

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO

Equistar Chemicals, LP

AUTHORIZING THE OPERATION OF

Industrial Organic Chemicals

LOCATED AT

Nueces County, Texas

Latitude 27° 48' 24" Longitude 97° 35' 29"

Regulated Entity Number: RN100221662

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: 01486 Issuance Date: July 14, 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 F, G, H, YY, ZZZZ, and DDDDD as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.110, § 113.120, § 113.130, § 113.560, § 113.1090, and § 113.1130 which incorporates the 40 CFR Part 63 Subpart by reference.
  - F. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 2 (Emissions Banking and Trading of Allowances) Requirements for an electric generating facility authorized under 30 TAC Chapter 116, Subchapter I:
    - (i) Title 30 TAC § 101.332 (relating to General Provisions)
    - (ii) Title 30 TAC § 101.333 (relating to Allocation of Allowances)
    - (iii) Title 30 TAC § 101.334 (relating to Allowance Deductions)
    - (iv) Title 30 TAC § 101.335 (relating to Allowance Banking and Trading)
    - (v) Title 30 TAC § 101.336 (relating to Emission Monitoring and Compliance Demonstration and Reporting)
    - (vi) The terms and conditions by which the emission limits are established to meet the quantity of allowances for the electric generating facility 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) are not subject to the following periodic monitoring requirements:

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

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
  - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.
  - (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.
- B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:
- (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
  - (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
  - (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

- (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.
- (2) Records of all observations shall be maintained.
- (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (4) Compliance Certification:
  - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)
  - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is

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

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

the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader

D. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

E. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height ( $h_e$ ) less than the standard effective stack height ( $H_e$ ), must reduce the allowable emission level by multiplying it by  $[h_e/H_e]^2$  as required in 30 TAC § 111.151(b)

- (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
    - (iv) Title 30 TAC § 111.205 (relating to Exception for Fire Training)
- 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(b)(1).
- 5. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:
  - A. When filling gasoline storage vessels with a nominal capacity greater than 1,000 gallons (Stage I) at motor vehicle fuel dispensing facilities, which have dispensed less than 125,000 gallons of gasoline in any calendar month after January 1, 1999, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:
    - (i) Title 30 TAC § 115.222(7) (relating to Control Requirements)
    - (ii) Title 30 TAC § 115.222(3), as it applies to liquid gasoline leaks
    - (iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks
    - (iv) Title 30 TAC § 115.226(2)(C) (relating to Recordkeeping Requirements)
- 6. 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)
7. 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)
8. For facilities where total annual benzene quantity from waste is greater than or equal to 10 megagrams per year and subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.342(c)(1)(i) - (iii) (relating to Standards: General)
  - B. Title 40 CFR § 61.342(c)(2) (relating to Standards: General)
  - C. For exempting waste streams:
    - (i) Title 40 CFR § 61.342(c)(3)(ii)(A) - (C) (relating to Standards: General)
  - D. Title 40 CFR § 61.342(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(j) (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)(2)(i) - (ii) (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)(3) (relating to Reporting Requirements)
  - P. Waste generated by remediation activities at these facilities are subject to the requirements identified under 40 CFR § 61.342 for treatment and management of waste
9. 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)
10. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.
11. For the 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).

12. 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

13. For benzene laden waste streams from ethylene process facilities subject to 40 CFR Part 63, Subpart YY with total annual benzene quantity from the facility of 10 megagrams per year or more the permit holder shall comply with the following requirements as specified in 40 CFR § 63.1095(b)(3) (Title 30 TAC Chapter 113, Subchapter C, § 113.560 incorporated by reference):

A. For facilities with waste managed in containers the permit holder shall comply with the following requirements:

- (i) Title 40 CFR § 61.345(a)(1) - (3), (b), and (c) (relating to Standards: Containers)
- (ii) Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)
- (iii) Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
- (iv) Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)

- B. For facilities with waste managed in individual drain systems the permit holder shall comply with the following requirements:
- (i) Title 40 CFR § 61.346(b)(1), (2), (2)(i), (3), (4)(i) - (iv), and (5) (relating to Standards: Individual Drain Systems)
  - (ii) Title 40 CFR § 61.346(b)(2)(ii)(A) (relating to Standards: Individual Drain Systems), for junction boxes
  - (iii) Title 40 CFR § 61.346(b)(2)(ii)(B) (relating to Standards: Individual Drain Systems), for junction boxes
  - (iv) Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)
  - (v) Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
  - (vi) Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)
14. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

### **Additional Monitoring Requirements**

15. Unless otherwise specified, the permit holder shall comply with the compliance assurance monitoring requirements as specified in the attached “CAM Summary” upon issuance of the permit. In addition, the permit holder shall comply with the following:
- A. The permit holder shall comply with the terms and conditions contained in 30 TAC § 122.147 (General Terms and Conditions for Compliance Assurance Monitoring).
  - B. The permit holder shall report, consistent with the averaging time identified in the “CAM Summary,” deviations as defined by the deviation limit in the “CAM Summary.” Any monitoring data below a minimum limit or above a maximum limit, that is collected in accordance with the requirements specified in 40 CFR § 64.7(c), shall be reported as a

deviation. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

- C. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “CAM Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c).
  - D. The permit holder shall operate the monitoring, identified in the attached “CAM Summary,” in accordance with the provisions of 40 CFR § 64.7.
  - E. The permit holder shall comply with the requirements of 40 CFR § 70.6(a)(3)(ii)(A) and 30 TAC § 122.144(1)(A)-(F) for documentation of all required inspections.
16. 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**

17. 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
- 18. 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.
- 19. 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. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

### **Compliance Requirements**

- 20. 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.
- 21. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:
  - A. The permit holder shall comply with the compliance schedule as required in 30 TAC § 117.9300 for electric utilities in East and Central Texas.
- 22. 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**

- 23. 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**

- 24. 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.

### **Temporary Fuel Shortages (30 TAC § 112.15)**

- 25. The permit holder shall comply with the following 30 TAC Chapter 112 requirements:
  - A. Title 30 TAC § 112.15 (relating to Temporary Fuel Shortage Plan Filing Requirements)
  - B. Title 30 TAC § 112.16(a), (a)(1), and (a)(2)(B) - (c) (relating to Temporary Fuel Shortage Plan Operating Requirements)
  - C. Title 30 TAC § 112.17 (relating to Temporary Fuel Shortage Plan Notification Procedures)
  - D. Title 30 TAC § 112.18 (relating to Temporary Fuel Shortage Plan Reporting Requirements)

### **Permit Location**

- 26. 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)**

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

## **Attachments**

**Applicable Requirements Summary**

**Additional Monitoring Requirements**

**Permit Shield**

**New Source Review Authorization References**

## **Applicable Requirements Summary**

**Unit Summary ..... 20**

**Applicable Requirements Summary ..... 35**

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
44	Emission Points/Stationary Vents/Process Vents	N/A	R1-111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
44A	Boilers/Steam Generators/Steam Generating Units	N/A	R7DIV-E	30 TAC Chapter 117, Subchapter E, Division 1	No changing attributes.
44A	Boilers/Steam Generators/Steam Generating Units	N/A	60GG-1	40 CFR Part 60, Subpart Db	No changing attributes.
44A	Stationary Turbines	N/A	60GG-1	40 CFR Part 60, Subpart GG	No changing attributes.
44B	Boilers/Steam Generators/Steam Generating Units	N/A	60Db-1	40 CFR Part 60, Subpart Db	No changing attributes.
4A/B/C/D	Emission Points/Stationary Vents/Process Vents	N/A	R111-2	30 TAC Chapter 111, Visible Emissions	No changing attributes.
AC1	SRIC Engines	N/A	60III-01	40 CFR Part 60, Subpart III	No changing attributes.
AC1	SRIC Engines	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
AC2	SRIC Engines	N/A	60III-02	40 CFR Part 60, Subpart III	No changing attributes.
AC2	SRIC Engines	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

## Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
BIPHNLTRK	Loading/Unloading Operations	N/A	R5211	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
BIPHNLTRK	Loading/Unloading Operations	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
BX001FL	Flares	N/A	NA	30 TAC Chapter 111, Visible Emissions	No changing attributes.
BX001FL	Flares	N/A	<60FPS	40 CFR Part 60, Subpart A	FLARE EXIT VELOCITY = Flare exit velocity is less than 60 ft/s (18.3 m/sec)
BX001FL	Flares	N/A	>60FPS	40 CFR Part 60, Subpart A	FLARE EXIT VELOCITY = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., HEATING VALUE OF GAS = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm)
BX001FL	Flares	N/A	<60FPS	40 CFR Part 63, Subpart A	FLARE EXIT VELOCITY = Flare exit velocity is less than 60 ft/s (18.3 m/sec)
BX001FL	Flares	N/A	>60FPS	40 CFR Part 63, Subpart A	FLARE EXIT VELOCITY = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., HEATING VALUE OF GAS = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm).

## Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
BX001FLVNT	Emission Points/Stationary Vents/Process Vents	N/A	R5112-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
BX001FLVNT	Emission Points/Stationary Vents/Process Vents	N/A	63G	40 CFR Part 63, Subpart G	No changing attributes.
D50009	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
D8.0505	Volatile Organic Compound Water Separators	N/A	R5131	30 TAC Chapter 115, Water Separation	No changing attributes.
D9.0006	Storage Tanks/Vessels	N/A	63G	40 CFR Part 63, Subpart G	No changing attributes.
D90004	Storage Tanks/Vessels	N/A	STORE	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
DEGREASER1	Solvent Degreasing Machines	N/A	R5412-1	30 TAC Chapter 115, Degreasing Processes	No changing attributes.
E-1606	Treatment Process	N/A	61FF	40 CFR Part 61, Subpart FF	No changing attributes.
F-1608	Storage Tanks/Vessels	N/A	R5111	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
F-1608	Storage Tanks/Vessels	N/A	60Kb	40 CFR Part 60, Subpart Kb	No changing attributes.
F-1608	Storage Tanks/Vessels	N/A	61FF	40 CFR Part 61, Subpart FF	No changing attributes.

### Unit Summary

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
F-1609	Storage Tanks/Vessels	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
F-1762	Storage Tanks/Vessels	N/A	61FF-1	40 CFR Part 61, Subpart FF	No changing attributes.
F-1790	Storage Tanks/Vessels	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
F-1791	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
F-1791	Storage Tanks/Vessels	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
F-2002A	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
F-2002A	Storage Tanks/Vessels	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
F-2002B	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
F-2002B	Storage Tanks/Vessels	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
F-2003	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
F-2003	Storage Tanks/Vessels	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
F-2007	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

## Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
F-2007	Storage Tanks/Vessels	N/A	60Kb-1	40 CFR Part 60, Subpart Kb	No changing attributes.
F-2008	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
F-2008	Storage Tanks/Vessels	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
F-2009A	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
F-2009A	Storage Tanks/Vessels	N/A	63G	40 CFR Part 63, Subpart G	No changing attributes.
F-2009B	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
F-2009B	Storage Tanks/Vessels	N/A	63G	40 CFR Part 63, Subpart G	No changing attributes.
F-2101	Volatile Organic Compound Water Separators	N/A	R5131	30 TAC Chapter 115, Water Separation	No changing attributes.
F-2102C	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
F-2102C	Storage Tanks/Vessels	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
F-2104	Storage Tanks/Vessels	N/A	R5112-01	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
F-2104	Storage Tanks/Vessels	N/A	61FF	40 CFR Part 61, Subpart FF	No changing attributes.

### Unit Summary

<b>Unit/Group/ Process ID No.</b>	<b>Unit Type</b>	<b>Group/Inclusive Units</b>	<b>SOP Index No.</b>	<b>Regulation</b>	<b>Requirement Driver</b>
F-2113	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
F-2113	Storage Tanks/Vessels	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
F-2301	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
F-2301	Storage Tanks/Vessels	N/A	61FF	40 CFR Part 61, Subpart FF	No changing attributes.
F-2301	Storage Tanks/Vessels	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
F-2305	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
F-2305	Storage Tanks/Vessels	N/A	61FF	40 CFR Part 61, Subpart FF	No changing attributes.
F-2305	Storage Tanks/Vessels	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
FUGITIVES	Fugitive Emission Units	N/A	61JALL	40 CFR Part 61, Subpart J	No changing attributes.
FUGITIVES	Fugitive Emission Units	N/A	61VALL	40 CFR Part 61, Subpart V	No changing attributes.
FUGITIVES	Fugitive Emission Units	N/A	63HALL	40 CFR Part 63, Subpart H	No changing attributes.
FUGITIVES	Fugitive Emission Units	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.

## Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
G-1704A	Volatile Organic Compound Water Separators	N/A	61FF	40 CFR Part 61, Subpart FF	No changing attributes.
G-1704B	Volatile Organic Compound Water Separators	N/A	61FF	40 CFR Part 61, Subpart FF	No changing attributes.
GRP2TKK	Storage Tanks/Vessels	F-2001A, F- 2001B, F-2001C, F-2015, F-2016	60K-HVP-1	30 TAC Chapter 115, Storage of VOCs	True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia, Product Stored = VOC other than crude oil or condensate
GRP2TKK	Storage Tanks/Vessels	F-2001A, F- 2001B, F-2001C, F-2015, F-2016	60K-HVP-2	30 TAC Chapter 115, Storage of VOCs	True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia, Product Stored = Crude oil and/or condensate
GRP2TKK	Storage Tanks/Vessels	F-2001A, F- 2001B, F-2001C, F-2015, F-2016	60K-LOVP-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, Product Stored = VOC other than crude oil or condensate
GRP2TKK	Storage Tanks/Vessels	F-2001A, F- 2001B, F-2001C, F-2015, F-2016	60K-LOVP-2	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, Product Stored = Crude oil and/or condensate
GRP2TKK	Storage Tanks/Vessels	F-2001A, F- 2001B, F-2001C, F-2015, F-2016	60K-HIVP	40 CFR Part 60, Subpart K	True Vapor Pressure = True vapor pressure is at least 1.5 psia and less than 11.1 psia
GRP2TKK	Storage Tanks/Vessels	F-2001A, F-	60K-LOVP	40 CFR Part 60,	True Vapor Pressure = True vapor

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		2001B, F-2001C, F-2015, F-2016		Subpart K	pressure is less than 1.5 psia
GRP2TKK	Storage Tanks/Vessels	F-2001A, F- 2001B, F-2001C, F-2015, F-2016	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
GRPBOILER	Boilers/Steam Generators/Steam Generating Units	B-1603A, B- 1603B, B-1603C, B-1603D	R112	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
GRPBOILER	Boilers/Steam Generators/Steam Generating Units	B-1603A, B- 1603B, B-1603C, B-1603D	60D-1	40 CFR Part 60, Subpart D	No changing attributes.
GRPBOILER	Boilers/Steam Generators/Steam Generating Units	B-1603A, B- 1603B, B-1603C, B-1603D	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
GRP-FLGAS2	Emission Points/Stationary Vents/Process Vents	B-1601AVNT, B-1601BVNT, B-1601CVNT, B-1601DVNT, B-1601EVNT, B-1601FVNT, B-1601GVNT, B-1601HVNT, B-1601JVNT, B-1601KVNT, B-1601LVNT, B-1601MVNT, B-1601NVNT, B-1602AVNT,	115B-44B	30 TAC Chapter 115, Vent Gas Controls	Control Device = 44B

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		B-1602BVNT			
GRP-FLGAS2	Emission Points/Stationary Vents/Process Vents	B-1601AVNT, B-1601BVNT, B-1601CVNT, B-1601DVNT, B-1601EVNT, B-1601FVNT, B-1601GVNT, B-1601HVNT, B-1601JVNT, B-1601KVNT, B-1601LVNT, B-1601MVNT, B-1601NVNT, B-1602AVNT, B-1602BVNT	115B-BLR	30 TAC Chapter 115, Vent Gas Controls	Control Device = GRPBOILER
GRP-FLGAS2	Emission Points/Stationary Vents/Process Vents	B-1601AVNT, B-1601BVNT, B-1601CVNT, B-1601DVNT, B-1601EVNT, B-1601FVNT, B-1601GVNT, B-1601HVNT, B-1601JVNT, B-1601KVNT, B-1601LVNT, B-1601MVNT, B-1601NVNT, B-1602AVNT,	115B-FURN	30 TAC Chapter 115, Vent Gas Controls	Control Device = GRP-FURN

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		B-1602BVNT			
GRP-FLGAS2	Reactor	B-1601AVNT, B-1601BVNT, B-1601CVNT, B-1601DVNT, B-1601EVNT, B-1601FVNT, B-1601GVNT, B-1601HVNT, B-1601JVNT, B-1601KVNT, B-1601LVNT, B-1601MVNT, B-1601NVNT, B-1602AVNT, B-1602BVNT	65CAR-BLRHTR	40 CFR Part 65, Subpart D	Control Device = Boiler
GRP-FLGAS2	Reactor	B-1601AVNT, B-1601BVNT, B-1601CVNT, B-1601DVNT, B-1601EVNT, B-1601FVNT, B-1601GVNT, B-1601HVNT, B-1601JVNT, B-1601KVNT, B-1601LVNT, B-1601MVNT, B-1601NVNT, B-1602AVNT,	65CAR-FL	40 CFR Part 65, Subpart D	Control Device = Flare

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		B-1602BVNT			
GRP-FUELGAS	Emission Points/Stationary Vents/Process Vents	B-1603AVNT, B-1603BVNT, B-1603CVNT, B-1603DVNT, B-1604AVNT, B-1604BVNT, B-1705VNT, B-1706VNT, B-1801VNT, B-1851VNT, B-1852VNT	115B-44B	30 TAC Chapter 115, Vent Gas Controls	Control Device = 44B
GRP-FUELGAS	Emission Points/Stationary Vents/Process Vents	B-1603AVNT, B-1603BVNT, B-1603CVNT, B-1603DVNT, B-1604AVNT, B-1604BVNT, B-1705VNT, B-1706VNT, B-1801VNT, B-1851VNT, B-1852VNT	115B-BLR	30 TAC Chapter 115, Vent Gas Controls	Control Device = GRPBOILER
GRP-FUELGAS	Emission Points/Stationary Vents/Process Vents	B-1603AVNT, B-1603BVNT, B-1603CVNT, B-1603DVNT, B-1604AVNT, B-1604BVNT, B-1705VNT,	115B-FURN	30 TAC Chapter 115, Vent Gas Controls	Control Device = GRP-FURN

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		B-1706VNT, B-1801VNT, B-1851VNT, B-1852VNT			
GRP-FURN	Process Heaters/Furnaces	B-1601A, B-1601B, B-1601C, B-1601D, B-1601E, B-1601F, B-1601G, B-1601H, B-1601J, B-1601K, B-1601L, B-1601M, B-1601N, B-1602A, B-1602B, B- 1604A, B-1604B, B-1705, B-1706, B-1801, B-1851, B-1852	63DDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
GRPLHPTK	Storage Tanks/Vessels	F-1789X, F-2005	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPLHPTK	Storage Tanks/Vessels	F-1789X, F-2005	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
GRPLLPTK	Storage Tanks/Vessels	F-2010A, F- 2010B, FA-1663	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
GRPMHPTK	Storage Tanks/Vessels	F-2102A, F-2102B	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPMHPTK	Storage Tanks/Vessels	F-2102A, F-2102B	61FF	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
GRPMHPTK	Storage Tanks/Vessels	F-2102A, F-2102B	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
GRP-NNNTWR	Distillation Operations	E-1719, E-1720	65CAR-BLRHTR	40 CFR Part 65, Subpart D	Control Device = Boiler
GRP-NNNTWR	Distillation Operations	E-1719, E-1720	65CAR-FL	40 CFR Part 65, Subpart D	Control Device = Flare
L-2019A	Flares	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
L-2019A	Flares	N/A	<60FPS	40 CFR Part 60, Subpart A	FLARE EXIT VELOCITY = Flare exit velocity is less than 60 ft/s (18.3 m/sec)
L-2019A	Flares	N/A	>60FPS	40 CFR Part 60, Subpart A	FLARE EXIT VELOCITY = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., HEATING VALUE OF GAS = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm)
L-2019A	Flares	N/A	<60FPS	40 CFR Part 63, Subpart A	FLARE EXIT VELOCITY = Flare exit velocity is less than 60 ft/s (18.3 m/sec)
L-2019A	Flares	N/A	>60FPS	40 CFR Part 63, Subpart A	FLARE EXIT VELOCITY = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., HEATING VALUE OF GAS = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm).
L-2019AVNT	Emission	N/A	R5112-1	30 TAC Chapter 115,	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	Points/Stationary Vents/Process Vents			Vent Gas Controls	
L-2019AVNT	Emission Points/Stationary Vents/Process Vents	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
L-2019B	Flares	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
L-2019B	Flares	N/A	<60FPS	40 CFR Part 60, Subpart A	FLARE EXIT VELOCITY = Flare exit velocity is less than 60 ft/s (18.3 m/sec), HEATING VALUE OF GAS = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).
L-2019B	Flares	N/A	>60FPS	40 CFR Part 60, Subpart A	FLARE EXIT VELOCITY = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., HEATING VALUE OF GAS = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm)
L-2019BVNT	Emission Points/Stationary Vents/Process Vents	N/A	R5112-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
L-2019BVNT	Emission Points/Stationary Vents/Process Vents	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
L-2101	Volatile Organic Compound Water Separators	N/A	R5131	30 TAC Chapter 115, Water Separation	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
L43	Loading/Unloading Operations	N/A	R5131	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
L43	Loading/Unloading Operations	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
PRO-BDU	Chemical Manufacturing Process	N/A	63F	40 CFR Part 63, Subpart F	No changing attributes.
PRO-HDA	Chemical Manufacturing Process	N/A	63F	40 CFR Part 63, Subpart F	No changing attributes.
PRO-OLEFIN	Chemical Manufacturing Process	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
REGVUNLOAD	Loading/Unloading Operations	N/A	D5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	True Vapor Pressure = True vapor pressure is less than 1.5 psia, Transfer Type = Loading and unloading.
REGVUNLOAD	Loading/Unloading Operations	N/A	R5211-2	30 TAC Chapter 115, Loading and Unloading of VOC	True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia., Transfer Type = Only unloading., Vapor Tight = All liquid and vapor lines are equipped with fittings which make vapor-tight connections that close automatically when disconnected.

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
44	EP	R1-111	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
44A	EU	R7DIV-E	EXEMPT	30 TAC Chapter 117, Subchapter E, Division 1	§ 117.3003(1) § 117.3003	The provisions of this division (relating to Utility Electric Generation in East and Central Texas), except as specified in §117.3040 and §117.3045 of this title (relating to Continuous Demonstration of Compliance; and Notification, Recordkeeping, and Reporting Requirements), do not apply to utility electric power boilers or stationary gas turbines if the annual heat input does not exceed 2.2 (10) <sup>11</sup> British thermal units per year, averaged over the three most recent calendar years.	§ 117.3040(h) § 117.3040(h)(3)	None	[G]§ 117.3040(j) § 117.3054(a) § 117.3054(a)(5)
44A	EU	60GG-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)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
44A	EU	6oGG-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)
44A	EU	6oGG-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)
44A	EU	6oGG-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 fuels combusted in the unit > 29 MW (100 MMBtu/hr).	§ 60.46b(g)	[G]§ 60.49b(d) § 60.49b(o) [G]§ 60.49b(p)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(2) § 60.49b(a)(3) § 60.49b(q) § 60.49b(q)(1) § 60.49b(q)(3) § 60.49b(w)
44A	EU	6oGG-1	SO <sub>2</sub>	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) § 60.334(h)(4)	None	None
44B	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	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)
						heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).			
44B	EU	60Db-1	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
44B	EU	60Db-1	PM (OPACITY)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
44B	EU	60Db-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 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)
4A/B/C/D	EP	R111-2	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						which construction was begun after January 31, 1972.			
AC1	EU	60III-01	NO <sub>x</sub>	40 CFR Part 60, Subpart III	§ 60.4204(a) § 60.4206 § 60.4207(b) § 60.4211(b) § 60.4218 § 94.8(a)(1)(i) § 94.8(a)(1)(ii) § 94.8(a)(1)(iii)	Owners and operators of non-emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder and is a pre-2007 model year must comply with the following NO <sub>x</sub> emission limits: 17.0 g/KW-hr when maximum test speed is less than 130 rpm, 45.0 x N-0.20 g/KW-hr when maximum test speed is at least 130 but less than 2000 rpm, and 9.8 g/KW-hr when maximum test speed is 2000 rpm or more, as listed in 40 CFR 94.8(a)(1)(i)-(iii).	None	§ 60.4211(b)(3) [G]§ 60.4214(a)(2)	[G]§ 60.4214(a)(1)
AC1	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart III, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark	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)
						ignition engines as applicable. No further requirements apply for such engines under this part.			
AC2	EU	60III-02	NO <sub>x</sub>	40 CFR Part 60, Subpart III	§ 60.4204(a) § 60.4206 § 60.4207(b) § 60.4211(b) § 60.4218 § 94.8(a)(1)(i) § 94.8(a)(1)(ii) § 94.8(a)(1)(iii)	Owners and operators of non-emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder and is a pre-2007 model year must comply with the following NO <sub>x</sub> emission limits: 17.0 g/KW-hr when maximum test speed is less than 130 rpm, 45.0 x N-0.20 g/KW-hr when maximum test speed is at least 130 but less than 2000 rpm, and 9.8 g/KW-hr when maximum test speed is 2000 rpm or more, as listed in 40 CFR 94.8(a)(1)(i)-(iii).	None	§ 60.4211(b)(3) [G]§ 60.4214(a)(2)	[G]§ 60.4214(a)(1)
AC2	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart III, for compression ignition	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)
						engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
BIPHNLTRK	EU	R5211	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
BIPHNLTRK	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
BX001FL	EU	NA	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
BX001FL	CD	<60FPS	OPACITY	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2)	None	None

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)		§ 60.18(f)(3) § 60.18(f)(4)		
BX001FL	CD	>60FPS	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
BX001FL	CD	<60FPS	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
BX001FL	CD	>60FPS	OPACITY	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(ii)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BX001FLVNT	EP	R5112-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(b) § 115.122(b) § 115.122(b)(2)	In Nueces and Victoria Counties, any process vent containing one or more VOC or classes of VOC specified in §115.121 (b)(1)-(3), shall be controlled properly in accordance with §115.122(b).	[G]§ 115.125 § 115.126(2) ** See CAM Summary	§ 115.126 § 115.126(2)	None
BX001FLVNT	EP	63G	112(B) HAPS	40 CFR Part 63, Subpart G	[G]§ 63.113(a)(1) § 63.11 § 63.113(h) [G]§ 63.115(f)	Reduce emissions of organic HAP using a flare.§63.113(a)(1)(i)-(ii)	§ 63.114(a) § 63.114(a)(2) [G]§ 63.115(f) [G]§ 63.116(a)	[G]§ 63.117(a)(5) § 63.118(a)(1) § 63.118(a)(2) [G]§ 63.152(a) [G]§ 63.152(f)	§ 63.114(e) [G]§ 63.117(a)(5) § 63.117(f) § 63.118(f)(2) § 63.118(f)(5) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
D50009	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(4) § 115.118(b)(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)
D8.0505	EU	R5131	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(b)(3) § 115.131(b)	VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(b) of this title.	[G]§ 115.135(b) § 115.136(b)(3) § 115.136(b)(4) ** See Periodic Monitoring Summary	§ 115.136(b)(3) § 115.136(b)(4)	None
D9.0006	EU	63G	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(a)(3)	Group 2 tanks not using emissions averaging as prescribed by §63.150 shall use record keeping methods in §63.123(a). Not required to comply with §63.119 to §63.123.	None	§ 63.123(a)	§ 63.152(c)(4)(iii)
D90004	EU	STORE	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(4) § 115.118(b)(5)	None
DEGREASER1	EU	R5412-1	VOC	30 TAC Chapter 115, Degreasing Processes	§ 115.412(1) [G]§ 115.412(1)(A) § 115.412(1)(C) § 115.412(1)(D) [G]§ 115.412(1)(F) § 115.417(1)	Cold solvent cleaning. No person shall own or operate a system utilizing a VOC for the cold solvent cleaning of objects without the controls listed in §115.412(1)(A)-(F).	[G]§ 115.415(1) § 115.415(3) ** See Periodic Monitoring Summary	None	None
E-1606	PRO	61FF	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)	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(f) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(a)(1) § 61.354(c) § 61.354(c)(3) [G]§ 61.355(h)	§ 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)	§ 61.357(d)(7) § 61.357(d)(7)(i) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)			§ 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(7)	
F-1608	EU	R5111	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.112(b)(2)(F) § 115.114(b)(2)(A) § 115.114(b)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(2) § 115.114(b)(3) § 115.114(b)(4) § 115.114(b)(4)(A) [G]§ 115.117	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(2)(B) § 115.114(b)(4)(B)
F-1608	EU	60Kb	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
F-1608	EU	61FF	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	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4)	§ 60.115b [G]§ 60.115b(b)(3) § 61.356(k)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6)		§ 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 61.357(e) § 61.357(f)
F-1609	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) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) [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) § 61.356(j)(11)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
F-1762	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) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 60.18(f)(2) § 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) [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)(11) § 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)
F-1790	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder	The permit holder shall comply with the applicable	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)
					shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	requirements of 40 CFR Part 63, Subpart YY	applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	applicable reporting requirements of 40 CFR Part 63, Subpart YY
F-1791	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(4) § 115.118(b)(5)	None
F-1791	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
F-2002A	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(4) § 115.118(b)(5)	None
F-2002A	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation,	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR	The permit holder shall comply with the applicable reporting requirements of 40 CFR

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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 40 CFR Part 63, Subpart YY		requirements of 40 CFR Part 63, Subpart YY	Part 63, Subpart YY	Part 63, Subpart YY
F-2002B	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(4) § 115.118(b)(5)	None
F-2002B	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
F-2003	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(4) § 115.118(b)(5)	None
F-2003	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

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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)
					specification requirements of 40 CFR Part 63, Subpart YY		YY		
F-2007	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(4) § 115.118(b)(5)	None
F-2007	EU	60Kb-1	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(b)(1) § 60.18	Storage vessels specified in §60.112b(b) and equipped with a closed vent system and control device are to meet the specifications in §60.112b(a)(3).	§ 60.113b(d) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b § 60.115b(d)(2) § 60.116b(a) § 60.116b(b)	§ 60.115b § 60.115b(d)(1) § 60.115b(d)(3)
F-2008	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.112(b)(2)(F) § 115.114(b)(2)(A) § 115.114(b)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(2) § 115.114(b)(3) § 115.114(b)(4) § 115.114(b)(4)(A) [G]§ 115.117	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(2)(B) § 115.114(b)(4)(B)
F-2008	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

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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)
					specification requirements of 40 CFR Part 63, Subpart YY		YY		
F-2009A	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)
F-2009A	EU	63G	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(ii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [G]§ 63.119(b)(5)(viii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(2)(i) § 63.120(a)(2)(ii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
F-2009B	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(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)
F-2009B	EU	63G	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(ii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [G]§ 63.119(b)(5)(viii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(2)(i) § 63.120(a)(2)(ii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
F-2101	EU	R5131	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(b)(1)	VOC water separators must have each compartment totally enclosed with all openings sealed. Gauging and sampling devices shall be vapor-tight except during use.	[G]§ 115.135(b) § 115.136(b)(3) § 115.136(b)(4) ** See Periodic Monitoring Summary	§ 115.136(b)(3) § 115.136(b)(4)	None
F-2102C	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.112(b)(2)(F) § 115.114(b)(2)(A) § 115.114(b)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(2) § 115.114(b)(3) § 115.114(b)(4) § 115.114(b)(4)(A) [G]§ 115.117	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(2)(B) § 115.114(b)(4)(B)
F-2102C	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder	The permit holder shall comply with the applicable	The permit holder shall comply with the	The permit holder shall comply with the	The permit holder shall comply with the

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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)
					shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	requirements of 40 CFR Part 63, Subpart YY	applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	applicable reporting requirements of 40 CFR Part 63, Subpart YY
F-2104	EU	R5112-01	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.112(b)(2)(F) § 115.114(b)(2)(A) § 115.114(b)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(2) § 115.114(b)(3) § 115.114(b)(4) § 115.114(b)(4)(A) [G]§ 115.117	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(2)(B) § 115.114(b)(4)(B)
F-2104	EU	61FF	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)
F-2113	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.112(b)(2)(F)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(2) § 115.114(b)(3) § 115.114(b)(4) § 115.114(b)(4)(A) [G]§ 115.117	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(2)(B) § 115.114(b)(4)(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)
					§ 115.114(b)(2)(A) § 115.114(b)(4)(A)				
F-2113	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
F-2301	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)
F-2301	EU	61FF	BENZENE	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 61.357(e) § 61.357(f)
F-2301	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the	The permit holder shall comply with the applicable requirements of 40 CFR	The permit holder shall comply with the applicable monitoring	The permit holder shall comply with the applicable recordkeeping	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 40 CFR Part 63, Subpart YY	Part 63, Subpart YY	and testing requirements of 40 CFR Part 63, Subpart YY	requirements of 40 CFR Part 63, Subpart YY	requirements of 40 CFR Part 63, Subpart YY
F-2305	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)
F-2305	EU	61FF	BENZENE	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 61.357(e) § 61.357(f)
F-2305	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

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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)
					YY				
FUGITIVES	EU	61JALL	BENZENE	40 CFR Part 61, Subpart J	§ 61.112(a) § 61.112(b)	Each owner or operator subject to this subpart shall comply with the requirements of 40 CFR 61, Subpart V - National Emission Standard for Equipment Leaks (Fugitive Emission Sources).	None	None	None
FUGITIVES	EU	61VALL	VHAP	40 CFR Part 61, Subpart V	§ 61.242-1(e)	Equipment that is in vacuum service is excluded from the requirements of §61.242-2 to §61.242-11, if it is identified as required in §61.246(e)(5).	None	[G]§ 61.246(e)	None
FUGITIVES	EU	61VALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-2 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pumps. §61.242-2(a)-(g)	[G]§ 61.242-2 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(h) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
FUGITIVES	EU	61VALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-3 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for compressors. §61.242-3(a)-(i)	[G]§ 61.242-3 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(h) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
FUGITIVES	EU	61VALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-4 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pressure relief devices in gas/vapor service. §61.242-4(a)-(c)	[G]§ 61.242-4 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(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)
FUGITIVES	EU	61VALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-5 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for sampling connection systems. §61.242-5(a)-(c)	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
FUGITIVES	EU	61VALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-6 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for open-ended valves or lines. §61.242-6(a)-(c)	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
FUGITIVES	EU	61VALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-7 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10 [G]§ 61.243-1 [G]§ 61.243-2	Comply with standards for valves. §61.242-7(a)-(h)	[G]§ 61.242-7 [G]§ 61.243-1 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(f) [G]§ 61.246(g) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) § 61.247(d) [G]§ 61.247(e)
FUGITIVES	EU	61VALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-8 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d) [G]§ 61.242-10	Comply with standards for pressure relief devices in liquid service. § 61.242-8(a)-(d)	[G]§ 61.242-8 [G]§ 61.245(b) [G]§ 61.245(c) [G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
FUGITIVES	EU	61VALL	VHAP	40 CFR Part 61, Subpart V	§ 61.242-9 § 61.242-1(a) § 61.242-1(b) § 61.242-1(d)	Each product accumulator vessel shall be equipped with a closed-vent system to capture and transport any leakage from the vessel to a control device as in §61.242-11, except in §61.242-1(c).	[G]§ 61.245(d)	[G]§ 61.246(a) [G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(c) [G]§ 61.247(e)
FUGITIVES	EU	61VALL	VHAP	40 CFR Part 61, Subpart V	[G]§ 61.242-8 § 61.242-1(a) § 61.242-1(b)	Comply with standards for flanges and other connectors. § 61.242-8(a)-	[G]§ 61.242-8 [G]§ 61.245(b) [G]§ 61.245(c)	[G]§ 61.246(a) [G]§ 61.246(b) [G]§ 61.246(c)	[G]§ 61.247(a) [G]§ 61.247(b) § 61.247(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)
					§ 61.242-1(d) [G]§ 61.242-10	(d)	[G]§ 61.245(d)	[G]§ 61.246(e) [G]§ 61.246(i) § 61.246(j)	[G]§ 61.247(e)
FUGITIVES	EU	63HALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.162(e) § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h)	Equipment that is in organic HAP service less than 300 hours per year is excluded from the requirements of §§63.163 - 63.174 and §63.178 if it is identified as required in §63.181(j).	[G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i) § 63.181(j)	[G]§ 63.182(a) [G]§ 63.182(b)
FUGITIVES	EU	63HALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.164 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Compressors. §63.164(a)-(i)	[G]§ 63.164 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(f)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FUGITIVES	EU	63HALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.165 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pressure relief device in gas/vapor service. §63.165(a)-(d)	[G]§ 63.165 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(f)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FUGITIVES	EU	63HALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.166 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Sampling connection systems. §63.166(a)-(c)	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FUGITIVES	EU	63HALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g)	Standards: Pumps in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4)

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					§ 63.162(h) [G]§ 63.171				[G]§ 63.182(d)
FUGITIVES	EU	63HALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Valves in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FUGITIVES	EU	63HALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FUGITIVES	EU	63HALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Agitators in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FUGITIVES	EU	63HALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Instrumentation systems. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FUGITIVES	EU	63HALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pressure relief devices in liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)

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					§ 63.162(h) [G]§ 63.171				[G]§ 63.182(d)
FUGITIVES	EU	63HALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.170 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Surge control vessels and bottom receivers.	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FUGITIVES	EU	63HALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.173 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Agitators gas/vapor service and in light liquid service. §63.173(a)-(j).	[G]§ 63.173 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FUGITIVES	EU	63HALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.174 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in gas/vapor service and in light liquid service. §63.174(a)-(j)	[G]§ 63.174 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FUGITIVES	EU	63HALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.163 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.176	Standards: Pumps in light liquid service. §63.163(a)-(j)	[G]§ 63.163 [G]§ 63.176 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(3) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) § 63.181(h)(8)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FUGITIVES	EU	63HALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.167 § 63.162(a)	Standards: Open-ended valves or lines. §63.167(a)-	[G]§ 63.175 [G]§ 63.180(b)	§ 63.181(a) [G]§ 63.181(b)	[G]§ 63.182(a) [G]§ 63.182(b)

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					§ 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.175	(e).	[G]§ 63.180(d)	§ 63.181(c) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) [G]§ 63.181(i)	§ 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FUGITIVES	EU	63HALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.168 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.175	Standards: Valves in gas/vapor service and in light liquid service. §63.168(a)-(j)	[G]§ 63.168 [G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FUGITIVES	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
G-1704A	EU	61FF	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)	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) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h)	§ 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(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)(3) § 61.354(e) [G]§ 61.355(h)	§ 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(7)	
G-1704B	EU	61FF	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(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)
GRP2TKK	EU	60K-HVP-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.112(b)(2)(F) § 115.114(b)(2)(A) § 115.114(b)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(2) § 115.114(b)(3) § 115.114(b)(4) § 115.114(b)(4)(A) [G]§ 115.117	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(2)(B) § 115.114(b)(4)(B)
GRP2TKK	EU	60K-HVP-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or	§ 115.114(b)(2) § 115.114(b)(3) § 115.114(b)(4) § 115.114(b)(4)(A) [G]§ 115.117	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(2)(B) § 115.114(b)(4)(B)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.112(b)(2)(E) § 115.112(b)(2)(F) § 115.114(b)(2)(A) § 115.114(b)(4)(A)	Table II(a).			
GRP2TKK	EU	60K-LOVP-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(b)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(b)(1) § 115.118(b)(4) § 115.118(b)(5)	None
GRP2TKK	EU	60K-LOVP-2	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(b)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(b)(1) § 115.118(b)(4) § 115.118(b)(5)	None
GRP2TKK	EU	60K-HIVP	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
GRP2TKK	EU	60K-LOVP	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)
GRP2TKK	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
GRPBOILER	EU	R112	SO2	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(a) § 112.9(b)	No person may cause, suffer, allow, or permit emissions of SO2 from any liquid fuel-fired steam generator, furnace, or heater to exceed 440 ppmv at actual stack conditions and averaged over 3-hours.	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)
GRPBOILER	EU	60D-1	PM	40 CFR Part 60, Subpart D	§ 60.42(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing particulate matter in excess of 43 ng/J heat input (0.10 lb/MMBtu) derived from fossil fuel or fossil fuel and wood residue.	§ 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(2) [G]§ 60.46(d)(1) § 60.46(d)(2) [G]§ 60.46(d)(3) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
GRPBOILER	EU	60D-1	PM (OPACITY)	40 CFR Part 60, Subpart D	§ 60.42(a)(2)	On/after the performance tests of §60.8, no affected facility shall emit gases exhibiting greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.	§ 60.45(b)(1) § 60.45(b)(7) [G]§ 60.45(b)(7)(i) [G]§ 60.45(b)(7)(ii) § 60.45(b)(7)(iii) § 60.45(h) [G]§ 60.45(h)(1) [G]§ 60.45(h)(2)	§ 60.45(h) [G]§ 60.45(h)(1) [G]§ 60.45(h)(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)
							§ 60.46(a) § 60.46(b)(3)		
GRPBOILER	EU	60D-1	SO <sub>2</sub>	40 CFR Part 60, Subpart D	§ 60.40(a)	The affected facility burns fuel (such as only gaseous fuels) that has no specific SO <sub>2</sub> emission requirements.	§ 60.45(b)(1) § 60.45(b)(4)	None	None
GRPBOILER	EU	60D-1	NO <sub>x</sub>	40 CFR Part 60, Subpart D	§ 60.44(a)(1)	On/after the §60.8 tests, no affected facility shall emit gases containing NO <sub>x</sub> , expressed as NO <sub>2</sub> , in excess of 86 ng/J heat input (0.2 lb/MMBtu) derived from gaseous fossil fuel.	§ 60.45(b)(3) § 60.45(b)(4) § 60.46(a) § 60.46(b)(1) [G]§ 60.46(b)(5) [G]§ 60.46(d)(1) § 60.46(d)(5) § 60.46(d)(6) § 60.46(d)(7) ** See Periodic Monitoring Summary	None	None
GRPBOILER	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
GRP-FLGAS2	EP	115B-44B	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(b) § 115.122(b) § 115.122(b)(3)	In Nueces and Victoria Counties, any process vent containing one or more VOC or classes of VOC specified in §115.121 (b)(1)-(3), shall be controlled properly in accordance with §115.122(b).	[G]§ 115.125 § 115.126(2) ** See Periodic Monitoring Summary	§ 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)
GRP-FLGAS2	EP	115B-BLR	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(b) § 115.122(b) § 115.122(b)(3)	In Nueces and Victoria Counties, any process vent containing one or more VOC or classes of VOC specified in §115.121 (b)(1)-(3), shall be controlled properly in accordance with §115.122(b).	[G]§ 115.125 § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(2)	None
GRP-FLGAS2	EP	115B-FURN	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(b) § 115.122(b) § 115.122(b)(3)	In Nueces and Victoria Counties, any process vent containing one or more VOC or classes of VOC specified in §115.121 (b)(1)-(3), shall be controlled properly in accordance with §115.122(b).	[G]§ 115.125 § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(2)	None
GRP-FLGAS2	EP	65CAR-BLRHTR	VOC	40 CFR Part 65, Subpart D	§ 60.700(d)(1) § 60.700(a) § 60.700(b) § 60.700(d)(2) § 65.1(a) § 65.1(b) § 65.1(c) § 65.1(d) § 65.1(e) [G]§ 65.1(f) § 65.140 § 65.142(b)(2) [G]§ 65.149(a) § 65.149(b)(2) § 65.149(b)(2)(ii) § 65.3(a)(1) § 65.3(a)(3) § 65.3(a)(4) § 65.3(a)(5) § 65.3(b)(3) [G]§ 65.3(b)(5) § 65.3(c)	Option to comply with part 65. Owners or operators of process vents that are subject to 40 CFR part 60, subpart RRR may choose to comply with the provisions of 40 CFR part 65, subpart D, to satisfy the requirements of §§60.702 through 60.705 and 60.708. The provisions of 40 CFR part 65 also satisfy the criteria of paragraphs (c)(2), (4), and (8) of this section. Other provisions applying to an owner or operator who chooses to comply with 40 CFR part 65 are provided in 40 CFR 65.1.	None	§ 65.163(c)(1) § 65.163(e)(2) § 65.4(a)(1) § 65.4(b) § 65.4(c) § 65.4(c)(1) § 65.4(c)(3)	§ 60.700(d)(4) § 65.165(f) § 65.166(a) § 65.167(b) [G]§ 65.5(a) [G]§ 65.5(d) [G]§ 65.5(e) [G]§ 65.5(f) [G]§ 65.5(g) [G]§ 65.5(h) [G]§ 65.5(i) [G]§ 65.6

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 65.3(d) [G]§ 65.6(b) § 65.62(a) § 65.62(b)(1) § 65.63(a) § 65.63(a)(2)				
GRP-FLGAS2	EP	65CAR-FL	VOC	40 CFR Part 65, Subpart D	§ 60.700(d)(1) § 60.700(a) § 60.700(b) § 60.700(d)(2) § 65.1(a) § 65.1(b) § 65.1(c) § 65.1(d) § 65.1(e) [G]§ 65.1(f) § 65.140 § 65.142(b)(1) [G]§ 65.147(a) § 65.3(a)(1) § 65.3(a)(3) § 65.3(a)(4) § 65.3(a)(5) § 65.3(b)(3) [G]§ 65.3(b)(5) § 65.3(c) [G]§ 65.3(d) [G]§ 65.6(b) § 65.62(a) § 65.62(b)(1) § 65.63(a)	Option to comply with part 65. Owners or operators of process vents that are subject to 40 CFR part 60, subpart RRR may choose to comply with the provisions of 40 CFR part 65, subpart D, to satisfy the requirements of §§60.702 through 60.705 and 60.708. The provisions of 40 CFR part 65 also satisfy the criteria of paragraphs (c)(2), (4), and (8) of this section. Other provisions applying to an owner or operator who chooses to comply with 40 CFR part 65 are provided in 40 CFR 65.1.	§ 65.147(b) § 65.147(c) § 65.157(b)(1)	§ 65.147(b)(1) § 65.159(a) [G]§ 65.159(b) [G]§ 65.159(c) [G]§ 65.159(d) § 65.163(c)(1) § 65.163(c)(2) § 65.4(a)(1) § 65.4(b) § 65.4(c) § 65.4(c)(1) § 65.4(c)(3)	§ 60.700(d)(4) § 65.159(d)(1) § 65.165(f) § 65.166(a) § 65.166(c) § 65.167(b) [G]§ 65.5(a) [G]§ 65.5(d) [G]§ 65.5(e) [G]§ 65.5(f) [G]§ 65.5(g) [G]§ 65.5(h) [G]§ 65.5(i) [G]§ 65.6(c)
GRP-FUELGAS	EP	115B-44B	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(b) § 115.122(b) § 115.122(b)(3)	In Nueces and Victoria Counties, any process vent containing one or more VOC or classes of VOC specified in §115.121 (b)(1)-(3), shall be controlled properly in accordance	[G]§ 115.125 § 115.126(2) ** See Periodic Monitoring Summary	§ 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)
						with §115.122(b).			
GRP-FUELGAS	EP	115B-BLR	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(b) § 115.122(b) § 115.122(b)(3)	In Nueces and Victoria Counties, any process vent containing one or more VOC or classes of VOC specified in §115.121 (b)(1)-(3), shall be controlled properly in accordance with §115.122(b).	[G]§ 115.125 § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(2)	None
GRP-FUELGAS	EP	115B-FURN	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(b) § 115.122(b) § 115.122(b)(3)	In Nueces and Victoria Counties, any process vent containing one or more VOC or classes of VOC specified in §115.121 (b)(1)-(3), shall be controlled properly in accordance with §115.122(b).	[G]§ 115.125 § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(2)	None
GRP-FURN	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
GRPLHPTK	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.112(b)(2)(F) § 115.114(b)(2)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(2) § 115.114(b)(3) § 115.114(b)(4) § 115.114(b)(4)(A) [G]§ 115.117	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(2)(B) § 115.114(b)(4)(B)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.114(b)(4)(A)				
GRPLHPTK	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
GRPLLPTK	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
GRPMHPTK	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.112(b)(2)(F) § 115.114(b)(2)(A) § 115.114(b)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(2) § 115.114(b)(3) § 115.114(b)(4) § 115.114(b)(4)(A) [G]§ 115.117	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(2)(B) § 115.114(b)(4)(B)
GRPMHPTK	EU	61FF	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	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i)	§ 60.115b [G]§ 60.115b(b)(3) § 61.356(k)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						the following §61.351(a)(1)-(3):	§ 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)		[G]§ 60.115b(b)(2) § 60.115b(b)(4) § 61.357(e) § 61.357(f)
GRPMHPTK	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
GRP-NNNTWR	EP	65CAR-BLRHTR	VOC	40 CFR Part 65, Subpart D	§ 60.660(d)(1) § 60.660(a) § 60.660(b) § 60.660(d)(2) § 65.1(a) § 65.1(b) § 65.1(c) § 65.1(d) § 65.1(e) [G]§ 65.1(f) § 65.140 § 65.142(b)(2) [G]§ 65.149(a) § 65.149(b)(2) § 65.149(b)(2)(ii) § 65.3(a)(1) § 65.3(a)(3) § 65.3(a)(4) § 65.3(a)(5) § 65.3(b)(3) [G]§ 65.3(b)(5) § 65.3(c)	Option to comply with part 65. Owners or operators of process vents that are subject to 40 CFR part 60, subpart NNN may choose to comply with the provisions of 40 CFR part 65, subpart D, to satisfy the requirements of §§60.662 through 60.665 and 60.668. The provisions of 40 CFR part 65 also satisfy the criteria of paragraphs (c)(4) and (6) of this section. Other provisions applying to an owner or operator who chooses to comply with 40 CFR part 65 are provided in 40 CFR 65.1.	None	§ 65.163(c)(1) § 65.163(e)(2) § 65.4(a)(1) § 65.4(b) § 65.4(c) § 65.4(c)(1) § 65.4(c)(3)	§ 60.660(d)(4) § 65.165(f) § 65.166(a) § 65.167(b) [G]§ 65.5(a) [G]§ 65.5(d) [G]§ 65.5(e) [G]§ 65.5(f) [G]§ 65.5(g) [G]§ 65.5(h) [G]§ 65.5(i) [G]§ 65.6

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 65.3(d) [G]§ 65.6(b) § 65.62(a) § 65.62(b)(1) § 65.63(a) [G]§ 65.63(a)(2)				
GRP-NNNTWR	EP	65CAR-FL	VOC	40 CFR Part 65, Subpart D	§ 60.660(d)(1) § 60.660(a) § 60.660(b) § 60.660(d)(2) § 65.1(a) § 65.1(b) § 65.1(c) § 65.1(d) § 65.1(e) [G]§ 65.1(f) § 65.140 § 65.142(b)(1) [G]§ 65.147(a) § 65.3(a)(1) § 65.3(a)(3) § 65.3(a)(4) § 65.3(a)(5) § 65.3(b)(3) [G]§ 65.3(b)(5) § 65.3(c) [G]§ 65.3(d) [G]§ 65.6(b) § 65.62(a) § 65.62(b)(1) § 65.63(a) § 65.63(a)(1)	Option to comply with part 65. Owners or operators of process vents that are subject to 40 CFR part 60, subpart NNN may choose to comply with the provisions of 40 CFR part 65, subpart D, to satisfy the requirements of §§60.662 through 60.665 and 60.668. The provisions of 40 CFR part 65 also satisfy the criteria of paragraphs (c)(4) and (6) of this section. Other provisions applying to an owner or operator who chooses to comply with 40 CFR part 65 are provided in 40 CFR 65.1.	§ 65.147(b) § 65.147(c) § 65.157(b) § 65.157(b)(1)	§ 65.147(b)(1) § 65.159(a) [G]§ 65.159(b) [G]§ 65.159(c) [G]§ 65.159(d) § 65.163(c)(1) § 65.163(c)(2) § 65.4(a)(1) § 65.4(b) § 65.4(c) § 65.4(c)(1) § 65.4(c)(3)	§ 60.660(d)(4) § 65.159(d)(1) § 65.165(f) § 65.166(a) § 65.166(c) § 65.167(b) [G]§ 65.5(a) [G]§ 65.5(d) [G]§ 65.5(e) [G]§ 65.5(f) [G]§ 65.5(g) [G]§ 65.5(h) [G]§ 65.5(i) [G]§ 65.6
L-2019A	EU	R1111	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions	§ 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)
						as provided in §101.222(b).			
L-2019A	CD	<60FPS	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
L-2019A	CD	>60FPS	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
L-2019A	CD	<60FPS	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
L-2019A	CD	>60FPS	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
L-2019AVNT	EP	R5112-1	VOC	30 TAC Chapter 115, Vent Gas	§ 115.121(b) § 115.122(b)	In Nueces and Victoria Counties, any process vent	[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	§ 115.122(b)(2)	containing one or more VOC or classes of VOC specified in §115.121 (b)(1)-(3), shall be controlled properly in accordance with §115.122(b).	** See CAM Summary		
L-2019AVNT	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
L-2019B	EU	R1111	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
L-2019B	CD	<60FPS	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
L-2019B	CD	>60FPS	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)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.18(e)				
L-2019BVNT	EP	R5112-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.121(b) § 115.122(b) § 115.122(b)(2)	In Nueces and Victoria Counties, any process vent containing one or more VOC or classes of VOC specified in §115.121 (b)(1)-(3), shall be controlled properly in accordance with §115.122(b).	[G]§ 115.125 § 115.126(2) ** See CAM Summary	§ 115.126 § 115.126(2)	None
L-2019BVNT	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
L-2101	EU	R5131	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(b)(3) § 115.131(b)	VOC water separator compartments must be equipped with a vapor recovery system which satisfies the provisions of §115.131(b) of this title.	[G]§ 115.135(b) § 115.136(b)(3) § 115.136(b)(4) ** See Periodic Monitoring Summary	§ 115.136(b)(3) § 115.136(b)(4)	None
L43	EU	R5131	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
L43	EU	63YY	112(B)	40 CFR Part 63,	§ 63.1103	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)
			HAPS	Subpart YY	The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	comply with the applicable requirements of 40 CFR Part 63, Subpart YY	shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
PRO-BDU	PRO	63F	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.100(b) [G]§ 63.102(a) [G]§ 63.102(c) § 63.104(a) [G]§ 63.104(d) § 63.104(e) § 63.104(e)(1) [G]§ 63.104(e)(2) § 63.105(d)	Except as provided in paragraphs (b)(4) and (c) of this section, the provisions of subparts F, G, and H apply to chemical manufacturing process units that meet the criteria.	§ 63.103(b)(1) § 63.103(b)(3) § 63.103(b)(4) [G]§ 63.103(b)(5) § 63.103(b)(6) [G]§ 63.104(b)	[G]§ 63.103(c) [G]§ 63.104(e)(2) [G]§ 63.104(f)(1) [G]§ 63.105(b) § 63.105(c) § 63.105(e)	§ 63.103(b)(2) [G]§ 63.103(b)(5) [G]§ 63.103(d) [G]§ 63.104(f)(2)
PRO-HDA	PRO	63F	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.100(b) [G]§ 63.102(a) [G]§ 63.102(c) § 63.104(a) [G]§ 63.104(d) § 63.104(e) § 63.104(e)(1) [G]§ 63.104(e)(2) § 63.105(d)	Except as provided in paragraphs (b)(4) and (c) of this section, the provisions of subparts F, G, and H apply to chemical manufacturing process units that meet the criteria.	§ 63.103(b)(1) § 63.103(b)(3) § 63.103(b)(4) [G]§ 63.103(b)(5) § 63.103(b)(6) [G]§ 63.104(b)	[G]§ 63.103(c) [G]§ 63.104(e)(2) [G]§ 63.104(f)(1) [G]§ 63.105(b) § 63.105(c) § 63.105(e)	§ 63.103(b)(2) [G]§ 63.103(b)(5) [G]§ 63.103(d) [G]§ 63.104(f)(2)
PRO-OLEFIN	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
REGVUNLOAD	EU	D5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
REGVUNLOAD	EU	R5211-2	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.212(b)(3) § 115.212(b)(2) § 115.212(b)(3)(A) § 115.212(b)(3)(A)(i) § 115.212(b)(3)(B) [G]§ 115.212(b)(3)(C) § 115.212(b)(3)(D) § 115.214(b)(1)(B) § 115.214(b)(1)(C)	Leak-free requirements. All land-based loading and unloading of VOC shall be conducted such that.	§ 115.212(b)(3)(B) § 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.214(b)(1)(A)(ii) § 115.214(b)(1)(A)(iii)	§ 115.216 § 115.216(3)(A) § 115.216(3)(A)(i) § 115.216(3)(A)(iii)	None

**Additional Monitoring Requirements**

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## CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: BX001FLVNT	
Control Device ID No.: BX001FL	Control Device Type: Flare
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5112-1
Pollutant: VOC	Main Standard: § 115.121(b)
<b>Monitoring Information</b>	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

## CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: L-2019AVNT	
Control Device ID No.: L-2019A	Control Device Type: Flare
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5112-1
Pollutant: VOC	Main Standard: § 115.121(b)
<b>Monitoring Information</b>	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

## CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: L-2019BVNT	
Control Device ID No.: L-2019B	Control Device Type: Flare
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5112-1
Pollutant: VOC	Main Standard: § 115.121(b)
<b>Monitoring Information</b>	
Indicator: Pilot Flame	
Minimum Frequency: Continuous	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>CAM Text: Monitor the presence of a flare pilot flame using a thermocouple or other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. Maintain records of alarm events and duration of alarm events. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: 44	
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.: R1-111
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
<b>Monitoring Information</b>	
Indicator: Opacity	
Minimum Frequency: Once per month	
Averaging Period: Six-minutes	
Deviation Limit: Maximum opacity = 15%	
<p>Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings above the deviation limit shall be reported as a deviation.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: D50009	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112
Pollutant: VOC	Main Standard: § 115.112(b)(1)
<b>Monitoring Information</b>	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: n/a*	
Deviation Limit: VOC concentration greater than 100 ppmv at outlet of initial canister.	
<p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration at the outlet of the first, second, etc., canister but before the inlet to the second, third, etc., or final polishing canister of the carbon adsorption system, as appropriate. The monitoring device shall meet the requirements of part 60, appendix A, method 21, sections 2, 3, 4.1, 4.2, and 4.4. However, the words “leak definition” in method 21 shall be the outlet concentration. The probe inlet of the monitoring device shall be placed at approximately the center of the carbon adsorber outlet vent. The probe shall be held there for at least 5 minutes during which flow into the carbon adsorber is expected to occur. The monitoring instrumentation shall be maintained and operated in accordance with manufacturer’s specifications or other written procedures. If the maximum reading after the outlet of the first, second, third, etc., canister (but not the final canister in the series), is above the maximum limit, that canister shall be replaced and the event recorded before the next VOC reading is taken. If the canister is not replaced and the event not recorded, it shall be considered and reported as a deviation. If the VOC concentration from the final canister is above the maximum limit it shall be considered and reported as a deviation.</p>	

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

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: D8.0505	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131
Pollutant: VOC	Main Standard: § 115.132(b)(3)
<b>Monitoring Information</b>	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: The absence of a pilot flame consistent with 60.18 requirements, as determined by monitoring data and/or visual observation will be considered and reported as a deviation.	
Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: D90004	
Control Device ID No.: BX001FL	Control Device Type: Flare
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: STORE
Pollutant: VOC	Main Standard: § 115.112(b)(1)
<b>Monitoring Information</b>	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: DEGREASER1	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R5412-1
Pollutant: VOC	Main Standard: § 115.412(1)
<b>Monitoring Information</b>	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: n/a	
Deviation Limit: Monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of 30 TAC 115.412(1)(A)-(F) shall be considered and reported as a deviation.	
Periodic Monitoring Text: Inspect equipment and record data monthly to ensure compliance with any applicable requirements in § 115.412(1)(A)-(F). Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of § 115.412(1)(A)-(F) shall be considered and reported as a deviation.	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: F-1791	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112
Pollutant: VOC	Main Standard: § 115.112(b)(1)
<b>Monitoring Information</b>	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: n/a	
Deviation Limit: It shall be considered and reported as a deviation if repairs are not completed prior to refilling the storage vessel.	
Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed to ensure that it continues to meet the specifications in the above requirement. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: F-1791	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112
Pollutant: VOC	Main Standard: § 115.112(b)(1)
<b>Monitoring Information</b>	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: Failure to keep records of tank specifications.	
<p>Periodic Monitoring Text: Keep a record of tank construction specifications (e.g. engineering drawings) that show a fill pipe that extends from the top of a tank to have a maximum clearance of six inches (15.2 centimeters) from the bottom or, when the tank is loaded from the side, a discharge opening entirely submerged when the pipe used to withdraw liquid from the tank can no longer withdraw liquid in normal operation.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: F-2002A	
Control Device ID No.: L-2019B	Control Device Type: Flare
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-01
Pollutant: VOC	Main Standard: § 115.112(b)(1)
<b>Monitoring Information</b>	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: F-2002B	
Control Device ID No.: L-2019B	Control Device Type: Flare
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-01
Pollutant: VOC	Main Standard: § 115.112(b)(1)
<b>Monitoring Information</b>	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: F-2003	
Control Device ID No.: L-2019B	Control Device Type: Flare
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-01
Pollutant: VOC	Main Standard: § 115.112(b)(1)
<b>Monitoring Information</b>	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: F-2007	
Control Device ID No.: L-2019B	Control Device Type: Flare
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-01
Pollutant: VOC	Main Standard: § 115.112(b)(1)
<b>Monitoring Information</b>	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: n/a	
Deviation Limit: No pilot flame	
<p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: F-2007	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-1
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
<b>Monitoring Information</b>	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to record fugitive emissions 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.: F-2007	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-1
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
<b>Monitoring Information</b>	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: n/a	
Deviation Limit: Failure to visually inspect all components of the vapor collection system.	
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.: F-2009A	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112
Pollutant: VOC	Main Standard: § 115.112(b)(1)
<b>Monitoring Information</b>	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: n/a	
Deviation Limit: 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 reported as a deviation.	
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.	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: F-2009B	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112
Pollutant: VOC	Main Standard: § 115.112(b)(1)
<b>Monitoring Information</b>	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: n/a	
Deviation Limit: 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 reported as a deviation.	
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.	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: F-2101	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131
Pollutant: VOC	Main Standard: § 115.132(b)(1)
<b>Monitoring Information</b>	
Indicator: VOC Concentration	
Minimum Frequency: Quarterly	
Averaging Period: n/a*	
<p>Deviation Limit: Any VOC monitoring data &gt;500 ppmv for an interface other than a seal around a shaft that passes through a cover opening, or &gt;10,000 ppmv for a seal around a shaft that passes through a cover opening shall be considered and reported as a deviation.</p>	
<p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer to monitor VOC concentration around the immediate area of the compartment in accordance with 40 CFR Part 60, Appendix A, Method 21. Each potential leak interface (i.e., a location where organic vapor leakage could occur) on the cover and associated closure devices shall be checked. Potential leak interfaces that are associated with covers and closure devices include, but are not limited to: the interface of the cover and its foundation mounting; the periphery of any opening on the cover and its associated closure device; and the sealing seat interface on a spring-loaded pressure relief valve. The owner or operator may choose to adjust the detection instrument readings for the background organic concentration level.</p>	
<p>The monitoring instrumentation shall be maintained and operated in accordance with manufacturer's specifications or other written procedures.</p>	
<p>Any monitoring data greater than the maximum VOC limit indicated in the Deviation Limit above shall be considered and reported as a deviation as required by § 122.145(2).</p>	

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

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: F-2301	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112
Pollutant: VOC	Main Standard: § 115.112(b)(1)
<b>Monitoring Information</b>	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: n/a	
Deviation Limit: 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 reported as a deviation.	
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.	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: F-2305	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112
Pollutant: VOC	Main Standard: § 115.112(b)(1)
<b>Monitoring Information</b>	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: n/a	
Deviation Limit: 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 reported as a deviation.	
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.	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRP2TKK	
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-HIVP
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: Except during periods of start-up and shutdown, a deviation will be reported if the floating roof is not floating on the surface of the VOC, liquid has accumulated on top of the floating roof, seals are detached, or there are holes or tears, and these failures are not fixed within 60 days or as specified in 30 TAC Chapter 115.114(b)(1).</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 if these failures are not fixed within 60 days or as specified in 30 TAC Chapter 115.114(b)(1).</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPBOILER	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: R112
Pollutant: SO <sub>2</sub>	Main Standard: § 112.9(a)
<b>Monitoring Information</b>	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: Quarterly and within 24 hours of any fuel change	
Averaging Period: n/a*	
Deviation Limit: Any monitoring data above 0.9 sulfur by weight percent in the fuel shall be considered and reported as a deviation.	
Periodic Monitoring Text: Measure and record the sulfur content of the fuel. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

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

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPBOILER	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-1
Pollutant: PM	Main Standard: § 60.42(a)(1)
<b>Monitoring Information</b>	
Indicator: Visible Emissions	
Minimum Frequency: Quarterly	
Averaging Period: n/a	
Deviation Limit: Maximum opacity = 20% while burning 100% fossil fuel.	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed the permit holder shall either report a deviation or determine visible emissions consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If 100% fossil fuel is fired and the permit holder did not conduct a visible observation of the stationary vent each calendar quarter or if any opacity readings exceed 20%, it shall be considered and reported as a deviation.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRPBOILER	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart D	SOP Index No.: 60D-1
Pollutant: NO <sub>x</sub>	Main Standard: § 60.44(a)(1)
<b>Monitoring Information</b>	
Indicator: NO <sub>x</sub> concentration	
Minimum Frequency: Monthly	
Averaging Period: N/A	
Deviation Limit: Any monitoring data above 0.21 lb/MMBtu derived from gaseous fossil fuel.	
<p>Periodic Monitoring Text: Periodic Monitoring Text: At the minimum frequency as stated above, monitor and record the nitrogen oxide concentration in the exhaust stream using a portable analyzer to monitor nitrogen oxide. The portable analyzer shall be operated in accordance with the Environmental Protection Agency's, Office of Air Quality Planning &amp; Standards, Emission Measurement Center Conditional Test Method - Determination of Oxygen, Carbon Monoxide and Oxides of Nitrogen from Stationary Sources For Periodic Monitoring (Portable Electrochemical Analyzer Procedure) [CTM-034] (September 8, 1999). NO<sub>x</sub> emissions shall be corrected/calculated in units of the underlying applicable emission limitation (e.g. grams per horsepower hour, pounds per MMBtu, pounds per hour, etc.)</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRP-FLGAS2	
Control Device ID No.: 44B	Control Device Type: Other Control Device Type
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: 115B-44B
Pollutant: VOC	Main Standard: § 115.121(b)
<b>Monitoring Information</b>	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: It will be considered and reported as a deviation if monitoring data indicates that fuel gas was sent to the combustion unit while the combustion unit was not operating.	
Periodic Monitoring Text: Monitor and record the periods of operation of the steam generating units or 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.: GRP-FLGAS2	
Control Device ID No.: GRPBOILER	Control Device Type: Steam Generating Unit (Boiler)/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.: 115B-BLR
Pollutant: VOC	Main Standard: § 115.121(b)
<b>Monitoring Information</b>	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: It will be considered and reported as a deviation if monitoring data indicates that fuel gas was sent to the combustion unit while the combustion unit was not operating.	
Periodic Monitoring Text: Monitor and record the periods of operation of the steam generating units or 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.: GRP-FLGAS2	
Control Device ID No.: 115B-FURN	Control Device Type: Steam Generating Unit (Boiler)/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.: 115B-FURN
Pollutant: VOC	Main Standard: § 115.121(b)
<b>Monitoring Information</b>	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: It will be considered and reported as a deviation if monitoring data indicates that fuel gas was sent to the combustion unit while the combustion unit was not operating.	
Periodic Monitoring Text: Monitor and record the periods of operation of the steam generating units or 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.: GRP-FUELGAS	
Control Device ID No.: 44B	Control Device Type: Other Control Device Type
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: 115B-44B
Pollutant: VOC	Main Standard: § 115.121(b)
<b>Monitoring Information</b>	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: It will be considered and reported as a deviation if monitoring data indicates that fuel gas was sent to the combustion unit while the combustion unit was not operating.	
Periodic Monitoring Text: Monitor and record the periods of operation of the steam generating units or 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.: GRP-FUELGAS	
Control Device ID No.: GRPBOILER	Control Device Type: Steam Generating Unit (Boiler)/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.: 115B-BLR
Pollutant: VOC	Main Standard: § 115.121(b)
<b>Monitoring Information</b>	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: It will be considered and reported as a deviation if monitoring data indicates that fuel gas was sent to the combustion unit while the combustion unit was not operating.	
Periodic Monitoring Text: Monitor and record the periods of operation of the steam generating units or 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.: GRP-FUELGAS	
Control Device ID No.: GRP-FURN	Control Device Type: Steam Generating Unit (Boiler)/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.: 115B-FURN
Pollutant: VOC	Main Standard: § 115.121(b)
<b>Monitoring Information</b>	
Indicator: Period of Operation	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: It will be considered and reported as a deviation if monitoring data indicates that fuel gas was sent to the combustion unit while the combustion unit was not operating.	
Periodic Monitoring Text: Monitor and record the periods of operation of the steam generating units or 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.: L-2101	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131
Pollutant: VOC	Main Standard: § 115.132(b)(3)
<b>Monitoring Information</b>	
Indicator: Carbon Replacement Interval	
Minimum Frequency: At each replacement of carbon canister	
Averaging Period: n/a	
Deviation Limit: Any carbon replacement records indicating that the actual carbon replacement interval exceeds 36 months shall be considered and reported as a deviation.	
Periodic Monitoring Text: Monitor and record the replacement time interval of the carbon canister(s), as determined by the maximum design flow rate and organic concentration in the gas stream vented to the carbon adsorption system. Any data, collected for a period which exceeds the maximum carbon replacement interval shall be considered and reported as a deviation.	

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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		
44A	N/A	40 CFR Part 63, Subpart YYYY	Existing stationary combustion turbine not constructed or reconstructed after 1/14/2003
44B	N/A	30 TAC Chapter 112, Sulfur Compounds	Unit does not burn liquid fuel.
D50001	N/A	30 TAC Chapter 115, Storage of VOCs	Located in Gregg, Nueces, or Victoria Counties, TVP < 1.5 psia, Capacity < 1000 gallons
D50001	N/A	40 CFR Part 60, Subpart Kb	Storage vessels with design capacity less than 75 m3 are exempt from NSPS Kb.
D50001	N/A	40 CFR Part 63, Subpart F	Tank capacity is less than 38 m3.
D50003	N/A	40 CFR Part 60, Subpart Ka	Capacity < 40,000 gallons
D50003	N/A	40 CFR Part 63, Subpart F	Tank capacity is less than 38 m3.
D50003	N/A	40 CFR Part 63, Subpart YY	Tank does not store liquid containing organic HAP
D50009	N/A	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids
D50009	N/A	40 CFR Part 63, Subpart F	Tank capacity is less than 38 m3.
D50009	N/A	40 CFR Part 63, Subpart YY	Vessel not associated with an ethylene production unit.
D50501	N/A	40 CFR Part 60, Subpart Ka	Does not store 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		
D6.0001	N/A	40 CFR Part 63, Subpart Q	Has not operated with chromium-based water treatment chemicals after 9/8/94
D8.0505	N/A	40 CFR Part 63, Subpart VV	Facility does not control air emissions from an oil-water and organic-water separator for which another subpart of 40 CFR 60, 61, or 63 references
D9.0006	N/A	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids
D90004	N/A	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids
DEGREASER <sub>2</sub>	N/A	30 TAC Chapter 115, Degassing or Cleaning Vessels	The remote reservoir cold solvent cleaner uses a solvent with a TVP ≤ 0.6 psia at 100 degrees F with a drain area < 16 in <sup>2</sup> and is properly disposed of in enclosed containers
DMF9006	N/A	40 CFR Part 60, Subpart Kb	Tank has a capacity less than 151 m <sup>3</sup> and stores material with a vapor pressure less than 15kPa
F-1790	N/A	40 CFR Part 60, Subpart Kb	Storage vessels with the design capacity less than 75 m <sup>3</sup> are exempt from NSPS Kb.
F-1791	N/A	40 CFR Part 60, Subpart K	Capacity < 40,000 gallons
F-1791	N/A	40 CFR Part 63, Subpart F	Storage vessel does not belong to a HON CMPU

## Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
F-2002A	N/A	40 CFR Part 63, Subpart F	Storage vessel does not belong to a HON CMPU
F-2002B	N/A	40 CFR Part 63, Subpart F	Storage vessel does not belong to a HON CMPU
F-2003	N/A	40 CFR Part 60, Subpart Kb	MACT YY storage vessels are not required to comply with NSPS Kb.
F-2007	N/A	40 CFR Part 63, Subpart F	Storage vessel does not belong to a HON CMPU
F-2008	N/A	40 CFR Part 60, Subpart Kb	MACT YY storage vessels are not required to comply with NSPS Kb.
F-2009A	N/A	40 CFR Part 60, Subpart Kb	HON Group 1 or 2 storage vessels are not required to comply with NSPS Kb
F-2009B	N/A	40 CFR Part 60, Subpart Kb	HON Group 1 or 2 storage vessels are not required to comply with NSPS Kb
F-2017A	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC
F-2017A	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
F-2017A	N/A	40 CFR Part 63, Subpart F	Tank stores liquid that does not include any organic HAP except as impurity
F-2017A	N/A	40 CFR Part 63, Subpart YY	Tank does not store liquid containing organic HAP

## Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
F-2017B	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOC
F-2017B	N/A	40 CFR Part 60, Subpart Kb	Not storing a VOL
F-2017B	N/A	40 CFR Part 63, Subpart F	Tank stores liquid that does not include any organic HAP except as impurity
F-2017B	N/A	40 CFR Part 63, Subpart YY	Tank does not store liquid containing organic HAP
F-2101	N/A	40 CFR Part 63, Subpart VV	Facility does not control air emissions from an oil-water and organic-water separator for which another subpart of 40 CFR 60, 61, or 63 references
F-2102C	N/A	40 CFR Part 60, Subpart Kb	MACT YY storage vessels are not required to comply with NSPS Kb.
F-2104	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
F-2104	N/A	40 CFR Part 63, Subpart F	Storage vessel does not belong to a HON CMPU
F-2113	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids
F-2301	N/A	40 CFR Part 60, Subpart Kb	MACT YY storage vessels are not required to comply with NSPS Kb.
F-2305	N/A	40 CFR Part 60, Subpart Kb	MACT YY storage vessels are not required to comply with NSPS Kb.

## Permit Shield

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

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
F-2603	N/A	40 CFR Part 60, Subpart K	Capacity <40,000 gallons
F-2603	N/A	40 CFR Part 63, Subpart F	Storage vessel does not belong to a HON CMPU
F-2603	N/A	40 CFR Part 63, Subpart YY	Vessel not associated with an ethylene production unit.
GRP-DECOKE	L-1663A, L-1663B	30 TAC Chapter 112, Sulfur Compounds	Heater does not fire liquid fuel.
GRPDIST	HC5444, HCV5904, HCV5910, HCV5915, HCV5916, PCV5659	40 CFR Part 60, Subpart NNN	Facility constructed/reconstructed/modified prior to December 30,1983
GRP-FURN	B-1601A, B-1601B, B-1601C, B-1601D, B-1601E, B-1601F, B-1601G, B-1601H, B-1601J, B-1601K, B-1601L, B-1601M, B-1601N, B-1602A, B-1602B, B-1604A, B-1604B, B-1705, B-1706, B-1801, B-1851, B-1852	30 TAC Chapter 112, Sulfur Compounds	Heater does not fire liquid fuel.
GRPLHPTK	F-1789X, F-2005	40 CFR Part 60, Subpart K	Does not store petroleum liquids
GRPLHPTK	F-1789X, F-2005	40 CFR Part 63, Subpart F	Storage vessel does not belong to a HON CMPU
GRPLLPTK	F-2010A, F-2010B, FA-1663	40 CFR Part 60, Subpart K	Does not store 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		
GRPLLPTK	F-2010A, F-2010B, FA-1663	40 CFR Part 63, Subpart F	Storage vessel does not belong to a HON CMPU
GRPMHPTK	F-2102A, F-2102B	40 CFR Part 60, Subpart K	Capacity < 40,000 gallons
GRPMHPTK	F-2102A, F-2102B	40 CFR Part 63, Subpart F	Storage vessel does not belong to a HON CMPU
GRPReact	D-1701VNT, D-1704VNT, HX5902, PC8787, VT-ADBRX	40 CFR Part 60, Subpart RRR	Construction date before 6/29/90
GRPSMPTK	F-1826, F-2602A, FA-1783, FA-1784, N81504	40 CFR Part 60, Subpart K	Capacity < 40,000 gallons
GRPSMPTK	F-1826, F-2602A, FA-1783, FA-1784, N81504	40 CFR Part 63, Subpart F	Storage vessel does not belong to a HON CMPU
GRPSMPTK	F-1826, F-2602A, FA-1783, FA-1784, N81504	40 CFR Part 63, Subpart YY	Vessel not associated with an ethylene production unit.
L-2010	N/A	40 CFR Part 63, Subpart Q	Has not operated with chromium-based water treatment chemicals after 9/8/94
L-2019B	N/A	40 CFR Part 63, Subpart A	Flare does not control streams from sources regulated by 40 CFR Part 63.
L-2101	N/A	40 CFR Part 63, Subpart VV	Facility does not control air emissions from a separator referenced by another subpart of 40 CFR Parts 60, 61, or 63

### 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		
PRO-GHU	N/A	40 CFR Part 63, Subpart F	Process unit does not manufacture as a primary product one or more of the chemicals listed in 63.100(b)(1)(i) or 63.100(b)(1)(ii)
PRO-OLEFIN	N/A	40 CFR Part 63, Subpart F	Process unit does not manufacture as a primary product one or more of the chemicals listed in 63.100(b)(1)(i) or 63.100(b)(1)(ii)

**New Source Review Authorization References**

**New Source Review Authorization References ..... 117**

**New Source Review Authorization References by Emission Unit..... 119**

## 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.: PSDTX1120	Issuance Date: 11/02/2012
PSD Permit No.: PSDTX732M1	Issuance Date: 05/30/2013
PSD Permit No.: PSDTX761M3	Issuance Date: 04/16/2014
<b>Prevention of Significant Deterioration (PSD) Permit for GHG Emissions</b>	
PSD Permit No.: PSDTX761GHG	Issuance Date: 04/16/2014
<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.: 18358	Issuance Date: 05/30/2013
Authorization No.: 4682B	Issuance Date: 04/16/2014
Authorization No.: 6745B	Issuance Date: 11/18/2008
Authorization No.: 83864	Issuance Date: 11/02/2012
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 106.103	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 12/24/1998
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.264	Version No./Date: 09/04/2000
Number: 106.355	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.373	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 03/14/1997
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 07/08/1998
Number: 106.454	Version No./Date: 11/01/2001

## **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.

Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.475	Version No./Date: 09/04/2000
Number: 106.476	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001
Number: 106.532	Version No./Date: 09/04/2000
Number: 8	Version No./Date: 05/05/1976

## New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
44A	COGEN TURBINE	18358, PSDTX732M1
44B	COGEN DUCT BURNER/HRSG	18358, PSDTX732M1
44	COGEN STACK	18358, PSDTX732M1
4A/B/C/D	HP BOILER STACK	4682B, PSDTX761M3
AC1	AC1	4682B, PSDTX761M3
AC2	AC2	4682B, PSDTX761M3
B-1601A	USC FURNACE A	4682B, PSDTX761M3
B-1601AVNT	FUEL GAS TO USC FURNACE A	4682B, PSDTX761M3
B-1601B	USC FURNACE B	4682B, PSDTX761M3
B-1601BVNT	FUEL GAS TO USC FURNACE B	4682B, PSDTX761M3
B-1601C	USC FURNACE C	4682B, PSDTX761M3
B-1601CVNT	FUEL GAS TO USC FURNACE C	4682B, PSDTX761M3
B-1601D	USC FURNACE D	4682B, PSDTX761M3
B-1601DVNT	FUEL GAS TO USC FURNACE D	4682B, PSDTX761M3
B-1601E	USC FURNACE E	4682B, PSDTX761M3
B-1601EVNT	FUEL GAS TO USC FURNACE E	4682B, PSDTX761M3
B-1601F	USC FURNACE F	4682B, PSDTX761M3
B-1601FVNT	FUEL GAS TO USC FURNACE F	4682B, PSDTX761M3

## New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
B-1601G	USC FURNACE G	4682B, PSDTX761M3
B-1601GVNT	FUEL GAS TO USC FURNACE G	4682B, PSDTX761M3
B-1601H	USC FURNACE H	4682B, PSDTX761M3
B-1601HVNT	FUEL GAS TO USC FURNACE H	4682B, PSDTX761M3
B-1601J	USC FURNACE J	4682B, PSDTX761M3
B-1601JVNT	FUEL GAS TO USC FURNACE J	4682B, PSDTX761M3
B-1601K	USC FURNACE K	4682B, PSDTX761M3
B-1601KVNT	FUEL GAS TO USC FURNACE K	4682B, PSDTX761M3
B-1601L	USC FURNACE L	4682B, PSDTX761M3
B-1601LVNT	FUEL GAS TO USC FURNACE L	4682B, PSDTX761M3
B-1601M	USC FURNACE M	4682B, PSDTX761M3
B-1601MVNT	FUEL GAS TO USC FURNACE M	4682B, PSDTX761M3
B-1601N	USC FURNACE N	4682B, PSDTX761M3
B-1601NVNT	FUEL GAS TO USC FURNACE N	4682B, PSDTX761M3
B-1602A	VMR FURNACE A	4682B, PSDTX761M3
B-1602AVNT	FUEL GAS TO VMR FURNACE A	4682B, PSDTX761M3
B-1602B	VMR FURNACE B	4682B, PSDTX761M3
B-1602BVNT	FUEL GAS TO VMR FURNACE B	4682B, PSDTX761M3

### New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
B-1603A	HP BOILER A	4682B, PSDTX761M3
B-1603AVNT	FUEL GAS TO HP BOILER A	4682B, PSDTX761M3
B-1603B	HP BOILER B	4682B, PSDTX761M3
B-1603BVNT	FUEL GAS TO HP BOILER B	4682B, PSDTX761M3
B-1603C	HP BOILER C	4682B, PSDTX761M3
B-1603CVNT	FUEL GAS TO HP BOILER C	4682B, PSDTX761M3
B-1603D	HP BOILER D	4682B, PSDTX761M3
B-1603DVNT	FUEL GAS TO HP BOILER D	4682B, PSDTX761M3
B-1604A	STEAM SUPERHEATER A	4682B, PSDTX761M3
B-1604AVNT	FUEL GAS TO STEAM SUPERHEATER A	4682B, PSDTX761M3
B-1604B	STEAM SUPERHEATER B	4682B, PSDTX761M3
B-1604BVNT	FUEL GAS TO STEAM SUPERHEATER B	4682B, PSDTX761M3
B-1705	CAT. REACTIVATION FURNACE	4682B, PSDTX761M3
B-1705VNT	FUEL GAS TO CAT. REACTIVATION FURNACE	4682B, PSDTX761M3
B-1706	DRIER REGEN HEATER	4682B, PSDTX761M3
B-1706VNT	FUEL GAS TO DRIER REGEN. HEATER	4682B, PSDTX761M3
B-1801	2ND STAGE HDA HEATER	4682B, PSDTX761M3
B-1801VNT	FUEL GAS TO 2ND STAGE HDA FEED HEATER	4682B, PSDTX761M3

### New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
B-1851	HDA FEED HEATER	4682B, PSDTX761M3
B-1851VNT	FUEL GAS TO HDA FEED HEATER	4682B, PSDTX761M3
B-1852	HDA RECYCLE HEATER	4682B, PSDTX761M3
B-1852VNT	FUEL GAS TO HDA RECYCLE HEATER	4682B, PSDTX761M3
BIPHNLTRK	BIPHENYL TRUCK RACK	106.473/09/04/2000
BX001FL	BUTADIENE PRODUCTION UNIT FLARE	6745B, 83864, PSDTX1120
BX001FLVNT	BDU FLARE VENT HEADER	6745B
D-1701VNT	C2 ACETYLENE ISO REACTOR VENT	4682B, PSDTX761M3
D-1704VNT	C3 HYDROGENATION REACTOR VENT	4682B, PSDTX761M3
D50001	TOLUENE TANK	6745B
D50003	CHEMICAL A TANK (FURFURAL)	6745B
D50009	SLOP OIL TANK	6745B
D50501	WASTEWATER HOLDING TANK	6745B, 106.472/09/04/2000
D6.0001	BDU COOLING TOWER	6745B
D8.0505	CLOSED DRAIN TANK	6745B, 106.472/09/04/2000
D9.0006	DMF TANK	6745B
D90004	TURN-AROUND WASTEWATER TANK	6745B, 106.472/09/04/2000
DEGREASER1	MACHINE SHOP DEGREASER	106.454/07/08/1998

## New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
DEGREASER <sub>2</sub>	MECHANIC SHOP DEGREASER	106.454/07/08/1998
DMF9006	TOLUENE TANK	4682B, PSDTX761M3
E-1606	NESHAP STRIPPER	4682B, PSDTX761M3
E-1719	DEMETHANIZER TOWER	4682B, PSDTX761M3
E-1720	RESIDUE RECTIFIER	4682B, PSDTX761M3
F-1608	STRIPPER FEED TANK	4682B, PSDTX761M3
F-1609	STRIPPER OVERHEAD DRUM	4682B, PSDTX761M3
F-1762	CAUSTIC TOWER SKIMMING VENT	4682B, PSDTX761M3
F-1789X	WASH OIL TANK	4682B, PSDTX761M3
F-1790	LUBE OIL TANK	4682B, PSDTX761M3
F-1791	METHANOL TANK	4682B, PSDTX761M3
F-1826	CHEMICAL EC3053 TANK	106.472/09/04/2000
F-2001A	FEEDSTOCK TANK	4682B, PSDTX761M3
F-2001B	FEEDSTOCK TANK	4682B, PSDTX761M3
F-2001C	FEEDSTOCK TANK	4682B, PSDTX761M3
F-2002A	STORAGE TANK	4682B, PSDTX761M3
F-2002B	STORAGE TANK	4682B, PSDTX761M3
F-2003	PRESSURE VESSEL 2003	4682B, PSDTX761M3

### New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
F-2005	RAW PYROLYSIS GASOLINE TANK	4682B, PSDTX761M3
F-2007	STORAGE TANK	4682B, PSDTX761M3
F-2008	HDA TANK	4682B, PSDTX761M3
F-2009A	BENZENE TANK	4682B, PSDTX761M3
F-2009B	BENZENE TANK	4682B, PSDTX761M3
F-2010A	HEAVY FUEL OIL TANK	4682B, PSDTX761M3
F-2010B	HEAVY FUEL OIL TANK	4682B, PSDTX761M3
F-2015	NAPHTHA FEED TANK	4682B, PSDTX761M3
F-2016	KEROSENE FEED TANK	4682B, PSDTX761M3
F-2017A	WASTEWATER TANK #1	4682B, PSDTX761M3
F-2017B	WASTEWATER TANK #2	4682B, PSDTX761M3
F-2101	OILY WATER HOLDING TANK	4682B, PSDTX761M3
F-2102A	C9 GASOLINE TANK A	4682B, PSDTX761M3
F-2102B	C9 GASOLINE TANK B	4682B, PSDTX761M3
F-2102C	SLOP OIL TANK	4682B, PSDTX761M3
F-2104	RECOVERED OIL TANK	4682B, PSDTX761M3
F-2113	HOT WATER BELT TANK	4682B, PSDTX761M3
F-2301	SPENT CAUSTIC WASTEWATER TANK	4682B, PSDTX761M3

## New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
F-2305	SPENT CAUSTIC WASTEWATER TANK	4682B, PSDTX761M3
F-2602A	DIESEL FUELING TANKS	4682B, 106.472/09/04/2000, PSDTX761M3
F-2603	GASOLINE FUELING TANKS	4682B, 106.472/09/04/2000, PSDTX761M3
FA-1663	LIGHT FUEL OIL TANK	4682B, PSDTX761M3
FA-1783	EXXON/NALCO CHEM. 3205A TANK	106.472/09/04/2000
FA-1784	EXXON/NALCO CHEM. 3053 TANK	106.472/09/04/2000
FUGITIVES	ALL CORPUS CHRISTI PLANT FUGITIVES	4682B, PSDTX761M3
G-1704A	COALESCER	4682B, PSDTX761M3
G-1704B	COALESCER	4682B, PSDTX761M3
HC5444	DEPENTANIZER OVERHEAD VENT	4682B, PSDTX761M3
HCV5904	HDA STABILIZER VENT	4682B, PSDTX761M3
HCV5910	BENZENE TOWER VENT	4682B, PSDTX761M3
HCV5915	DEOCTANIZER OVERHEAD VENT	4682B, PSDTX761M3
HCV5916	E-1854 HDA RECYCLE TOWER VENT	4682B, PSDTX761M3
HX5902	F-1851 HDA RX EFF. FLASH DRUM VENT	4682B, PSDTX761M3
L-1663A	DECOKING CYCLONE	4682B, PSDTX761M3
L-1663B	DECOKING CYCLONE	4682B, PSDTX761M3
L-2010	OLEFINS COOLING TOWER	4682B, 8/05/05/1976, PSDTX761M3

### New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
L-2019A	HOT FLARE	4682B, PSDTX761M3
L-2019AVNT	HOT FLARE VENT HEADER	4682B, PSDTX761M3
L-2019B	COLD FLARE	4682B, PSDTX761M3
L-2019BVNT	COLD FLARE VENT HEADER	4682B, PSDTX761M3
L-2101	OILY SEPARATOR	4682B, PSDTX761M3
L43	FUEL OIL TRUCK LOADING	4682B, PSDTX761M3
N81504	CHEMICAL EC1107A TANK	106.472/09/04/2000
PC8787	CO METHANATOR VENT	4682B, PSDTX761M3
PCV5659	RECYCLE TOWER DRUM VENT	4682B, PSDTX761M3
PRO-BDU	BUTADIENE PRODUCTION UNIT	6745B
PRO-GHU	GASOLINE HYDROGENATION UNIT	4682B, PSDTX761M3
PRO-HDA	HDA/BENZENE PRODUCTION UNIT	4682B, PSDTX761M3
PRO-OLEFIN	OLEFINS FRACTIONATION & SEPARATION	4682B, PSDTX761M3
REGVUNLOAD	UNLOADING	4682B, PSDTX761M3
VT-ADBRX	C2 ADIABATIC REACTOR DEPRESSR. VENT	4682B, PSDTX761M3

### New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
1A	USC Furnace A – Cracking Furnace	PSDTX761GHG
1B	USC Furnace B – Cracking Furnace	PSDTX761GHG
1C	USC Furnace C – Cracking Furnace	PSDTX761GHG
1D	USC Furnace D – Cracking Furnace	PSDTX761GHG
1E	USC Furnace E – Cracking Furnace	PSDTX761GHG
1F	USC Furnace F – Cracking Furnace	PSDTX761GHG
1G	USC Furnace G – Cracking Furnace	PSDTX761GHG
1H	USC Furnace H – Cracking Furnace	PSDTX761GHG
1J	USC Furnace J – Cracking Furnace	PSDTX761GHG
1K	USC Furnace K – Cracking Furnace	PSDTX761GHG
1 L	USC Furnace L – Cracking Furnace	PSDTX761GHG
1M	USC Furnace M – Cracking Furnace	PSDTX761GHG
1N	USC Furnace N – Cracking Furnace	PSDTX761GHG
3A	VMR Furnace A – Cracking Furnace	PSDTX761GHG
3B	VMR Furnace B – Cracking Furnace	PSDTX761GHG
5A	Steam Superheater A	PSDTX761GHG
5B	Steam Superheater B	PSDTX761GHG

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

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

<b>Unit/Group/Process ID No.</b>	<b>Emission Unit Name/Description</b>	<b>New Source Review Authorization</b>
9A 9B	South & North Decoking Cyclones – Decoking Pots	PSDTX761GHG
FUG	Fugitive Process Emissions	PSDTX761GHG
10 DBN MSS	Elevated Flare – MSS	PSDTX761GHG

**Appendix A**

**Acronym List ..... 130**

## Acronym List

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

ACFM	.....	actual cubic feet per minute
AMOC	.....	alternate means of control
ARP	.....	Acid Rain Program
ASTM	.....	American Society of Testing and Materials
B/PA	.....	Beaumont/Port Arthur (nonattainment area)
CAM	.....	Compliance Assurance Monitoring
CD	.....	control device
COMS	.....	continuous opacity monitoring system
CVS	.....	closed-vent system
D/FW	.....	Dallas/Fort Worth (nonattainment area)
DR	.....	Designated Representative
ELP	.....	El Paso (nonattainment area)
EP	.....	emission point
EPA	.....	U.S. Environmental Protection Agency
EU	.....	emission unit
FCAA Amendments	.....	Federal Clean Air Act Amendments
FOP	.....	federal operating permit
GF	.....	grandfathered
gr/100 scf	.....	grains per 100 standard cubic feet
HAP	.....	hazardous air pollutant
H/G/B	.....	Houston/Galveston/Brazoria (nonattainment area)
H <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.....132**

## Major NSR Summary Table

Permit Number: 83864 and PSD: PSDTX1120				Issuance Date: 10/24/2012			
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.
BX001FL, 10 & 11	Maintenance, Startup and Shutdown (MSS) Process Equipment and Vessel Flaring Activities	CO	721.67	54.97	3, 4, 12	1, 2, 3, 10, 11, 12, 13, 14	
		H2S	0.27	0.02			
		NOX	138.78	10.57			
		SO2	92.79	6.14			
		VOC	1132.54	67.86			
MSS-ATM	MSS Excluding Flaring Activities	CO	2.63	0.13	3, 4, 5, 6, 7, 12	1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	
		H2S	0.15	0.03			
		NOX	1.39	0.08			
		PM/PM10	0.04	0.01			
		SO2	0.15	0.03			
		VOC	68.88	18.2			

**Footnotes:**

(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

H2S - hydrogen sulfide

NOX - total oxides of nitrogen

PM - total particulate matter, suspended in the atmosphere, including PM10 and PM2.5 as represented

PM10 - total particulate matter equal to or less than 10 microns in diameter, including PM2.5 as represented

PM2.5 - particulate matter equal to or less than 2.5 microns in diameter

SO2 - sulfur dioxide

VOC - Volatile organic compounds as defined in Title 30 Texas Administrative Code 101.1

(4) Compliance with annual emission limits (tons per year) is based on 12-month rolling period.

(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

## Major NSR Summary Table

Permit Number: Permit: 18358 and PSD: PSDTX732M1			Issuance Date: 05/30/2013				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**			
<b>Case I: Natural Gas or Plant Gas Firing; Duct Burner Fired</b>							
44	37 MW Gas Turbine and 223 MMBtu/hr Fired Duct Burner	VOC	7.4	28	2, 6, 7, 10, 11, 12	2, 7, 11, 14	2, 7, 8, 9, 15
		NOX	153.1	601			
		SO2	0.54	2.2			
		PM10	5.2	23			
		CO	21.1	88			
<b>Case II: Natural Gas or Plant Fuel Gas Firing; Duct Burner Unfired</b>							
44	37 MW Gas Turbine	VOC	7	26	2, 6, 7, 10, 11, 12	2, 7, 11, 14	2, 7, 8, 9, 15
		NOX	130	499			
		SO2	0.4	1.5			
		PM10	3.9	17			
		CO	11	44			
<b>Case III: Fuel Oil Firing; Duct Burner Fired</b>							
44	37 MW Gas Turbine and 223 MMBtu/hr Fired Duct Burner	VOC	7.4	28	2, 6, 7, 10, 11, 12	2, 7, 11, 14	2, 7, 8, 9, 15
		NOX	167.7	675			
		SO2	112.2	455			
		PM10	20	88			
		CO	18.4	77			
		H2SO4	5.6	20.3			
		Be	0.0093	0.038			
		As	0.037	0.15			
		Cd	0.037	0.15			
		Cr	0.037	0.15			
		F	0.037	0.15			
		Pb	0.037	0.15			
		Hg	0.037	0.15			
		Mn	0.037	0.15			
		Ni	0.037	0.15			
		Se	0.037	0.15			
V	0.037	0.15					

Case IV: Fuel Oil Firing; Duct Burner Unfired							
44	37 MW Gas Turbine	VOC	7	26	2, 6, 7, 10, 11, 12	2, 7, 11, 14	2, 7, 8, 9, 15
		NOX	137	539			
		SO2	80.7	315			
		PM10	17	75			
		CO	11	44			
		H2SO4	5	17.5			
		Be	0.0067	0.026			
		As	0.027	0.11			
		Cd	0.027	0.11			
		Cr	0.027	0.11			
		F	0.027	0.11			
		Pb	0.027	0.11			
		Hg	0.027	0.11			
		Mn	0.027	0.11			
		Ni	0.027	0.11			
Se	0.027	0.11					
V	0.027	0.11					

Footnotes:

- 1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- 2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- 3) VOC - volatile organic compounds as defined in 30 TAC 101.1

IOC-U - inorganic compounds (unspeciated)

NOX - total oxides of nitrogen

SO2 - sulfur dioxide

PM - particulate matter, suspended in the atmosphere including PM10

PM10 - particulate matter equal to or less than 10 microns in diameter. Where PM is listed, it shall be assumed that no particle greater than 10 microns is emitted.

CO - carbon monoxide

Be - beryllium

As - arsenic

F - fluoride

Pb - lead

Cd - cadmium

Cr - chromium

Hg - mercury

Mn - manganese

Ni - nickel

Se - selenium

V - vanadium

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

24 Hrs/day      7 Days/week      52 Weeks/year      8760 Hrs/year

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

## Major NSR Summary Table

Permit Numbers: 4682B and PSDTX761M3					Issuance Date: 04/16/2014		
Emission Point Number <sup>(1)</sup> (EPN)	Source Name <sup>(2)</sup>	Air Contaminant Name <sup>(3)</sup>	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	(TPY) <sup>(4)</sup>	Spec. Cond.	Spec. Cond.	Spec. Cond.
1A	USC Furnace A	CO <sup>(9)</sup> NO <sub>x</sub> PM PM <sub>2.5</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	6.74 11.28 0.94 0.94 0.94 0.11 1.01	29.52 49.41 4.12 4.12 4.12 0.48 4.44	6, 12, 13	12, 13, 14	11, 12, 13
1A (13)	USC Furnace A	CO <sup>(9)</sup> NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	11.98 27.1 1.08 0.09 0.78	52.48 118.71 4.75 0.39 3.44	12	12, 14	11, 12
1B	USC Furnace B	CO <sup>(9)</sup> NO <sub>x</sub> PM PM <sub>2.5</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	6.74 11.28 0.94 0.94 0.94 0.11 1.01	29.52 49.41 4.12 4.12 4.12 0.48 4.44	6, 12, 13	12, 13, 14	11, 12, 13
1B (13)	USC Furnace B	CO <sup>(9)</sup> NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	11.98 27.1 1.08 0.09 0.78	52.48 118.71 4.75 0.39 3.44	12	12, 14	11, 12
1C	USC Furnace C	CO <sup>(9)</sup> NO <sub>x</sub> PM PM <sub>2.5</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	10.40 17.40 1.45 1.45 1.45 0.17 1.56	45.54 76.21 6.35 6.35 6.35 0.75 6.85	6, 12, 13	12, 13, 14	11, 12, 13
1C (13)	USC Furnace C	CO <sup>(9)</sup> NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	11.98 27.1 1.08 0.09 0.78	52.48 118.71 4.75 0.39 3.44	12	12, 14	11, 12
1D	USC Furnace D	CO <sup>(9)</sup> NO <sub>x</sub> PM PM <sub>2.5</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	10.40 17.40 1.45 1.45 1.45 0.17 1.56	45.54 76.21 6.35 6.35 6.35 0.75 6.85	6, 12, 13	12, 13, 14	11, 12, 13
1D (13)	USC Furnace D	CO <sup>(9)</sup> NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	11.98 27.1 1.08 0.09 0.78	52.48 118.71 4.75 0.39 3.44	12	12, 14	11, 12

Permit Numbers: 4682B and PSDTX761M3

Issuance Date: 04/16/2014

Emission Point Number <sup>(1)</sup> (EPN)	Source Name <sup>(2)</sup>	Air Contaminant Name <sup>(3)</sup>	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	(TPY) <sup>(4)</sup>	Spec. Cond.	Spec. Cond.	Spec. Cond.
1E	USC Furnace E	CO <sup>(9)</sup> NO <sub>x</sub> PM PM <sub>2.5</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	10.40 17.40 1.45 1.45 1.45 0.17 1.56	45.54 76.21 6.35 6.35 6.35 0.75 6.85	6, 12, 13	12, 13, 14	11, 12, 13
1E (13)	USC Furnace E	CO <sup>(9)</sup> NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	11.98 27.1 1.08 0.09 0.78	52.48 118.71 4.75 0.39 3.44	12	12, 14	11, 12
1F	USC Furnace F	CO <sup>(9)</sup> NO <sub>x</sub> PM PM <sub>2.5</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	10.40 17.40 1.45 1.45 1.45 0.17 1.56	45.54 76.21 6.35 6.35 6.35 0.75 6.85	6, 12, 13	12, 13, 14	11, 12, 13
1F (13)	USC Furnace F	CO <sup>(9)</sup> NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	11.98 27.1 1.08 0.09 0.78	52.48 118.71 4.75 0.39 3.44	12	12, 14	11, 12
1G	USC Furnace G	CO <sup>(9)</sup> NO <sub>x</sub> PM PM <sub>2.5</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	10.40 17.40 1.45 1.45 1.45 0.17 1.56	45.54 76.21 6.35 6.35 6.35 0.75 6.85	6, 12, 13	12, 13, 14	11, 12, 13
1G (13)	USC Furnace G	CO <sup>(9)</sup> NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	11.98 27.1 1.08 0.09 0.78	52.48 118.71 4.75 0.39 3.44	12	12, 14	11, 12
1H	USC Furnace H	CO <sup>(9)</sup> NO <sub>x</sub> PM PM <sub>2.5</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	10.40 17.40 1.45 1.45 1.45 0.17 1.56	45.54 76.21 6.35 6.35 6.35 0.75 6.85	6, 12, 13	12, 13, 14	11, 12, 13
1H (13)	USC Furnace H	CO <sup>(9)</sup> NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	11.98 27.1 1.08 0.09 0.78	52.48 118.71 4.75 0.39 3.44	12	12, 14	11, 12
1J	USC Furnace J	CO <sup>(9)</sup> NO <sub>x</sub> PM PM <sub>2.5</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	10.40 17.40 1.45 1.45 1.45 0.17 1.56	45.54 76.21 6.35 6.35 6.35 0.75 6.85	6, 12, 13	12, 13, 14	11, 12, 13

Emission Point Number <sup>(1)</sup> (EPN)	Source Name <sup>(2)</sup>	Air Contaminant Name <sup>(3)</sup>	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	(TPY) <sup>(4)</sup>	Spec. Cond.	Spec. Cond.	Spec. Cond.
1J (13)	USC Furnace J	CO <sup>(9)</sup> NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	11.98 27.1 1.08 0.09 0.78	52.48 118.71 4.75 0.39 3.44	12	12, 14	11, 12
1K	USC Furnace K	CO <sup>(9)</sup> NO <sub>x</sub> PM PM <sub>2.5</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	6.74 11.28 0.94 0.94 0.94 0.11 1.01	29.52 49.41 4.12 4.12 4.12 0.48 4.44	6, 12, 13	12, 13, 14	11, 12, 13
1K (13)	USC Furnace K	CO <sup>(9)</sup> NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	11.98 27.1 1.08 0.09 0.78	52.48 118.71 4.75 0.39 3.44	12	12, 14	11, 12
1L	USC Furnace L	CO <sup>(9)</sup> NO <sub>x</sub> PM PM <sub>2.5</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	6.74 11.28 0.94 0.94 0.94 0.11 1.01	29.52 49.41 4.12 4.12 4.12 0.48 4.44	6, 12, 13	12, 13, 14	11, 12, 13
1L (13)	USC Furnace L	CO <sup>(9)</sup> NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	11.98 27.1 1.08 0.09 0.78	52.48 118.71 4.75 0.39 3.44	12	12, 14	11, 12
1M	USC Furnace M	CO <sup>(9)</sup> NO <sub>x</sub> PM PM <sub>2.5</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	10.40 17.40 1.45 1.45 1.45 0.17 1.56	45.54 76.21 6.35 6.35 6.35 0.75 6.85	6, 12, 13	12, 13, 14	11, 12, 13
1M (13)	USC Furnace M	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	20.36 27.3 1.84 0.15 1.33	89.19 119.58 8.07 0.67 5.84	6, 12, 13	12, 13, 14	11, 12, 13
1N	USC Furnace N	CO <sup>(9)</sup> NO <sub>x</sub> PM PM <sub>2.5</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	10.40 17.40 1.45 1.45 1.45 0.17 1.56	45.54 76.21 6.35 6.35 6.35 0.75 6.85	6, 12, 13	12, 13, 14	11, 12, 13
1N (13)	USC Furnace N	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	20.36 27.3 1.84 0.15 1.33	89.19 119.58 8.07 0.67 5.84	6, 12, 13	12, 13, 14	11, 12, 13

Permit Numbers: 4682B and PSDTX761M3

Issuance Date: 04/16/2014

Emission Point Number <sup>(1)</sup> (EPN)	Source Name <sup>(2)</sup>	Air Contaminant Name <sup>(3)</sup>	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	(TPY) <sup>(4)</sup>	Spec. Cond.	Spec. Cond.	Spec. Cond.
3A	VMR Furnace A	CO <sup>(9)</sup> NO <sub>x</sub> PM PM <sub>2.5</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	4.54 7.60 0.63 0.63 0.63 0.07 0.68	19.89 33.30 2.77 2.77 2.77 0.33 2.99	6, 12, 13	12, 13, 14	11, 12, 13
3A (13)	VMR Furnace A	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	7.28 8.67 0.66 0.05 0.48	31.9 37.98 2.89 0.24 2.09	12	12, 14	11, 12
3B	VMR Furnace B	CO <sup>(9)</sup> NO <sub>x</sub> PM PM <sub>2.5</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	4.54 7.60 0.63 0.63 0.63 0.07 0.68	19.89 33.30 2.77 2.77 2.77 0.33 2.99	6, 12, 13	12, 13, 14	11, 12, 13
3B (13)	VMR Furnace B	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	7.28 8.67 0.66 0.05 0.48	31.9 37.98 2.89 0.24 2.09	12	12, 14	11, 12
4A	HP Steam Boiler A	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> SO <sub>3</sub> VOC	23.65 94.63 23.14 284.48 10.33 1.56	103.59 414.46 101.33 1246.04 25.24 6.78	1, 5, 8	5, 8	8, 11
4B	HP Steam Boiler B	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	23.65 53.5 2.14 0.18 1.56	103.59 234.32 9.37 0.78 6.78	8	8	8, 11
4C	HP Steam Boiler C	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	23.65 53.5 2.14 0.18 1.56	103.59 234.32 9.37 0.78 6.78	8	8	8, 11
4D	HP Steam Boiler D	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	23.65 53.5 2.14 0.18 1.56	103.59 234.32 9.37 0.78 6.78	8	8	8, 11
5A	Steam Superheater A	CO <sup>(9)</sup> NO <sub>x</sub> PM PM <sub>2.5</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	5.22 8.74 0.73 0.73 0.73 0.09 0.79	22.86 38.26 3.19 3.19 3.19 0.38 3.44			11
5A (13)	Steam Superheater A	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	5.25 6.25 0.47 0.04 0.34	22.98 27.36 2.08 0.17 1.5			11

Permit Numbers: 4682B and PSDTX761M3

Issuance Date: 04/16/2014

Emission Point Number <sup>(1)</sup> (EPN)	Source Name <sup>(2)</sup>	Air Contaminant Name <sup>(3)</sup>	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	(TPY) <sup>(4)</sup>	Spec. Cond.	Spec. Cond.	Spec. Cond.
5B	Steam Superheater B	CO <sup>(9)</sup> NO <sub>x</sub> PM PM <sub>2.5</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	5.22 8.74 0.73 0.73 0.73 0.09 0.79	22.86 38.26 3.19 3.19 3.19 0.38 3.44			11
5B (13)	Steam Superheater B	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	5.25 6.25 0.47 0.04 0.34	22.98 27.36 2.08 0.17 1.5			11
6	HDA Feed Heater	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	7.08 8.42 0.64 0.05 0.46	31 36.9 2.8 0.23 2.03	16	14, 16	16
7	HDA Recycle Heater	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	0.49 0.59 0.04 0.01 0.03	2.15 2.56 0.19 0.02 0.14		14	
8	Dryer Regeneration Heater	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	1.61 1.92 0.15 0.01 0.11	7.05 8.39 0.64 0.05 0.46			
8A	Cat. Reactivation Furnace	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	2.12 2.53 0.19 0.02 0.14	9.3 11.07 0.84 0.07 0.61			
9A	South Decoking Cyclone	CO <sup>(10)</sup> PM PM <sub>2.5</sub> PM <sub>10</sub> VOC	1932.94 11.63 3.58 3.58 0.05	135.80 1.37 0.43 0.43 0.02	7, 12	4, 7, 12	7, 12
9A (13)	Decoking Cyclone	CO <sup>(10)</sup> PM PM <sub>10</sub> VOC	1674.8 9.91 3.05 0.03	80.06 0.8 0.25 0.02	7, 12	4, 7, 12	7, 12
9B	North Decoking Cyclone	CO <sup>(10)</sup> PM PM <sub>2.5</sub> PM <sub>10</sub> VOC	1999.16 12.47 3.84 3.84 0.04	133.80 1.35 0.42 0.42 0.02	7, 12	4, 7, 12	7, 12
9B (13)	Decoking Cyclone	CO <sup>(10)</sup> PM PM <sub>10</sub> VOC	906.86 6.82 2.01 0.03	66.37 0.66 0.21 0.02	7, 12	4, 7, 12	7, 12
10	Hot Flare	CO NO <sub>x</sub> SO <sub>2</sub> VOC	1092.65 209.76 64.68 369.22	37 8.21 2.51 6.94	8, 10, 16, 23, 25	8, 10, 16, 23, 25	8, 10, 16

Permit Numbers: 4682B and PSDTX761M3

Issuance Date: 04/16/2014

Emission Point Number <sup>(1)</sup> (EPN)	Source Name <sup>(2)</sup>	Air Contaminant Name <sup>(3)</sup>	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	(TPY) <sup>(4)</sup>	Spec. Cond.	Spec. Cond.	Spec. Cond.
11	Cold Flare	CO NO <sub>x</sub> SO <sub>2</sub> VOC	100.84 19.39 0.08 76.88	13.84 2.92 0.13 2.61	8, 10, 23, 25	8, 10, 23, 25	8, 10
12	Cooling Tower (5)	VOC PM PM <sub>10</sub> PM <sub>2.5</sub>	2.92 4.05 4.05 1.20	12.79 15.33 15.33 4.55	19	19, 27	
12 (13)	Cooling Tower (5)	VOC PM PM <sub>10</sub> PM <sub>2.5</sub>	2.92 34.86 33.37 5.63	12.79 105.75 103.54 20.78	19	19	
12B	Cooling Tower (5)	VOC PM PM <sub>10</sub> PM <sub>2.5</sub>	2.02 1.20 1.20 0.36	3.72 4.54 4.54 1.35	19	19, 27	
13C	Carbon Canisters in Series	VOC	0.06	0.01	26	26	26
13C (13)	Carbon Canisters in Series	VOC	0.04	0.01	26	26	26
16	Naphtha Feedstock Day Tank	VOC	1.52	2.52	8, 18	8, 18, 14	8
17	Kerosene Feedstock Day Tank	VOC	1.52	2.47	8, 18	8, 18, 14	8
18	Light Fuel Oil Tank	VOC	3.07	4.3		18, 14	
19	Raw Pyrolysis Gasoline Tank	VOC	1.74	4.9	18	18, 14	
20A	Heavy Fuel Oil Tank	VOC	4.3	5.1		18, 14	
20B	Heavy Fuel Oil Tank	VOC	4.3	5.1		18, 14	
23A	Benzene Tank	VOC	0.17	0.31	9, 18	9, 18, 14	9
24	HDA Tank	VOC	1.45	3.94	10, 18	10, 18, 14	10
30A	Feedstock Tank	VOC	3.37	10.01	10, 18	10, 18, 14	10
30B	Feedstock Tank	VOC	3.37	10.04	10, 18	10, 18, 14	10
30C	Feedstock Tank	VOC	3.39	10.13	10, 18	10, 18, 14	10
31	Second Stage Feed Heater	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	1.27 1.51 0.11 0.01 0.08	5.55 6.6 0.5 0.04 0.36		14	
32	Lube Oil Tank	VOC	16.27	0.15	10, 18	10, 18, 14	10
33	Wash Oil Tank	VOC	0.23	0.43	10, 18	10, 18, 14	10

Permit Numbers: 4682B and PSDTX761M3

Issuance Date: 04/16/2014

Emission Point Number <sup>(1)</sup> (EPN)	Source Name <sup>(2)</sup>	Air Contaminant Name <sup>(3)</sup>	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	(TPY) <sup>(4)</sup>	Spec. Cond.	Spec. Cond.	Spec. Cond.
39A	Spent Caustic Gasoline Wash Tank	VOC	0.64	1.07	9, 10, 18	9, 10, 18, 14	9, 10
39B	Spent Caustic Gasoline Wash Tank	VOC	0.41	0.85	9, 10, 18	9, 10, 18, 14	9, 10
40	Recovered Oil Tank	VOC	0.3	0.87	9, 18	9, 18, 14	9
42	Methanol Tank	VOC	4.08	0.04	10	10, 18, 14	10
43	Fuel Oil Truck Loading	VOC	29.63	7.04		18, 14	
50	Spent Caustic Wastewater	VOC	0.03	0.06	9, 10, 18	9, 10, 18, 14	9, 10
51	Spent Caustic Wastewater	VOC	0.06	0.12	9, 10, 18	9, 10, 18, 14	9, 10
52	Wastewater Tank	VOC	0.75	1.15	9, 18	9, 18, 14	9
53	Slop Oil Tank	VOC	0.26	0.77	10, 18	10, 18, 14	10
55	Hot Water Belt Tank	VOC	1.01	3.19	10, 18	10, 18, 14	10
AC-1	Air Compressor Engine No. 1 <sup>(8)</sup>	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	2.74 3.03 0.16 0.97 0.12	2.05 2.27 0.12 0.73 0.09		14	
AC-2	Air Compressor Engine No. 2 <sup>(8)</sup>	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	2.74 3.03 0.16 0.97 0.12	2.05 2.27 0.12 0.73 0.09		14	
F2602A	Vehicle Diesel Tank	VOC	0.7	0.01		18	
F2603	Vehicle Gasoline Tank	VOC	51.22	1.26		18	
FA1665	Diesel Tank	VOC	0.22	0.01		18	
FU-1	EMACT Process Fugitive <sup>(5)</sup>	VOC	23.13	101.36	8, 9, 10, 15, 21, 22	9, 10, 21, 22	9, 10, 21
FU-2	HON Process Fugitive <sup>(5)</sup>	VOC	0.93	4.08	8, 9, 10, 15, 21, 22	9, 10, 21, 22	9, 10, 21
FU-3	Process Fugitive <sup>(5)</sup>	VOC <sup>(11)</sup> VOC <sup>(12)</sup>	17.90 13.73	78.41 60.13	9, 10, 15, 21, 22	9, 10, 21, 22	9, 10, 21
FU-4	NESHAP FF Fugitive <sup>(5)</sup>	VOC	0.02	0.1	8, 9, 10, 20	9, 10, 20	9, 10
FUG	Fugitive Emissions	VOC	7.96	34.87	9, 10, 15, 21, 22	9, 10, 21, 22	9, 10, 21
FWDIESELA	Firewater Diesel Tank	VOC	0.02	0.01			
FWDIESELB	Firewater Diesel Tank	VOC	0.02	0.01			

Permit Numbers: 4682B and PSDTX761M3					Issuance Date: 04/16/2014		
Emission Point Number <sup>(1)</sup> (EPN)	Source Name <sup>(2)</sup>	Air Contaminant Name <sup>(3)</sup>	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	(TPY) <sup>(4)</sup>	Spec. Cond.	Spec. Cond.	Spec. Cond.
FWDIESEL	Firewater Diesel Tank	VOC	0.02	0.01			
FWDIESEL	Firewater Diesel Tank	VOC	0.02	0.01			
J-2019-A	Olefins Firewater Engine <sup>(7)</sup>	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	2.87 13.33 0.95 0.88 1.06	0.36 1.67 0.12 0.11 0.13			
J-2019-B	Olefins Firewater Engine <sup>(7)</sup>	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	2.87 13.33 0.95 0.88 1.06	0.36 1.67 0.12 0.11 0.13			
J-2019-C	Olefins Firewater Engine <sup>(7)</sup>	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	2.87 13.33 0.95 0.88 1.06	0.36 1.67 0.12 0.11 0.13			
J-2019-D	Olefins Firewater Engine <sup>(7)</sup>	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	2.87 13.33 0.95 0.88 1.06	0.36 1.67 0.12 0.11 0.13			
L-1697	Emergency Generator <sup>(6)</sup>	CO NO <sub>x</sub> PM <sub>10</sub> SO <sub>2</sub> VOC	0.85 10.37 0.06 1.65 0.02	0.02 0.27 0.01 0.04 0.01			
PAINT	Painting	VOC	7.39	4.81			
WWC-1	Wastewater Collection	VOC	2.00	0.32	9	9, 14	9
WWC-1 (13)	Wastewater Collection	VOC	1.37	0.22	9	9, 14	9

Footnotes:

- (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  
NO<sub>x</sub> - total oxides of nitrogen  
PM - total particulate matter, suspended in the atmosphere, including PM10 and PM2.5, as represented  
PM10 - total particulate matter, suspended in the atmosphere, equal to or less than 10 microns in diameter, including PM2.5, as represented  
SO<sub>2</sub> - sulfur dioxide  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code 101.1
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations
- (6) 52 hours per rolling twelve months of operations
- (7) 250 hours per rolling twelve months of operations
- (8) 1,500 hours per rolling twelve months of operations
- (9) PSDTX761M1 pollutant
- (10) PSDTX761M2 pollutant
- (11) Pre-control emissions
- (12) Post control emissions
- (13) The indicated emission rate limits apply to this EPN until the modifications represented in the amendment application received under PI-1, March 1, 2013, are completed consistent with the construction schedule required by General Condition No. 2 of this

permit. The emission rate limits indicated for this EPN without this footnote reference apply upon completion of the described modifications.

## Major NSR Summary Table

Permit Numbers: PSDTX761GHG					Issuance Date: 04/16/2014		
Emission Point Number (EPN)	Source Name	Air Contaminant Name	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY <sup>1</sup>	TPY CO <sub>2</sub> e <sup>2,3</sup>	Spec. Cond.	Spec. Cond.	Spec. Cond.
1A	USC Furnace A – Cracking Furnace	CO <sub>2</sub> CH <sub>4</sub> N <sub>2</sub> O	93,838 5.5 1.1	94,303	III.A.1, III.B, V.A, V.B, V.C, V.D, V.E, V.F, V.G	III.A.1, III.B, IV.A, V.A, V.D	V.B, V.C
1B	USC Furnace B – Cracking Furnace	CO <sub>2</sub> CH <sub>4</sub> N <sub>2</sub> O	93,838 5.5 1.1	94,303	III.A.1, III.B, V.A, V.B, V.C, V.D, V.E, V.F, V.G	III.A.1, III.B, IV.A, V.A, V.D	V.B, V.C
1C	USC Furnace C – Cracking Furnace	CO <sub>2</sub> CH <sub>4</sub> N <sub>2</sub> O	144,751 8.4 1.7	145,468	III.A.1, III.B, V.A, V.B, V.C, V.D, V.E, V.F, V.G	III.A.1, III.B, IV.A, V.A, V.D	V.B, V.C
1D	USC Furnace D – Cracking Furnace	CO <sub>2</sub> CH <sub>4</sub> N <sub>2</sub> O	144,751 8.4 1.7	145,468	III.A.1, III.B, V.A, V.B, V.C, V.D, V.E, V.F, V.G	III.A.1, III.B, IV.A, V.A, V.D	V.B, V.C
1E	USC Furnace E – Cracking Furnace	CO <sub>2</sub> CH <sub>4</sub> N <sub>2</sub> O	144,751 8.4 1.7	145,468	III.A.1, III.B, V.A, V.B, V.C, V.D, V.E, V.F, V.G	III.A.1, III.B, IV.A, V.A, V.D	V.B, V.C
1F	USC Furnace F – Cracking Furnace	CO <sub>2</sub> CH <sub>4</sub> N <sub>2</sub> O	144,751 8.4 1.7	145,468	III.A.1, III.B, V.A, V.B, V.C, V.D, V.E, V.F, V.G	III.A.1, III.B, IV.A, V.A, V.D	V.B, V.C
1G	USC Furnace G – Cracking Furnace	CO <sub>2</sub> CH <sub>4</sub> N <sub>2</sub> O	144,751 8.4 1.7	145,468	III.A.1, III.B, V.A, V.B, V.C, V.D, V.E, V.F, V.G	III.A.1, III.B, IV.A, V.A, V.D	V.B, V.C
1H	USC Furnace H – Cracking Furnace	CO <sub>2</sub> CH <sub>4</sub> N <sub>2</sub> O	144,751 8.4 1.7	145,468	III.A.1, III.B, V.A, V.B, V.C, V.D, V.E, V.F, V.G	III.A.1, III.B, IV.A, V.A, V.D	V.B, V.C
1J	USC Furnace J – Cracking Furnace	CO <sub>2</sub> CH <sub>4</sub> N <sub>2</sub> O	144,751 8.4 1.7	145,468	III.A.1, III.B, V.A, V.B, V.C, V.D, V.E, V.F, V.G	III.A.1, III.B, IV.A, V.A, V.D	V.B, V.C
1K	USC Furnace K – Cracking Furnace	CO <sub>2</sub> CH <sub>4</sub> N <sub>2</sub> O	93,838 5.5 1.1	94,303	III.A.1, III.B, V.A, V.B, V.C, V.D, V.E, V.F, V.G	III.A.1, III.B, IV.A, V.A, V.D	V.B, V.C
1 L	USC Furnace L – Cracking Furnace	CO <sub>2</sub> CH <sub>4</sub> N <sub>2</sub> O	93,838 5.5 1.1	94,303	III.A.1, III.B, V.A, V.B, V.C, V.D, V.E, V.F, V.G	III.A.1, III.B, IV.A, V.A, V.D	V.B, V.C
1M	USC Furnace M – Cracking Furnace	CO <sub>2</sub> CH <sub>4</sub> N <sub>2</sub> O	144,751 8.4 1.7	145,468	III.A.1, III.B, V.A, V.B, V.C, V.D, V.E, V.F, V.G	III.A.1, III.B, IV.A, V.A, V.D	V.B, V.C
1N	USC Furnace N – Cracking Furnace	CO <sub>2</sub> CH <sub>4</sub> N <sub>2</sub> O	144,751 8.4 1.7	145,468	III.A.1, III.B, V.A, V.B, V.C, V.D, V.E, V.F, V.G	III.A.1, III.B, IV.A, V.A, V.D	V.B, V.C

Permit Numbers: PSDTX761GHG				Issuance Date: 04/16/2014			
Emission Point Number (EPN)	Source Name	Air Contaminant Name	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			TPY <sup>1</sup>	TPY CO <sub>2</sub> e <sup>2,3</sup>	Spec. Cond.	Spec. Cond.	Spec. Cond.
3A	VMR Furnace A – Cracking Furnace	CO <sub>2</sub> CH <sub>4</sub> N <sub>2</sub> O	63,241 3.7 0.7	63,542	III.A.1, III.B, V.A, V.B, V.C, V.D, V.E, V.F, V.G	III.A.1, III.B, IV.A, V.A, V.D	V.B, V.C
3B	VMR Furnace B – Cracking Furnace	CO <sub>2</sub> CH <sub>4</sub> N <sub>2</sub> O	63,241 3.7 0.7	63,542	III.A.1, III.B, V.A, V.B, V.C, V.D, V.E, V.F, V.G	III.A.1, III.B, IV.A, V.A, V.D	V.B, V.C
5A	Steam Superheater A	CO <sub>2</sub> CH <sub>4</sub> N <sub>2</sub> O	72,675 4.2 0.8	73,018	III.A.1, III.B, V.A, V.B, V.C, V.D, V.E, V.F, V.G	III.A.1, III.B, IV.A, V.A, V.D	V.B, V.C
5B	Steam Superheater B	CO <sub>2</sub> CH <sub>4</sub> N <sub>2</sub> O	72,675 4.2 0.8	73,018	III.A.1, III.B, V.A, V.B, V.C, V.D, V.E, V.F, V.G	III.A.1, III.B, IV.A, V.A, V.D	V.B, V.C
9A 9B	South & North Decoking Cyclones – Decoking Pots	CO <sub>2</sub>	1,270 <sup>4</sup>	1,270 <sup>4</sup>	III.A.1, III.B	III.A.1, III.B, IV.A	
FUG	Fugitive Process Emissions	CH <sub>4</sub>	No Emission Limit Established <sup>5</sup>	No Emission Limit Established <sup>5</sup>	III.A.2	III.A.2, IV.A	
10 DBN MSS	Elevated Flare – MSS	CO <sub>2</sub> CH <sub>4</sub> N <sub>2</sub> O	3,866 13.3 0.01	4,201	III.A.3	III.A.3, IV.A	
<b>Totals<sup>6</sup></b>		<b>CO<sub>2</sub> CH<sub>4</sub> N<sub>2</sub>O</b>	<b>1,955,080 145 23</b>	<b>CO<sub>2</sub>e 1,965,475</b>			

Footnotes:

- (1) The GHG Mass Basis TPY limits are informational only and do not constitute an enforceable limit.
- (2) Compliance with the annual emission limits (tons per year) is based on a 12-month rolling total, to be updated the last day of the following month. The TPY emission limits specified in this table are not to be exceeded for this facility and include emissions from the facility during all operations and include MSS activities.
- (3) Global Warming Potentials (GWP): CH<sub>4</sub> = 25, N<sub>2</sub>O = 298
- (4) The decoke pot (EPN: 9A and 9B) emissions are estimated to be 1,270 TPY CO<sub>2</sub>/CO<sub>2</sub>e for both decoke pots combined.
- (5) Fugitive process emissions from FUG are estimated to be 18.4 TPY of CH<sub>4</sub>, and 460 TPY CO<sub>2</sub>e. In lieu of an emission limit, the emissions will be limited by implementing a design/work practice standard as specified in the permit.
- (6) Total emissions include the PTE for fugitive emissions. Totals are given for informational purposes only and do not constitute emission limits.