYARDOWS	WW - Sewer D Yard Oily Water	NH <sub>3</sub>
FUGCCU	FCCU Fugitives (4)	NH <sub>3</sub>
FUGCCUSCR	FCCU SCR Fugitives (4)	NH <sub>3</sub>
FUGCOKER	Coke Handling Fugitives (4)	NH <sub>3</sub>
FUGCR3SCR	CR3 SCR Fugitives (4)	NH <sub>3</sub>
FUGDHT	DHT Fugitives (4)	NH <sub>3</sub>
FUGDISP	DISP Fugitive	NH <sub>3</sub>
FUGDOCK	Dock Fugitives (4)	NH <sub>3</sub>
FUGDU2	DU2 Fugitives (4)	NH <sub>3</sub>
FUGHDU1	DU1 Fugitives (4)	NH <sub>3</sub>
FUGSR6	SR6 Fugitives (4)	NH <sub>3</sub>
FUGSR7	SR7 Fugitives (4)	NH <sub>3</sub>
FUGSR8	SR8 Fugitives (4)	NH <sub>3</sub>
GIRBOTWW	WW Collection in Girbitol	NH <sub>3</sub>
H53NN	Catalytic Reformer SCR	NH <sub>3</sub>
H600	FCCU CO Boiler	NH <sub>3</sub>

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
HVIOWS	WW - Sewer HVI Oily Water	NH <sub>3</sub>		
J318B	J318B Storage Tank	NH <sub>3</sub>		
LEUOWS	WW - Sewer LEU Oily Water	NH <sub>3</sub>		
LHT1OWS	WW - Sewer LHT1 Oily Water	NH <sub>3</sub>		
LHT2OWS	WW - Sewer LHT2 Oily Water	NH <sub>3</sub>		
LOADOWS	WW - Sewer Loading Racks	NH <sub>3</sub>		
MANHOLE4	WW - Manhole 4	NH <sub>3</sub>		
MVIDEASS	WW - Sewer DEA	NH <sub>3</sub>		
MVIOWS	WW - Sewer MVI Oily Water	NH <sub>3</sub>		
NAB	North Aeration Basin	NH <sub>3</sub>		
NDAF	WW - North DAF Unit	NH <sub>3</sub>		
OWDU1	WW - Sewer Oily Water HUB	NH <sub>3</sub>		
S429	S429 Storage Tank	NH <sub>3</sub>		
SAB	South Aeration Basin	NH <sub>3</sub>		
SDAF	WW - South DAF Unit	NH <sub>3</sub>		
SR3/4WW	SR3/4 Wastewater Collection	NH <sub>3</sub>		
T301	T301 Storage Tank	NH <sub>3</sub>		
T302	T302 EXTFLT Refinery WW Storage Tank	NH <sub>3</sub>		
TC and G	WW - Thermal Cracking and Gas Treating	NH <sub>3</sub>		
TRKLFIL	WW - Trickle Filter	NH <sub>3</sub>		
TRKLSMP	WW - Trickle Sump	NH <sub>3</sub>		
WAXPTOWS	WW - Sewer Wax Plant Oily Water	NH <sub>3</sub>		
WAXPTWAX	WW - Sewer Wax Plant Wax	NH <sub>3</sub>		
X311	INTFLT/Amine Solutions Storage Tank	NH <sub>3</sub>		
X312	INTFLT/Amine Solutions Storage Tank	NH <sub>3</sub>		
X316	WW - DAF Float	NH <sub>3</sub>		
X330	WW - Equalization Tank	NH <sub>3</sub>		
X330SM	WW - Sump	NH <sub>3</sub>		
	<b>FINAL EMISSIONS CAP</b>	NH <sub>3</sub>	10.69	46.76
A10823	CCU CO Analyzer	NO <sub>x</sub>		
A10824	CO Analyzer	NO <sub>x</sub>		
A10825	O <sub>2</sub> Analyzer	NO <sub>x</sub>		
A10502	CCU SNCR NO <sub>x</sub> /SO <sub>2</sub> /O <sub>2</sub> Analyzer	NO <sub>x</sub>		
A162	H5301 O <sub>2</sub> Analyzer	NO <sub>x</sub>		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
A180	H5302 O <sub>2</sub> Analyzer	NO <sub>x</sub>		
A236	H5305 O <sub>2</sub> Analyzer	NO <sub>x</sub>		
A34160	CR-3 Furnaces CEMS Analyzer	NO <sub>x</sub>		
A785	H5303 O <sub>2</sub> Analyzer	NO <sub>x</sub>		
A786	H5304 O <sub>2</sub> Analyzer	NO <sub>x</sub>		
AE2340	Octane Testing Engine	NO <sub>x</sub>		
AE2636	Octane Testing Engine	NO <sub>x</sub>		
AE2650	Octane Testing Engine	NO <sub>x</sub>		
AE348	On-line Knock Engine	NO <sub>x</sub>		
AE349	On-line Knock Engine	NO <sub>x</sub>		
AE388	On-line Knock Engine	NO <sub>x</sub>		
AE389	On-line Knock Engine	NO <sub>x</sub>		
AE700	Octane Testing Engine	NO <sub>x</sub>		
AE768	Octane Testing Engine	NO <sub>x</sub>		
FLARECCU	CCU Flare	NO <sub>x</sub>		
FLARECOKE	Coker Flare	NO <sub>x</sub>		
FLAREEP	East Property Flare	NO <sub>x</sub>		
FLAREGIRB	EP (Girbitol) Flare	NO <sub>x</sub>		
FLARELHT	LHT Flare	NO <sub>x</sub>		
FLARENP	North Property Flare	NO <sub>x</sub>		
FLARESOUTH	South Property Flare	NO <sub>x</sub>		
FLAREWP	West Property Flare	NO <sub>x</sub>		
H1000	PLAT2 Heater	NO <sub>x</sub>		
H1001	Guard Bed Start-up Heater	NO <sub>x</sub>		
H1010	HDU-1 Charge Heater	NO <sub>x</sub>		
H1011	HDU-1 Reboiler Heater	NO <sub>x</sub>		
H1100	DHT Heater	NO <sub>x</sub>		
H1170	CFH Charge Heater	NO <sub>x</sub>		
H31001/2	Coker Heaters No. 1 and 2	NO <sub>x</sub>		
H31003	Coker Heater No. 3	NO <sub>x</sub>		
H3300	DHT H <sub>2</sub> Heater	NO <sub>x</sub>		
H36100	CGHT Heater	NO <sub>x</sub>		
H5100	DU-2 South Crude Heater	NO <sub>x</sub>		
H5101	DU-2 North Crude Heater	NO <sub>x</sub>		
H5102	DU-2 South Flasher Charge Heater	NO <sub>x</sub>		
H5103	DU-2 North Flasher Charge Heater	NO <sub>x</sub>		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
H5104	DU-2 Preflash Heater	NO <sub>x</sub>		
H5105	DU-2 Preflash2 Heater	NO <sub>x</sub>		
H5200	HDU-2 Charge Heater	NO <sub>x</sub>		
H53NN	Catalytic Reformer SCR	NO <sub>x</sub>		
H5400	SHCU South Charge Heater	NO <sub>x</sub>		
H5402	SHCU Reboiler Heater	NO <sub>x</sub>		
H5403	SHCU North Charge Heater	NO <sub>x</sub>		
H5404	SHCU Post-Frac Heater	NO <sub>x</sub>		
H5500A	SMR Heater A	NO <sub>x</sub>		
H5500B	SMR Heater B	NO <sub>x</sub>		
H5500C	SMR Heater C	NO <sub>x</sub>		
H5600	SGP Heat Medium Heater	NO <sub>x</sub>		
H600	FCCU CO Boiler	NO <sub>x</sub>		
H613	DU-1 Secondary Pre-Heater	NO <sub>x</sub>		
H63000	HVI Column Charge Heater	NO <sub>x</sub>		
H70001/2	GOHT Recycle Gas and Frac. Reboiler Heaters	NO <sub>x</sub>		
H850S1	PERC Heater - North Stack	NO <sub>x</sub>		
H850S2	PERC Heater - South Stack	NO <sub>x</sub>		
H9150R1	Heater	NO <sub>x</sub>		
SR3/4STACK	SR-3/4 Incinerator	NO <sub>x</sub>		
SR5STACK	SR5 Tail Gas Incinerator	NO <sub>x</sub>		
SR6STACK	SR6 Tail Gas Incinerator	NO <sub>x</sub>		
SR7STACK	SR7 Tail Gas Incinerator	NO <sub>x</sub>		
SR8STACK	SR8 Tail Gas Incinerator	NO <sub>x</sub>		

**FINAL EMISSIONS CAP**NO<sub>x</sub>

552.33

1949.56

A10823	CCU CO Analyzer	PM
A10824	CO Analyzer	PM
A10825	O <sub>2</sub> Analyzer	PM
A10502	CCU SNCR NO <sub>x</sub> /SO <sub>2</sub> /O <sub>2</sub> Analyzer	PM
A162	H5301 O <sub>2</sub> Analyzer	PM
A180	H5302 O <sub>2</sub> Analyzer	PM
A236	H5305 O <sub>2</sub> Analyzer	PM
A34160	CR-3 Furnaces CEMS Analyzer	PM

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
A785	H5303 O <sub>2</sub> Analyzer	PM		
A786	H5304 O <sub>2</sub> Analyzer	PM		
AE2340	Octane Testing Engine	PM		
AE2636	Octane Testing Engine	PM		
AE2650	Octane Testing Engine	PM		
AE348	On-line Knock Engine	PM		
AE349	On-line Knock Engine	PM		
AE388	On-line Knock Engine	PM		
AE389	On-line Knock Engine	PM		
AE700	Octane Testing Engine	PM		
AE768	Octane Testing Engine	PM		
CWT10	Cooling Tower No.10 (4)	PM		
CWT11	Cooling Tower No.11 (4)	PM		
CWT12	Cooling Tower No.12 (4)	PM		
CWT14	Cooling Tower No.14 (4)	PM		
CWT15	Cooling Tower No.15 (4)	PM		
CWT16/16A	Cooling Tower No.16/16A (4)	PM		
CWT17	Cooling Tower No.17 (4)	PM		
CWT6	Cooling Tower No.6 (4)	PM		
CWT7	Cooling Tower No.7 (4)	PM		
CWT8	Cooling Tower No.8 (4)	PM		
CWT9	Cooling Tower No.9 (4)	PM		
FUGCOKEPM1	Coke Pile Wind Erosion Fugitives (4)	PM		
FUGCOKEPM1A	Coke Pile 2 Fugitives (4)	PM		
FUGCOKEPM2	Coke Pile Crane Fugitives (4)	PM		
FUGCOKEPM3	Coke Crusher Fugitives (4)	PM		
FUGCOKEPM4	Coke Crusher Discharge Fugitives (4)	PM		
FUGCOKEPM5	Coke Transfer Conveyor Fugitives (4)	PM		
FUGCOKEPM6	Coke Conveyor Discharge Fugitives (4)	PM		
FUGCOKEPM7	Coke Barge Loading Fugitives (4)	PM		
H1000	PLAT2 Heater	PM		
H1001	Guard Bed Start-up Heater	PM		
H1010	HDU-1 Charge Heater	PM		
H1011	HDU-1 Reboiler Heater	PM		
H1100	DHT Heater	PM		
H1170	CFH Charge Heater	PM		



## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
H31001/2	Coker Heaters No. 1 and 2	PM		
H31003	Coker Heater No. 3	PM		
H3300	DHT H <sub>2</sub> Heater	PM		
H36100	CGHT Heater	PM		
H5100	DU-2 South Crude Heater	PM		
H5101	DU-2 North Crude Heater	PM		
H5102	DU-2 South Flasher Charge Heater	PM		
H5103	DU-2 North Flasher Charge Heater	PM		
H5104	DU-2 Preflash Heater	PM		
H5105	DU-2 Preflash2 Heater	PM		
H5200	HDU-2 Charge Heater	PM		
H53NN	Catalytic Reformer SCR	PM		
H5400	SHCU South Charge Heater	PM		
H5402	SHCU Reboiler Heater	PM		
H5403	SHCU North Charge Heater	PM		
H5404	SHCU Post-Frac Heater	PM		
H5500A	SMR Heater A	PM		
H5500B	SMR Heater B	PM		
H5500C	SMR Heater C	PM		
H5600	SGP Heat Medium Heater	PM		
H600	FCCU CO Boiler	PM		
H613	DU-1 Secondary Pre-Heater	PM		
H63000	HVI Column Charge Heater	PM		
H70001/2	GOHT Recycle Gas and Frac. Reboiler Heaters	PM		
H850S1	PERC Heater - North Stack	PM		
H850S2	PERC Heater - South Stack	PM		
H9150R1	Heater	PM		
PAINTFE	Miscellaneous Painting Fugitives	PM		
SR3/4STACK	SR-3/4 Incinerator	PM		
SR5STACK	SR5 Tail Gas Incinerator	PM		
SR6STACK	SR6 Tail Gas Incinerator	PM		
SR7STACK	SR7 Tail Gas Incinerator	PM		
SR8STACK	SR8 Tail Gas Incinerator	PM		
<b>FINAL EMISSIONS CAP</b>		PM	143.13	561.88

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
A1745	SR-3/4 SO <sub>2</sub> CEMS Analyzer	SO <sub>2</sub>		
A10823	CCU CO Analyzer	SO <sub>2</sub>		
A10824	CO Analyzer	SO <sub>2</sub>		
A10825	O <sub>2</sub> Analyzer	SO <sub>2</sub>		
A10502	CCU SNCR NO <sub>x</sub> /SO <sub>2</sub> /O <sub>2</sub> Analyzer	SO <sub>2</sub>		
A162	H5301 O <sub>2</sub> Analyzer	SO <sub>2</sub>		
A180	H5302 O <sub>2</sub> Analyzer	SO <sub>2</sub>		
A236	H5305 O <sub>2</sub> Analyzer	SO <sub>2</sub>		
A34160	CR-3 Furnaces CEMS Analyzer	SO <sub>2</sub>		
A785	H5303 O <sub>2</sub> Analyzer	SO <sub>2</sub>		
A786	H5304 O <sub>2</sub> Analyzer	SO <sub>2</sub>		
AE2340	Octane Testing Engine	SO <sub>2</sub>		
AE2636	Octane Testing Engine	SO <sub>2</sub>		
AE2650	Octane Testing Engine	SO <sub>2</sub>		
AE348	On-line Knock Engine	SO <sub>2</sub>		
AE349	On-line Knock Engine	SO <sub>2</sub>		
AE388	On-line Knock Engine	SO <sub>2</sub>		
AE389	On-line Knock Engine	SO <sub>2</sub>		
AE700	Octane Testing Engine	SO <sub>2</sub>		
AE768	Octane Testing Engine	SO <sub>2</sub>		
FLARECCU	CCU Flare	SO <sub>2</sub>		
FLARECOKE	Coker Flare	SO <sub>2</sub>		
FLAREEP	East Property Flare	SO <sub>2</sub>		
FLAREGIRB	EP (Girbitol) Flare	SO <sub>2</sub>		
FLARELHT	LHT Flare	SO <sub>2</sub>		
FLARENP	North Property Flare	SO <sub>2</sub>		
FLARESOUTH	South Property Flare	SO <sub>2</sub>		
FLAREWP	West Property Flare	SO <sub>2</sub>		
H1000	PLAT2 Heater	SO <sub>2</sub>		
H1001	Guard Bed Start-up Heater	SO <sub>2</sub>		
H1010	HDU-1 Charge Heater	SO <sub>2</sub>		
H1011	HDU-1 Reboiler Heater	SO <sub>2</sub>		
H1100	DHT Heater	SO <sub>2</sub>		
H1170	CFH Charge Heater	SO <sub>2</sub>		
H31001/2	Coker Heaters No. 1 and 2	SO <sub>2</sub>		
H31003	Coker Heater No. 3	SO <sub>2</sub>		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
H3300	DHT H <sub>2</sub> Heater	SO <sub>2</sub>		
H36100	CGHT Heater	SO <sub>2</sub>		
H5100	DU-2 South Crude Heater	SO <sub>2</sub>		
H5101	DU-2 North Crude Heater	SO <sub>2</sub>		
H5102	DU-2 South Flasher Charge Heater	SO <sub>2</sub>		
H5103	DU-2 North Flasher Charge Heater	SO <sub>2</sub>		
H5104	DU-2 Preflash Heater	SO <sub>2</sub>		
H5105	DU-2 Preflash2 Heater	SO <sub>2</sub>		
H5200	HDU-2 Charge Heater	SO <sub>2</sub>		
H53NN	Catalytic Reformer SCR	SO <sub>2</sub>		
H5400	SHCU South Charge Heater	SO <sub>2</sub>		
H5402	SHCU Reboiler Heater	SO <sub>2</sub>		
H5403	SHCU North Charge Heater	SO <sub>2</sub>		
H5404	SHCU Post-Frac Heater	SO <sub>2</sub>		
H5500A	SMR Heater A	SO <sub>2</sub>		
H5500B	SMR Heater B	SO <sub>2</sub>		
H5500C	SMR Heater C	SO <sub>2</sub>		
H5600	SGP Heat Medium Heater	SO <sub>2</sub>		
H600	FCCU CO Boiler	SO <sub>2</sub>		
H613	DU-1 Secondary Pre-Heater	SO <sub>2</sub>		
H63000	HVI Column Charge Heater	SO <sub>2</sub>		
H70001/2	GOHT Recycle Gas and Frac.Reboiler Heaters	SO <sub>2</sub>		
H850S1	PERC Heater - North Stack	SO <sub>2</sub>		
H850S2	PERC Heater - South Stack	SO <sub>2</sub>		
H9150R1	Heater	SO <sub>2</sub>		
SR3/4STACK	SR-3/4 Incinerator	SO <sub>2</sub>		
SR5STACK	SR5 Tail Gas Incinerator	SO <sub>2</sub>		
SR6STACK	SR6 Tail Gas Incinerator	SO <sub>2</sub>		
SR7STACK	SR7 Tail Gas Incinerator	SO <sub>2</sub>		
SR8STACK	SR8 Tail Gas Incinerator	SO <sub>2</sub>		
	<b>FINAL EMISSIONS CAP</b>	SO <sub>2</sub>	2644.20	5476.46
A1006	H <sub>2</sub> S 4 Point Analyzer	VOC		
A102	Analyzer	VOC		
A1284	Analyzer	VOC		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
A1745	SR3/4 SO <sub>2</sub> CEMS Analyzer	VOC		
A1760	Analyzer	VOC		
A213	CR3 Recycle Gas SG Analyzer	VOC		
A214	CR3 Recycle Gas Moisture Analyzer	VOC		
A298	CR3 Regen Gas O <sub>2</sub> Analyzer	VOC		
A300	CR3 Regen Gas Comb. Analyzer	VOC		
A329	CR3 Reactor Inlet O <sub>2</sub> Analyzer	VOC		
A553	Plat2 Rec. Gas Moisture Analyzer	VOC		
A554	Plat2 Rec. Gas Gravity Analyzer	VOC		
A10823	CCU CO Analyzer	VOC		
A10824	CO Analyzer	VOC		
A10825	O <sub>2</sub> Analyzer	VOC		
A1301	PSA Product H <sub>2</sub> Analyzer	VOC		
A1905/6	A 1905/6 Analyzer	VOC		
A89128	Tank SS307 Blanket O <sub>2</sub> Analyzer	VOC		
A842	Tank SS314 Blanket O <sub>2</sub> Analyzer	VOC		
A10502	CCU SNCR NO <sub>x</sub> /SO <sub>2</sub> /O <sub>2</sub> Analyzer	VOC		
A162	H5301 O <sub>2</sub> Analyzer	VOC		
A180	H5302 O <sub>2</sub> Analyzer	VOC		
A236	H5305 O <sub>2</sub> Analyzer	VOC		
A34160	CR-3 Furnaces CEMS Analyzer	VOC		
A785	H5303 O <sub>2</sub> Analyzer	VOC		
A786	H5304 O <sub>2</sub> Analyzer	VOC		
AE2340	Octane Testing Engine	VOC		
AE2636	Octane Testing Engine	VOC		
AE2650	Octane Testing Engine	VOC		
AE348	On-line Knock Engine	VOC		
AE349	On-line Knock Engine	VOC		
AE388	On-line Knock Engine	VOC		
AE389	On-line Knock Engine	VOC		
AE700	Octane Testing Engine	VOC		
AE768	Octane Testing Engine	VOC		
AP1	AP1 Storage Tank	VOC		
AP16	AP16 Storage Tank	VOC		
AP17	AP17 Storage Tank	VOC		
AP2	AP2 Storage Tank	VOC		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
AP4	AP4 Storage Tank	VOC		
AP5	AP5 Storage Tank	VOC		
AP6	AP6 Storage Tank	VOC		
AP7	AP7 Storage Tank	VOC		
AP8	AP8 Storage Tank	VOC		
AYARDOWS	WW - Sewer A Yard Oily Water	VOC		
BARGE	Marine Loading - Barge Docks	VOC		
BENZENE1	Marine Loading - Benzene Dock 1	VOC		
BENZENE2	Marine Loading - Benzene Dock 2	VOC		
BENZENE4	Marine Loading - Benzene Dock 4	VOC		
BYARDOWS	WW - Sewer B Yard Oily Water	VOC		
C9150/51	C9150/51 Vent	VOC		
C9152/53	C9152/53 Vent	VOC		
CCLP	WW - Cat Cracker Lube Plant	VOC		
CPI1	WW- CPI Oil Water Separator	VOC		
CPI2	WW- CPI Oil Water Separator	VOC		
CRUDE	Marine Loading - Crude Docks	VOC		
CWT10	Cooling Tower No. 10 (4)	VOC		
CWT11	Cooling Tower No. 11 (4)	VOC		
CWT12	Cooling Tower No. 12 (4)	VOC		
CWT14	Cooling Tower No. 14 (4)	VOC		
CWT15	Cooling Tower No. 15 (4)	VOC		
CWT16/16A	Cooling Tower No. 16/16A (4)	VOC		
CWT17	Cooling Tower No. 17 (4)	VOC		
CWT6	Cooling Tower No. 6 (4)	VOC		
CWT7	Cooling Tower No. 7 (4)	VOC		
CWT8	Cooling Tower No. 8 (4)	VOC		
CWT9	Cooling Tower No. 9 (4)	VOC		
CYARDOWS	Wastewater Fugitives (4)	VOC		
D363	FTXNK2/ANTIICANT StorageTank	VOC		
DAOWS	WW - Sewer DA Oily Water	VOC		
DD2	WW - Dispatching Distilling 2	VOC		
DOCK1	Marine Loading - Dock 1	VOC		
DOCK2	Marine Loading - Dock 2	VOC		
DOCK4	Marine Loading - Dock 4	VOC		
DOCKS	Dock Wastewater Collection	VOC		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
DW103	DW103 Storage Tank	VOC		
DW104	DW104 Storage Tank	VOC		
DYARDOWS	WW - Sewer D Yard Oily Water	VOC		
F314	F314 Storage Tank	VOC		
F315	F315 Storage Tank	VOC		
F316	F316 Storage Tank	VOC		
F317	F317 Storage Tank	VOC		
F325	F325 Storage Tank	VOC		
F326	F326 Storage Tank	VOC		
F338	F338 Storage Tank	VOC		
F364	F364 Storage Tank	VOC		
F365	F365 Storage Tank	VOC		
F366	F366 Storage Tank	VOC		
F367	F367 Storage Tank	VOC		
FLARECCU	CCU Flare	VOC		
FLARECOKE	Coker Flare	VOC		
FLAREEP	East Property Flare	VOC		
FLAREGIRB	EP (Girbitol) Flare	VOC		
FLARELHT	LHT Flare	VOC		
FLARENP	North Property Flare	VOC		
FLARESOUTH	South Property Flare	VOC		
FLAREWP	West Property Flare	VOC		
FP182	FP182 Storage Tank	VOC		
FP190	FP190 Storage Tank	VOC		
FP194	FP194 Storage Tank	VOC		
FP195	FP195 Storage Tank	VOC		
FP200	FP200 Storage Tank	VOC		
FUGALKY	Alky Fugitives (4)	VOC		
FUGAYARD	Fugitives (4)	VOC		
FUGCCU	FCCU Fugitives (4)	VOC		
FUGCFH	CFH Fugitives (4)	VOC		
FUGCGHT	CGHT Fugitives (4)	VOC		
FUGCOKER	Coke Handling Fugitives (4)	VOC		
FUGCPU	CPU Fugitives (4)	VOC		
FUGCR3	CR3 Fugitives (4)	VOC		
FUGCR3TF	Hydroprocessing Tank Farm Fugitives (4)	VOC		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
FUGDHT	DHT Fugitives (4)	VOC		
FUGDISP	DISP Fugitive	VOC		
FUGDOCK	Dock Fugitives (4)	VOC		
FUGDU1	DU1 Fugitives (4)	VOC		
FUGDU2	DU2 Fugitives (4)	VOC		
FUGDU2B	DU3 Fugitives (4)	VOC		
FUGENVN	Environmental North Fugitives (4)	VOC		
FUGGASTR	GASTR Fugitives (4)	VOC		
FUGGFRAC	GFRAC Fugitives (4)	VOC		
FUGGIRBIT	Girbitol Fugitives (4)	VOC		
FUGGOHT	GOHT Fugitives (4)	VOC		
FUGGR	GR Fugitives (4)	VOC		
FUGGR200	GR200 Fugitives (4)	VOC		
FUGHDU1	HDU1 Fugitives (4)	VOC		
FUGHP1	HP1 Fugitives (4)	VOC		
FUGLHT2	LHT2 Fugitives (4)	VOC		
FUGMTBE	MTBE Fugitives (4)	VOC		
FUGPLAT2	PLAT2 Fugitives (4)	VOC		
FUGPOSTFRAC	POSTFRAC Fugitives (4)	VOC		
FUGPSA	PSA Fugitives (4)	VOC		
FUGSGP	SGP Fugitives (4)	VOC		
FUGSHCU	SHCU Fugitives (4)	VOC		
FUGSR3/4	SR3/4 Fugitives (4)	VOC		
FUGSR5	SR5 Fugitives (4)	VOC		
FUGSR6	SR6 Fugitives (4)	VOC		
FUGSR7	SR7 Fugitives (4)	VOC		
FUGSR8	SR8 Fugitives (4)	VOC		
FUGTHCR	Thermal Cracking Fugitives (4)	VOC		
FUGWBT	West Blend Tank Fugitives (4)	VOC		
G308	G308 Storage Tank	VOC		
G309	G309 Storage Tank	VOC		
G310	G310 Storage Tank	VOC		
G311	G311 Storage Tank	VOC		
G313	G313 Storage Tank	VOC		
G314	G314 Storage Tank	VOC		
G315	G315 Storage Tank	VOC		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
G316	G316 Storage Tank	VOC		
G317	G317 Storage Tank	VOC		
G319	G319 Storage Tank	VOC		
G320	G320 Storage Tank	VOC		
G322	G322 Storage Tank	VOC		
G323	G323 Storage Tank	VOC		
G326	G326 Storage Tank	VOC		
G327	G327 Storage Tank	VOC		
G328	G328 Storage Tank	VOC		
G329	G329 Storage Tank	VOC		
G332	G332 Storage Tank	VOC		
G342	G342 Storage Tank	VOC		
G345	G345 Storage Tank	VOC		
G346	G346 Storage Tank	VOC		
G347	G347 Storage Tank	VOC		
G348	G348 Storage Tank	VOC		
G352	G352 Storage Tank	VOC		
G354	G354 Storage Tank	VOC		
G355	G355 Storage Tank	VOC		
G356	G356 Storage Tank	VOC		
G357	G357 Storage Tank	VOC		
G358	G358 Storage Tank	VOC		
G360	G360 Storage Tank	VOC		
G361	G361 Storage Tank	VOC		
GIRBOTWW	WW Collection in Girbitol	VOC		
H1000	PLAT2 Heater	VOC		
H1001	Guard Bed Start-up Heater	VOC		
H1010	HDU-1 Charge Heater	VOC		
H1011	HDU-1 Reboiler Heater	VOC		
H1100	DHT Heater	VOC		
H1170	CFH Charge Heater	VOC		
H31001/2	Coker Heaters No. 1 and 2	VOC		
H31003	Coker Heater No. 3	VOC		
H3300	DHT H <sub>2</sub> Heater	VOC		
H36100	CGHT Heater	VOC		
H5100	DU-2 South Crude Heater	VOC		



## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
H5101	DU-2 North Crude Heater	VOC		
H5102	DU-2 South Flasher Charge Heater	VOC		
H5103	DU-2 North Flasher Charge Heater	VOC		
H5104	DU-2 Preflash Heater	VOC		
H5105	DU-2 Preflash2 Heater	VOC		
H5200	HDU-2 Charge Heater	VOC		
H53NN	Catalytic Reformer SCR	VOC		
H5400	SHCU South Charge Heater	VOC		
H5402	SHCU Reboiler Heater	VOC		
H5403	SHCU North Charge Heater	VOC		
H5404	SHCU Post-Frac Heater	VOC		
H5500A	SMR Heater A	VOC		
H5500B	SMR Heater B	VOC		
H5500C	SMR Heater C	VOC		
H5600	SGP Heat Medium Heater	VOC		
H600	FCCU CO Boiler	VOC		
H613	DU-1 Secondary Pre-Heater	VOC		
H63000	HVI Column Charge Heater	VOC		
H70001/2	GOHT Recycle Gas and Frac. Reboiler Heaters	VOC		
H850S1	PERC Heater - North Stack	VOC		
H850S2	PERC Heater - South Stack	VOC		
H9150R1	Heater	VOC		
HVIOWS	WW - Sewer HVI Oily Water	VOC		
J301B	J301B Storage Tank	VOC		
J302B	J302B Storage Tank	VOC		
J303B	J303B Storage Tank	VOC		
J304	J304 Storage Tank	VOC		
J305B	J305B Storage Tank	VOC		
J306	J306 Storage Tank	VOC		
J308	J308 Storage Tank	VOC		
J309	J309 Storage Tank	VOC		
J311	J311 Storage Tank	VOC		
J312	J312 Storage Tank	VOC		
J315	J315 Storage Tank	VOC		
J316	J316 Storage Tank	VOC		
J317	J317 Storage Tank	VOC		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
J318B	J318B Storage Tank	VOC		
J320	J320 Storage Tank	VOC		
J322	J322 Storage Tank	VOC		
J323	J323 Storage Tank	VOC		
J324	J324 Storage Tank	VOC		
J325	J325 Storage Tank	VOC		
J326	J326 Storage Tank	VOC		
J327	J327 Storage Tank	VOC		
J328	J328 Storage Tank	VOC		
J329	J329 Storage Tank	VOC		
J330	J330 Storage Tank	VOC		
J331	J331 Storage Tank	VOC		
J332	J332 Storage Tank	VOC		
J336	J336 Storage Tank	VOC		
J337	J337 Storage Tank	VOC		
J338	J338 Storage Tank	VOC		
J340	J340 Storage Tank	VOC		
J348	J348 Storage Tank	VOC		
J349	J349 Storage Tank	VOC		
K301	K301 Storage Tank	VOC		
K302	K302 Storage Tank	VOC		
K303	K303 Storage Tank	VOC		
K304	K304 Storage Tank	VOC		
K306	K306 Storage Tank	VOC		
K310	K310 Storage Tank	VOC		
K311	K311 Storage Tank	VOC		
L2COMPVT	L2COMPVT Vent	VOC		
LEUOWS	WW - Sewer LEU Oily Water	VOC		
LHT1OWS	WW - Sewer LHT1 Oily Water	VOC		
LHT2OWS	WW - Sewer LHT2 Oily Water	VOC		
LOADOWS	WW - Sewer Loading Racks	VOC		
M301	Marine Fuel Oil Storage Tank	VOC		
M302	Marine Diesel Storage Tank	VOC		
MANHOLE4	WW - Manhole 4	VOC		
MVIDEASS	WW - Sewer DEA	VOC		
MVIOWS	WW - Sewer MVI Oily Water	VOC		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
N92252	X4HDU1 Storage Tank	VOC		
NAB	North Aeration Basin	VOC		
NDAF	WW - North DAF Unit	VOC		
NONE2	FXTNK2/Amine Neutralizer Storage Tank	VOC		
NONE3	FXTNK2/Filmer Storage Tank	VOC		
OWATCTF	WW - Alky Tank Farm Oily Water	VOC		
OWDU1	WW - Sewer Oily Water HUB	VOC		
OWFLEX	Wastewater Collection System	VOC		
PAINTFE	Miscellaneous Painting Fugitives	VOC		
RKLBLEND	Load	VOC		
RKLDIALA	Load	VOC		
RKLTC	Load	VOC		
RKLTC/TT	Load	VOC		
RKLTCTTU	Load	VOC		
S302	S302 Storage Tank	VOC		
S305	S305 Storage Tank	VOC		
S306	S306 Storage Tank	VOC		
S307	S307 Storage Tank	VOC		
S310	S310 Storage Tank	VOC		
S312	S312 Storage Tank	VOC		
S313	S313 Storage Tank	VOC		
S318	S318 Storage Tank	VOC		
S325	S325 Storage Tank	VOC		
S326	S326 Storage Tank	VOC		
S339	S339 Storage Tank	VOC		
S348	S348 Storage Tank	VOC		
S359	S359 Storage Tank	VOC		
S360	S360 Storage Tank	VOC		
S395	S395 Storage Tank	VOC		
S401	S401 Storage Tank	VOC		
S402	S402 Storage Tank	VOC		
S412	S412 Storage Tank	VOC		
S429	S429 Storage Tank	VOC		
S430	S430 Storage Tank	VOC		
SAB	South Aeration Basin	VOC		
SDAF	WW - South DAF Unit	VOC		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
SR3/4PIT	SR3/4 Sulfur Pit	VOC		
SR3/4STACK	SR3/4 Incinerator	VOC		
SR3/4WW	SR3/4 Wastewater Collection	VOC		
SR5L01	SR5 Loading rack	VOC		
SR5L02	SR5 Loading rack	VOC		
SR5STACK	SR5 Tail Gas Incinerator	VOC		
SR6STACK	SR6 Tail Gas Incinerator	VOC		
SR7STACK	SR7 Tail Gas Incinerator	VOC		
SR8STACK	SR8 Tail Gas Incinerator	VOC		
SRTT	SR3/4 Loading Rack	VOC		
SS306	SS306 Storage Tank	VOC		
SS307	SS307 Storage Tank	VOC		
SS308	SS308 Storage Tank	VOC		
SS312	SS312 Storage Tank	VOC		
SS314	SS314 Storage Tank	VOC		
SS316	SS316 Storage Tank	VOC		
SS324	SS324 Storage Tank	VOC		
SS325	SS325 Storage Tank	VOC		
SS335	SS335 Storage Tank	VOC		
SS339	SS339 Storage Tank	VOC		
SS341	SS341 Storage Tank	VOC		
SS343	SS343 Storage Tank	VOC		
SS344	SS344 Storage Tank	VOC		
SS348	SS348 Storage Tank	VOC		
SS364	SS364 Storage Tank	VOC		
SS375	SS375 Storage Tank	VOC		
SS376	SS376 Storage Tank	VOC		
SS377	SS377 Storage Tank	VOC		
SS378	SS378 Storage Tank	VOC		
SS379	SS379 Storage Tank	VOC		
SS388	SS388 Storage Tank	VOC		
SS396	SS396 Storage Tank	VOC		
SS403	SS403 Storage Tank	VOC		
SS425	SS425 Storage Tank	VOC		
ST1400	X2HDU1 Storage Tank	VOC		
SULFUR	SR5 Sulfur Pit	VOC		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
T1211	T1211 Storage Tank	VOC		
T1212	T1212 Storage Tank	VOC		
T1710	T1710 Storage Tank	VOC		
T1F323	T1F323 Storage Tank	VOC		
T1F324	T1F324 Storage Tank	VOC		
T1F329	T1F329 Storage Tank	VOC		
T1F330	T1F330 Storage Tank	VOC		
T1F348	T1F348 Storage Tank	VOC		
T301	T301 Storage Tank	VOC		
T302	T302 EXTFLT Refinery WW Storage Tank	VOC		
T315	T315 Storage Tank	VOC		
T316	Methanol Storage Tank	VOC		
T59	T59 FXTNK2/SOAP Storage Tank	VOC		
T93002	T93002 DEA Storage Tank	VOC		
T93402	T93402 MDEA Storage Tank	VOC		
TA301	TA301 Storage Tank	VOC		
TA305	TA305 Storage Tank	VOC		
TA306	TA306 Storage Tank	VOC		
TA307	TA307 Storage Tank	VOC		
TA308	TA308 Storage Tank	VOC		
TA309	TA309 Storage Tank	VOC		
TA310	TA310 Storage Tank	VOC		
TA312	TA312 Storage Tank	VOC		
TA313	TA313 Storage Tank	VOC		
TA315	TA315 Storage Tank	VOC		
TA316	TA316 Storage Tank	VOC		
TA317	TA317 Storage Tank	VOC		
TA318	TA318 Storage Tank	VOC		
TA319	TA319 Storage Tank	VOC		
TA320	TA320 Storage Tank	VOC		
TA321	TA321 Storage Tank	VOC		
TA322	TA322 Storage Tank	VOC		
TA324	TA324 Storage Tank	VOC		
TA325	TA325 Storage Tank	VOC		
TA326	TA326 Storage Tank	VOC		
TA329	TA329 Storage Tank	VOC		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
TA330	TA330 Storage Tank	VOC		
TA331	TA331 Storage Tank	VOC		
TA332	TA332 Storage Tank	VOC		
TA334	TA334 Storage Tank	VOC		
TC and G	WW - Thermal Cracking and Gas Treating	VOC		
TCACIDLOAD	Acid Tank Car Loading	VOC		
TG324	TG324 Storage Tank	VOC		
TG362	TG362 Storage Tank	VOC		
TJ333	TJ333 Storage Tank	VOC		
TJ334	TJ334 Storage Tank	VOC		
TJ335	TJ335 Storage Tank	VOC		
TJ339R1	TJ339R1 Storage Tank	VOC		
TK305	TK305 Storage Tank	VOC		
TRKLFIL	WW - Trickle Filter	VOC		
TRKLSMP	WW - Trickle Sump	VOC		
U301	U301 Storage Tank	VOC		
U302	U302 Storage Tank	VOC		
V1111	V1111 Storage Tank	VOC		
V54	Vessel/Regen Gas KO Pot	VOC		
V5518	Hydrogen Plant Vent	VOC		
V5527	Column in HP1	VOC		
V9160	Vent V9160	VOC		
VA03	VA03 Storage Tank	VOC		
VA04	VA04 Storage Tank	VOC		
WAXPTOWS	WW - Sewer Wax Plant Oily Water	VOC		
WAXPTWAX	WW - Sewer Wax Plant Wax	VOC		
WX285	WX285 Storage Tank	VOC		
X2HDU1	FXTNK2/X2HDU1 Storage Tank	VOC		
X311	INTFLT/Amine Solutions Storage Tank	VOC		
X312	INTFLT/Amine Solutions Storage Tank	VOC		
X313	INTFLT/Slop Oil Storage Tank	VOC		
X315	Ballast Water Storage Tank	VOC		
X316	WW - DAF Float	VOC		
X320	Ballast Water O/S Storage Tank	VOC		
X321	Slop Oil Storage Tank	VOC		
X322	X322 Storage Tank	VOC		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
X323	X323 Storage Tank	VOC		
X324	FXTNK2/Misc Organic Storage Tank	VOC		
X325	FXTNK2/Misc Organic Storage Tank	VOC		
X326	FXTNK2/DAF Float Storage Tank	VOC		
X327	FXTNK2/DAF Float Storage Tank	VOC		
X328	FXTNK2/Misc Organic Storage Tank	VOC		
X330	WW - Equalization Tank	VOC		
X330SM	WW - Sump	VOC		
<b>FINAL EMISSIONS CAP</b>		VOC	1895.68	2914.90

**Planned Maintenance, Startup, and Shutdown (MSS) Emission Rate Limits**

CRUDES	Shutdown of DU-2, VF-3, VF-4, HDU-2	Benzene
COKERS	Shutdown of Cokers, GOHT	Benzene
SGPS	Shutdown of SGP	Benzene
SULFURS	Shutdown of Sulfur Block	Benzene
SHCUS	Shutdown of SHCU	Benzene
HP1SDSU	Shutdown/Startup of HP-1	Benzene
DPREFSDSU	Shutdown/Startup of Other Units	Benzene
FLNFLARE	North Property Flare	Benzene
COKE FLARE	Coker Flare	Benzene
WP FLARE	West Property Flare	Benzene
EP FLARE	East Property Flare	Benzene
TA324	MAYA Crude	Benzene
TA325	DU1 Crude	Benzene
TA326	DU1 Crude	Benzene
F364	MTBE, 100%	Benzene
TG362	MAYA Crude	Benzene
TA329	MAYA Crude	Benzene
TA330	MAYA Crude	Benzene
TA331	MAYA Crude	Benzene

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	AIR CONTAMINANTS DATA	
			Emission Rates * lb/hr	TPY**
TA332	MAYA Crude	Benzene		
TA334	MAYA Crude	Benzene		
G313	Gasoline (RU2000)	Benzene		
G315	Gasoline (RU2000)	Benzene		
G323	Gasoline (RU2000)	Benzene		
G326	Gasoline (RU2000)	Benzene		
G327	Gasoline (RU2000)	Benzene		
FUGABRBLST	Abrasive Blasting: Sitewide	Benzene		
AEROSDISP	Aerosol Can Crushing and Disposal	Benzene		
AEROSAPPL	Aerosol Can Application: Paint and Solvents	Benzene		
DEGREAS01	Chemical Cleaning - Degreaser Units	Benzene		
FUGSMPDPR	Process Sampling	Benzene		
FUGMSSDPR	Fugitive Components Associated with Maintenance	Benzene		
FUGVACDPR	Vacuum Truck Loading & Unloading	Benzene		
PAINTFE	Painting Emissions Sitewide	Benzene		
MSSDECNDPR	Combustion Device Decoking	Benzene		
TNKVENT	Pump and Minor Process Decontamination	Benzene		
	Forced Ventilation of Tank w/Residual	Benzene		
	<b>MSS-CAP</b>	Benzene	19.80	0.78
CRUDES	Shutdown of DU-2, VF-3, VF-4, HDU-2	CO		
COKERS	Shutdown of Cokers, GOHT	CO		
SGPS	Shutdown of SGP	CO		
SULFURS	Shutdown of Sulfur Block	CO		
SHCUS	Shutdown of SHCU	CO		
HP1SDSU	Shutdown/Startup of HP-1	CO		
DPREFSDSU	Shutdown/Startup of Other Units	CO		
FLNFLARE	North Property Flare	CO		
COKE FLARE	Coker Flare	CO		
WP FLARE	West Property Flare	CO		



## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	AIR CONTAMINANTS DATA	
			Emission Rates * lb/hr	TPY**
EP FLARE	East Property Flare	CO		
TA324	MAYA Crude	CO		
TA325	DU1 Crude	CO		
TA326	DU1 Crude	CO		
F364	MTBE, 100%	CO		
TG362	MAYA Crude	CO		
TA329	MAYA Crude	CO		
TA330	MAYA Crude	CO		
TA331	MAYA Crude	CO		
TA332	MAYA Crude	CO		
TA334	MAYA Crude	CO		
G313	Gasoline (RU2000)	CO		
G315	Gasoline (RU2000)	CO		
G323	Gasoline (RU2000)	CO		
G326	Gasoline (RU2000)	CO		
G327	Gasoline (RU2000)	CO		
FUGABRBLST	Abrasive Blasting: Sitewide	CO		
AEROSDISP	Aerosol Can Crushing and Disposal	CO		
AEROSAPPL	Aerosol Can Application: Paint and Solvents	CO		
DEGREAS01	Chemical Cleaning - Degreaser Units	CO		
FUGSMPDPR	Process Sampling	CO		
FUGMSSDPR	Fugitive Components Associated with Maintenance	CO		
FUGVACDPR	Vacuum Truck Loading & Unloading	CO		
PAINTFE	Painting Emissions Sitewide	CO		
	Combustion Device Decoking	CO		
MSSDECNDPR	Pump and Minor Process Decontamination	CO		
TNKVENT	Forced Ventilation of Tank w/Residual	CO		
	<b>MSS-CAP</b>	CO	199.70	11.46
CRUDES	Shutdown of DU-2, VF-3, VF-4, HDU-2	H <sub>2</sub> S		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
COKERSD	Shutdown of Cokers, GOHT	H <sub>2</sub> S		
SGPSD	Shutdown of SGP	H <sub>2</sub> S		
SULFURSD	Shutdown of Sulfur Block	H <sub>2</sub> S		
SHCUSD	Shutdown of SHCU	H <sub>2</sub> S		
HP1SDSU	Shutdown/Startup of HP-1	H <sub>2</sub> S		
DPREFSDSU	Shutdown/Startup of Other Units	H <sub>2</sub> S		
FLNFLARE	North Property Flare	H <sub>2</sub> S		
COKE FLARE	Coker Flare	H <sub>2</sub> S		
WP FLARE	West Property Flare	H <sub>2</sub> S		
EP FLARE	East Property Flare	H <sub>2</sub> S		
TA324	MAYA Crude	H <sub>2</sub> S		
TA325	DU1 Crude	H <sub>2</sub> S		
TA326	DU1 Crude	H <sub>2</sub> S		
F364	MTBE, 100%	H <sub>2</sub> S		
TG362	MAYA Crude	H <sub>2</sub> S		
TA329	MAYA Crude	H <sub>2</sub> S		
TA330	MAYA Crude	H <sub>2</sub> S		
TA331	MAYA Crude	H <sub>2</sub> S		
TA332	MAYA Crude	H <sub>2</sub> S		
TA334	MAYA Crude	H <sub>2</sub> S		
G313	Gasoline (RU2000)	H <sub>2</sub> S		
G315	Gasoline (RU2000)	H <sub>2</sub> S		
G323	Gasoline (RU2000)	H <sub>2</sub> S		
G326	Gasoline (RU2000)	H <sub>2</sub> S		
G327	Gasoline (RU2000)	H <sub>2</sub> S		
FUGABRBLST	Abrasive Blasting: Sitewide	H <sub>2</sub> S		
AEROSDISP	Aerosol Can Crushing and Disposal	H <sub>2</sub> S		
AEROSAPPL	Aerosol Can Application: Paint and Solvents	H <sub>2</sub> S		
DEGREAS01	Chemical Cleaning - Degreaser Units	H <sub>2</sub> S		
FUGSMPDPR	Process Sampling	H <sub>2</sub> S		
FUGMSSDPR	Fugitive Components Associated with Maintenance	H <sub>2</sub> S		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
FUGVACDPR	Vacuum Truck Loading & Unloading	H <sub>2</sub> S		
PAINTFE	Painting Emissions Sitewide	H <sub>2</sub> S		
	Combustion Device Decoking	H <sub>2</sub> S		
MSSDECNDPR	Pump and Minor Process Decontamination	H <sub>2</sub> S		
TNKVENT	Forced Ventilation of Tank w/Residual	H <sub>2</sub> S		
	<b>MSS-CAP</b>	H <sub>2</sub> S	59.86	2.43
CRUDES	Shutdown of DU-2, VF-3, VF-4, HDU-2	NO <sub>x</sub>		
COKERS	Shutdown of Cokers, GOHT	NO <sub>x</sub>		
SGPS	Shutdown of SGP	NO <sub>x</sub>		
SULFURS	Shutdown of Sulfur Block	NO <sub>x</sub>		
SHCUS	Shutdown of SHCU	NO <sub>x</sub>		
HP1SDSU	Shutdown/Startup of HP-1	NO <sub>x</sub>		
DPREFSDSU	Shutdown/Startup of Other Units	NO <sub>x</sub>		
FLNFLARE	North Property Flare	NO <sub>x</sub>		
COKE FLARE	Coker Flare	NO <sub>x</sub>		
WP FLARE	West Property Flare	NO <sub>x</sub>		
EP FLARE	East Property Flare	NO <sub>x</sub>		
TA324	MAYA Crude	NO <sub>x</sub>		
TA325	DU1 Crude	NO <sub>x</sub>		
TA326	DU1 Crude	NO <sub>x</sub>		
F364	MTBE, 100%	NO <sub>x</sub>		
TG362	MAYA Crude	NO <sub>x</sub>		
TA329	MAYA Crude	NO <sub>x</sub>		
TA330	MAYA Crude	NO <sub>x</sub>		
TA331	MAYA Crude	NO <sub>x</sub>		
TA332	MAYA Crude	NO <sub>x</sub>		
TA334	MAYA Crude	NO <sub>x</sub>		
G313	Gasoline (RU2000)	NO <sub>x</sub>		
G315	Gasoline (RU2000)	NO <sub>x</sub>		
G323	Gasoline (RU2000)	NO <sub>x</sub>		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	AIR CONTAMINANTS DATA	
			Emission Rates * lb/hr	TPY**
G326	Gasoline (RU2000)	NO <sub>x</sub>		
G327	Gasoline (RU2000)	NO <sub>x</sub>		
FUGABRBLST	Abrasive Blasting: Sitewide	NO <sub>x</sub>		
AEROSDISP	Aerosol Can Crushing and Disposal	NO <sub>x</sub>		
AEROSAPPL	Aerosol Can Application: Paint and Solvents	NO <sub>x</sub>		
DEGREAS01	Chemical Cleaning - Degreaser Units	NO <sub>x</sub>		
FUGSMPDPR	Process Sampling	NO <sub>x</sub>		
FUGMSSDPR	Fugitive Components Associated with Maintenance	NO <sub>x</sub>		
FUGVACDPR	Vacuum Truck Loading & Unloading	NO <sub>x</sub>		
PAINTFE	Painting Emissions Sitewide	NO <sub>x</sub>		
MSSDECNDPR	Combustion Device Decoking	NO <sub>x</sub>		
TNKVENT	Pump and Minor Process Decontamination	NO <sub>x</sub>		
	Forced Ventilation of Tank w/Residual	NO <sub>x</sub>		
	<b>MSS-CAP</b>	NO <sub>x</sub>	14.77	0.70
CRUDES	Shutdown of DU-2, VF-3, VF-4, HDU-2	PM		
COKERS	Shutdown of Cokers, GOHT	PM		
SGPS	Shutdown of SGP	PM		
SULFURS	Shutdown of Sulfur Block	PM		
SHCUS	Shutdown of SHCU	PM		
HP1SDSU	Shutdown/Startup of HP-1	PM		
DPREFSDSU	Shutdown/Startup of Other Units	PM		
FLNFLARE	North Property Flare	PM		
COKE FLARE	Coker Flare	PM		
WP FLARE	West Property Flare	PM		
EP FLARE	East Property Flare	PM		
TA324	MAYA Crude	PM		
TA325	DU1 Crude	PM		
TA326	DU1 Crude	PM		
F364	MTBE, 100%	PM		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
TG362	MAYA Crude	PM		
TA329	MAYA Crude	PM		
TA330	MAYA Crude	PM		
TA331	MAYA Crude	PM		
TA332	MAYA Crude	PM		
TA334	MAYA Crude	PM		
G313	Gasoline (RU2000)	PM		
G315	Gasoline (RU2000)	PM		
G323	Gasoline (RU2000)	PM		
G326	Gasoline (RU2000)	PM		
G327	Gasoline (RU2000)	PM		
FUGABRBLST	Abrasive Blasting: Sitewide	PM		
AEROSDISP	Aerosol Can Crushing and Disposal	PM		
AEROSAPPL	Aerosol Can Application: Paint and Solvents	PM		
DEGREAS01	Chemical Cleaning - Degreaser Units	PM		
FUGSMPDPR	Process Sampling	PM		
FUGMSSDPR	Fugitive Components Associated with Maintenance	PM		
FUGVACDPR	Vacuum Truck Loading & Unloading	PM		
PAINTFE	Painting Emissions Sitewide	PM		
	Combustion Device Decoking	PM		
MSSDECNDPR	Pump and Minor Process Decontamination	PM		
TNKVENT	Forced Ventilation of Tank w/Residual	PM		
	<b>MSS-CAP</b>	PM	18.31	12.43
CRUDES	Shutdown of DU-2, VF-3, VF-4, HDU-2	SO <sub>2</sub>		
COKERSD	Shutdown of Cokers, GOHT	SO <sub>2</sub>		
SGPSD	Shutdown of SGP	SO <sub>2</sub>		
SULFURSD	Shutdown of Sulfur Block	SO <sub>2</sub>		
SHCUS	Shutdown of SHCU	SO <sub>2</sub>		
HP1SDSU	Shutdown/Startup of HP-1	SO <sub>2</sub>		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
DPREFSDSU	Shutdown/Startup of Other Units	SO <sub>2</sub>		
FLNFLARE	North Property Flare	SO <sub>2</sub>		
COKE FLARE	Coker Flare	SO <sub>2</sub>		
WP FLARE	West Property Flare	SO <sub>2</sub>		
EP FLARE	East Property Flare	SO <sub>2</sub>		
TA324	MAYA Crude	SO <sub>2</sub>		
TA325	DU1 Crude	SO <sub>2</sub>		
TA326	DU1 Crude	SO <sub>2</sub>		
F364	MTBE, 100%	SO <sub>2</sub>		
TG362	MAYA Crude	SO <sub>2</sub>		
TA329	MAYA Crude	SO <sub>2</sub>		
TA330	MAYA Crude	SO <sub>2</sub>		
TA331	MAYA Crude	SO <sub>2</sub>		
TA332	MAYA Crude	SO <sub>2</sub>		
TA334	MAYA Crude	SO <sub>2</sub>		
G313	Gasoline (RU2000)	SO <sub>2</sub>		
G315	Gasoline (RU2000)	SO <sub>2</sub>		
G323	Gasoline (RU2000)	SO <sub>2</sub>		
G326	Gasoline (RU2000)	SO <sub>2</sub>		
G327	Gasoline (RU2000)	SO <sub>2</sub>		
FUGABRBLST	Abrasive Blasting: Sitewide	SO <sub>2</sub>		
AEROSDISP	Aerosol Can Crushing and Disposal	SO <sub>2</sub>		
AEROSAPPL	Aerosol Can Application: Paint and Solvents	SO <sub>2</sub>		
DEGREAS01	Chemical Cleaning - Degreaser Units	SO <sub>2</sub>		
FUGSMPDPR	Process Sampling	SO <sub>2</sub>		
FUGMSSDPR	Fugitive Components Associated with Maintenance	SO <sub>2</sub>		
FUGVACDPR	Vacuum Truck Loading & Unloading	SO <sub>2</sub>		
PAINTFE	Painting Emissions Sitewide	SO <sub>2</sub>		
	Combustion Device Decoking	SO <sub>2</sub>		
MSSDECNDPR	Pump and Minor Process Decontamination	SO <sub>2</sub>		
TNKVENT	Forced Ventilation of Tank w/Residual	SO <sub>2</sub>		

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	AIR CONTAMINANTS DATA	
			Emission Rates * lb/hr	TPY**
	<b>MSS-CAP</b>	SO <sub>2</sub>	1560.81	46.29
CRUDES	Shutdown of DU-2, VF-3, VF-4, HDU-2	VOC		
COKERS	Shutdown of Cokers, GOHT	VOC		
SGPS	Shutdown of SGP	VOC		
SULFURS	Shutdown of Sulfur Block	VOC		
SHCUS	Shutdown of SHCU	VOC		
HP1SDSU	Shutdown/Startup of HP-1	VOC		
DPREFSDSU	Shutdown/Startup of Other Units	VOC		
FLNFLARE	North Property Flare	VOC		
COKE FLARE	Coker Flare	VOC		
WP FLARE	West Property Flare	VOC		
EP FLARE	East Property Flare	VOC		
TA324	MAYA Crude	VOC		
TA325	DU1 Crude	VOC		
TA326	DU1 Crude	VOC		
F364	MTBE, 100%	VOC		
TG362	MAYA Crude	VOC		
TA329	MAYA Crude	VOC		
TA330	MAYA Crude	VOC		
TA331	MAYA Crude	VOC		
TA332	MAYA Crude	VOC		
TA334	MAYA Crude	VOC		
G313	Gasoline (RU2000)	VOC		
G315	Gasoline (RU2000)	VOC		
G323	Gasoline (RU2000)	VOC		
G326	Gasoline (RU2000)	VOC		
G327	Gasoline (RU2000)	VOC		
FUGABRBLST	Abrasive Blasting: Sitewide	VOC		
AEROSDISP	Aerosol Can Crushing and Disposal	VOC		
AEROSAPPL	Aerosol Can Application: Paint and Solvents	VOC		

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
DEGREAS01	Chemical Cleaning - Degreaser Units	VOC		
FUGSMPDPR	Process Sampling	VOC		
FUGMSSDPR	Fugitive Components Associated with Maintenance	VOC		
FUGVACDPR	Vacuum Truck Loading & Unloading	VOC		
PAINTFE	Painting Emissions Sitewide	VOC		
	Combustion Device Decoking	VOC		
MSSDECNDPR	Pump and Minor Process Decontamination	VOC		
TNKVENT	Forced Ventilation of Tank w/Residual	VOC		
	<b>MSS-CAP</b>	VOC	2588.61	61.08

- (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 area name or fugitive source name.
- (3)
  - CO - carbon monoxide
  - H<sub>2</sub>S - hydrogen sulfide
  - NH<sub>3</sub> - ammonia
  - NO<sub>x</sub> - nitrogen oxides
  - PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>
  - PM<sub>10</sub> - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
  - SO<sub>2</sub> - sulfur dioxide
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day \_\_\_ Days/week \_\_\_ Weeks/year \_\_\_ or Hrs/year 8,760

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

Dated: August 18, 2010