

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Flint Hills Resources Corpus Christi LLC

AUTHORIZING THE OPERATION OF
Flint Hills Resources East Refinery
Corpus Christi East Refinery
Petroleum Refineries

LOCATED AT
Nueces County, Texas
Latitude 27° 48' 16" Longitude 97° 25' 30"
Regulated Entity Number: RN102534138

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: O1445 Issuance Date: January 4, 2023

For the Commission

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General Terms and Conditions

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

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

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

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

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

Special Terms and Conditions:

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

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

table are subject to 30 TAC Chapter 113, Subchapter C, §§ 113.110, 113.120, 113.130, 113.300, 113.340, 113.540, 113.780, 113.1090, 113.1130, and 113.1160, respectively, which incorporates the 40 CFR Part 63 Subpart by reference.

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_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. 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_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
 - (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.
 - (2) Records of all observations shall be maintained.
 - (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to

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

(4) Compliance Certification:

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

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_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
 - (1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.
 - (2) Records of all observations shall be maintained.
 - (3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's

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

(4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- D. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- E. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).
- F. Permit holders for sites that have materials handling, construction, roads, streets, alleys, and parking lots shall comply with the following requirements:
 - (i) Title 30 TAC § 111.143 (relating to Materials Handling)
 - (ii) Title 30 TAC § 111.145 (relating to Construction and Demolition)
 - (iii) Title 30 TAC § 111.147 (relating to Roads, Streets, and Alleys)
 - (iv) Title 30 TAC § 111.149 (relating to Parking Lots)
- G. 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)
- H. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:
 - (i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)
 - (ii) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)
- 4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: "Storage of Volatile Organic Compounds," the permit holder shall comply with the requirements of 30 TAC § 115.112(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 100,000 gallons of gasoline in any calendar month after October 31, 2014, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:
 - (i) Title 30 TAC § 115.222(3) (relating to Control Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors
 - (ii) Title 30 TAC § 115.222(6) (relating to Control Requirements)
 - (iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors
 - (iv) Title 30 TAC § 115.226(2)(B) (relating to Recordkeeping Requirements)
- 6. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter D requirements:
 - A. Title 30 TAC § 115.312(b)(1) (relating to Control Requirements), for emissions during Process Unit Shutdown or Turnaround
- 7. 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)
8. For petroleum refinery facilities subject to 40 CFR Part 60, Subpart QQQ, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 60.692-1(a) - (c) (relating to Standards: General)
 - B. Title 40 CFR § 60.692-2(a) - (c), (e) (relating to Standards: Individual Drain Systems)
 - C. Title 40 CFR § 60.692-6(a) - (b) (relating to Standards: Delay of Repair)
 - D. Title 40 CFR § 60.692-7(a) - (b) (relating to Standards: Delay of Compliance)
 - E. Title 40 CFR § 60.693-1(a) - (d), (e)(1) - (3) (relating to Alternative Standards for Individual Drain Systems)
 - F. Title 40 CFR § 60.697(a), (b)(1) - (3) (relating to Recordkeeping Requirements), as applicable to Individual Drain Systems
 - G. Title 40 CFR § 60.697(f)(1) - (2), (g) (relating to Recordkeeping Requirements), as applicable to Individual Drain Systems
 - H. Title 40 CFR § 60.697(h) (relating to Recordkeeping Requirements), as applicable to excluded Stormwater Sewer Systems
 - I. Title 40 CFR § 60.697(i) (relating to Recordkeeping Requirements), as applicable to excluded Ancillary Equipment
 - J. Title 40 CFR § 60.697(j) (relating to Recordkeeping Requirements), as applicable to excluded Non-contact Cooling Water Systems
 - K. Title 40 CFR § 60.698(a), and (b)(1) (relating to Reporting Requirements), as applicable to Individual Drain Systems
 - L. Title 40 CFR § 60.698(c) (relating to Reporting Requirements), for water seal breaches in Drain Systems
 - M. Title 40 CFR § 60.698(e) (relating to Reporting Requirements), as applicable to Individual Drain Systems
9. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:
- A. Title 40 CFR § 61.05 (relating to Prohibited Activities)
 - B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)
 - C. Title 40 CFR § 61.09 (relating to Notification of Start-up)
 - D. Title 40 CFR § 61.10 (relating to Source Reporting and Request Waiver)

- E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)
 - F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)
 - G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)
 - H. Title 40 CFR § 61.15 (relating to Modification)
 - I. Title 40 CFR § 61.19 (relating to Circumvention)
10. For the National Emissions Standards for Asbestos specified in 40 CFR Part 61, Subpart M, the permit holder shall comply with the following requirements:
- A. For insulating materials other than spray-applied: Title 40 CFR § 61.148 (relating to Standards for Insulating Materials), for installation and reinstallation of asbestos-containing insulation).
11. For the benzene transfer operations to and from marine vessels specified in 40 CFR Part 61, Subpart BB, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.302(e) (relating to Standards)
 - B. Title 40 CFR § 61.303(f) (relating to Monitoring Requirements)
 - C. Title 40 CFR § 61.304(f) (relating to Test Methods and Procedures)
 - D. Title 40 CFR § 61.305(g) - (h) (relating to Reporting and Recordkeeping)
12. For facilities where total annual benzene quantity from waste is greater than or equal to 10 megagrams per year and subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.342(c)(1)(i) - (iii) (relating to Standards: General)
 - B. Title 40 CFR § 61.342(e)(1) (relating to Standards: General)
 - C. Title 40 CFR § 61.342(e)(2)(i) - (ii) (relating to Standards: General)
 - D. Title 40 CFR § 61.342(f)(1), and (2) (relating to Standards: General)
 - E. Title 40 CFR § 61.342(g) (relating to Standards: General)
 - F. Title 40 CFR § 61.350(a) and (b) (relating to Standards: Delay of Repair)
 - G. Title 40 CFR § 61.355(a)(1)(iii), (a)(2), (a)(6), (b), and (c)(1) - (3) (relating to Test Methods, Procedures, and Compliance Provisions)
 - H. Title 40 CFR § 61.355(k)(1) - (6), and (7)(i) - (iv) (relating to Test Methods, Procedures, and Compliance Provisions), for calculation procedures
 - I. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)
 - J. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)

- K. Title 40 CFR § 61.356(b)(4) (relating to Recordkeeping Requirements)
 - L. Title 40 CFR § 61.356(b)(5) (relating to Recordkeeping Requirements)
 - M. Title 40 CFR § 61.356(c) (relating to Recordkeeping Requirements)
 - N. Title 40 CFR § 61.357(a), (d)(1), (d)(2) (d)(6) and (d)(8) (relating to Reporting Requirements)
 - O. Title 40 CFR § 61.357(d)(5) (relating to Reporting Requirements)
 - 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
13. For facilities with containers subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.345(a)(1) - (3), (b), and (c) (relating to Standards: Containers)
 - B. Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)
 - C. Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
 - D. Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)
14. For facilities with individual drain systems subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.346(a)(1)(i)(A), (B), (ii), (2), and (3) (relating to Standards: Individual Drain Systems)
 - B. Title 40 CFR § 61.346(b)(1), (2), (2)(i), (3), (4)(i) - (iv), and (5) (relating to Standards: Individual Drain Systems)
 - C. Title 40 CFR § 61.346(b)(2)(ii)(A) (relating to Standards: Individual Drain Systems), for junction boxes
 - D. Title 40 CFR § 61.346(b)(2)(ii)(B) (relating to Standards: Individual Drain Systems), for junction boxes
 - E. Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)
 - F. Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
 - G. Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)
15. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.
16. For the chemical manufacturing process specified in 40 CFR Part 63, Subpart F, the permit holder shall comply with 40 CFR § 63.103(a) (relating to General Compliance, Reporting, and

- Recordkeeping Provisions) (Title 30 TAC Chapter 113, Subchapter C, § 113.110 incorporated by reference).
17. For the chemical manufacturing facilities subject to provisions in 40 CFR Parts 260 - 272, the permit holder shall comply with the following requirements:
 - A. Title 40 CFR § 63.110(e)(2)(i) (relating to Applicability), for 40 CFR Part 63, Subpart G applicability to Group 1 or 2 Wastewater Streams
 18. For the chemical manufacturing facilities with a 40 CFR Part 63, Subpart G Group 1 or Group 2 wastewater streams that are also subject to 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):
 - A. Title 40 CFR § 63.110(e)(1) (relating to Applicability), for 40 CFR Part 63, Subpart G applicability to Group 1 or 2 Wastewater Streams
 19. For the chemical manufacturing facilities with a 40 CFR Part 63, Subpart G Group 2 wastewater stream, the permit holder shall comply with (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):
 - A. Title 40 CFR § 63.132(a), (a)(1), and (a)(1)(i) (relating to Process Wastewater Provisions - General)
 - B. Title 40 CFR § 63.146(b)(1) (relating to Process Wastewater Provisions - Reporting)
 - C. Title 40 CFR § 63.147(b)(8) (relating to Process Wastewater Provisions - Recordkeeping)
 20. For the operations pertaining to the loading and unloading of marine tank vessels specified in 40 CFR Part 63, Subpart Y, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.300 incorporated by reference):
 - A. Title 40 CFR § 63.560(c) (relating to Designation of Affected Source), for applicability of the General Provisions of Subpart A
 - B. Title 40 CFR § 63.563(a)(4) (relating to Compliance and Performance Testing), for vapor tightness requirements of the marine vessels
 - C. Title 40 CFR § 63.564(a)(1) and (d) (relating to Monitoring Requirements)
 - D. Title 40 CFR § 63.565(a) (relating to Test Methods and Procedures), for performance testing requirements
 - E. Title 40 CFR § 63.565(c) (relating to Test Methods and Procedures), for vapor tightness requirements of the marine vessels
 - F. Title 40 CFR § 63.566 (relating to Construction and Reconstruction)
 - G. Title 40 CFR § 63.567(a) - (b) and (h) - (i) (relating to Reporting and Recordkeeping Requirements)
 21. For sources subject to emission standards in 40 CFR Part 63, Subpart CC, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.340 incorporated by reference):

- A. Title 40 CFR § 63.640(m) and (m)(1) - (2) (relating to Applicability and Designation of Affected Source), for units and emission points changing from Group 2 to Group 1 status
 - B. Title 40 CFR § 63.642(f) (relating to General Standards), for reporting
 - C. For benzene fenceline monitoring, the permit holder shall comply with the following requirements:
 - (i) Title 40 CFR § 63.658(a) - (k) (relating to Fenceline Monitoring Provisions)
 - (ii) Title 40 CFR § 63.655(h), (h)(8), and (h)(10) (relating to Reporting and Recordkeeping Requirements), for reporting
 - (iii) Title 40 CFR § 63.655(i), (i)(6), and (i)(8) (relating to Reporting and Recordkeeping Requirements), for recordkeeping
22. The permit holder shall comply with the requirement to prepare and implement an Operations and Maintenance plan in accordance with 40 CFR Part 63, Subpart UUU, § 63.1574(f) (Title 30 TAC Chapter 113, Subchapter C, § 113.780 incorporated by reference).
23. For the transfer of site remediation materials subject to 40 CFR Part 63, Subpart GGGGG off-site to another facility, the permit holder shall comply with the following requirements (Title 30 TAC, Subchapter C, § 113.1160 incorporated by reference):
- A. Title 40 CFR § 63.7936(a), for the transfer of site remediation materials
 - B. Title 40 CFR § 63.7936(b)(1), for transfer to a landfill or land disposal unit
 - C. Title 40 CFR § 63.7936(b)(2), for transfer to a facility subject to 40 CFR Part 63, Subpart DD
 - D. Title 40 CFR § 63.7936(b)(3), (b)(3)(i) - (iv), for transfer to a facility managing the site remediation material according to the requirements of 40 CFR Part 63, Subpart GGGGG
24. For containers managing remediation materials subject to 40 CFR Part 63, Subpart GGGGG, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.1160 incorporated by reference):
- A. Title 40 CFR § 63.7901(b) and (b)(1), for initial demonstration of compliance
 - B. Title 40 CFR § 63.7903(b) and (b)(1), for continuous demonstration of compliance
 - C. Title 40 CFR § 63.7952(c), for recordkeeping
25. 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

26. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

27. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule (including the terms, conditions, monitoring, recordkeeping, and reporting identified in registered PBR and permits by rule identified in the PBR Supplemental Tables dated September 28, 2023 in the application for project 35657), 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
28. 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.
29. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).
30. The permit holder shall comply with the following requirements for flexible permits of 30 TAC Chapter 116:
 - A. Title 30 TAC § 116.715 (relating to General and Special Conditions)
 - B. Title 30 TAC § 116.716 (relating to Emission Caps and Individual Emission Limitations)

- C. Title 30 TAC § 116.717 (relating to Implementation Schedule for Additional Controls)
- D. Title 30 TAC § 116.718 (relating to Significant Emission Increase)
- E. Title 30 TAC § 116.720 (relating to Limitation on Physical and Operational Changes)
- F. Title 30 TAC § 116.721(a) (relating to requirements for Amendments and Alterations)

Compliance Requirements

- 31. 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.
- 32. Use of Discrete Emission Credits to comply with the applicable requirements:
 - A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
 - (i) Title 30 TAC Chapter 115
 - (ii) Title 30 TAC Chapter 117
 - (iii) If applicable, offsets for Title 30 TAC Chapter 116
 - (iv) Temporarily exceed state NSR permit allowables
 - B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
 - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
 - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
 - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
 - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122
 - (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Risk Management Plan

- 33. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as

part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

Protection of Stratospheric Ozone

34. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:
- A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.
 - B. 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 H related to Halon Emissions Reduction requirements as specified in 40 CFR § 82.250 - § 82.270 and the applicable Part 82 Appendices.

Temporary Fuel Shortages (30 TAC § 112.15)

35. 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)

Alternative Requirements

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

Permit Location

37. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

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

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Alternative Requirement

Applicable Requirements Summary

Unit Summary 19

Applicable Requirements Summary 94

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
09GA125	SRIC Engines	N/A	63ZZZZ-ENG0001	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
09GA944	SRIC Engines	N/A	60III-0001	40 CFR Part 60, Subpart III	No changing attributes.
09GA944	SRIC Engines	N/A	63ZZZZ-ENG0001	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
62GA2223	SRIC Engines	N/A	60III-0001	40 CFR Part 60, Subpart III	No changing attributes.
62GA2223	SRIC Engines	N/A	63ZZZZ-ENG0001	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
E01FL100	Flares	N/A	111-FLARE00004	30 TAC Chapter 111, Visible Emissions	No changing attributes.
E01FL100	Flares	N/A	60A-FLARE00004	40 CFR Part 60, Subpart A	Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)
E01FL100	Flares	N/A	60A-FLARE00005	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 less than or equal to 1000 Btu/scf (37.3 MJ/scm).
E01FL100	Flares	N/A	60A-FLARE00006	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)
E01FL100	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60Ja-COMB00003	40 CFR Part 60, Subpart Ja	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E01FL100	Flares	N/A	63A-FLARE00005	40 CFR Part 63, Subpart A	Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)
E01FL100	Flares	N/A	63A-FLARE00006	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 less than or equal to 1000 Btu/scf (37.3 MJ/scm).
E01FL100	Flares	N/A	63A-FLARE00007	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).
E01FL100	Flares	N/A	63CC-FLARE00004	40 CFR Part 63, Subpart CC	Flare Tip Velocity = Flare tip velocity is less than 60 feet per second (ft/s)
E01FL100	Flares	N/A	63CC-FLARE00007	40 CFR Part 63, Subpart CC	Flare Tip Velocity = Flare tip velocity is greater than or equal to 60 ft/s but less than 400 ft/s
E01FL101	Flares	N/A	111-FLARE00004	30 TAC Chapter 111, Visible Emissions	No changing attributes.
E01FL101	Flares	N/A	60A-FLARE00004	40 CFR Part 60, Subpart A	Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E01FL101	Flares	N/A	60A-FLARE00005	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 less than or equal to 1000 Btu/scf (37.3 MJ/scm).
E01FL101	Flares	N/A	60A-FLARE00006	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)
E01FL101	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60Ja-COMB00003	40 CFR Part 60, Subpart Ja	Common Source of Fuel Gas = The flare does not use a common source of gas as described in §60.107a(a)(2)(iv), §60.107a(e)(4) Exemption = The flare is not eligible for the exemption in §60.107a(e)(4), §60.107a(a)(3) Exemption = The flare is not eligible for the exemption in §60.107a(a)(3)
E01FL101	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60Ja-COMB00004	40 CFR Part 60, Subpart Ja	§60.107a(e)(4) Exemption = The flare is eligible for the exemption in §60.107a(e)(4), §60.107a(a)(3) Exemption = The flare is eligible for the exemption in §60.107a(a)(3)
E01FL101	Flares	N/A	63A-FLARE00005	40 CFR Part 63, Subpart A	Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec)

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E01FL101	Flares	N/A	63A-FLARE00006	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 less than or equal to 1000 Btu/scf (37.3 MJ/scm).
E01FL101	Flares	N/A	63A-FLARE00007	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).
E01FL101	Flares	N/A	63CC-FLARE0004	40 CFR Part 63, Subpart CC	Flare Tip Velocity = Flare tip velocity is less than 60 feet per second (ft/s)
E01FL101	Flares	N/A	63CC-FLARE0007	40 CFR Part 63, Subpart CC	Flare Tip Velocity = Flare tip velocity is greater than or equal to 60 ft/s but less than 400 ft/s
E0320D128	Storage Tanks/Vessels	N/A	63CC-TANK00007	40 CFR Part 63, Subpart CC	No changing attributes.
E10B10	Boilers/Steam Generators/Steam Generating Units	N/A	60Db-00169	40 CFR Part 60, Subpart Db	No changing attributes.
E10B10	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60Ja-COMB00023	40 CFR Part 60, Subpart Ja	No changing attributes.
E10B10	Boilers/Steam Generators/Steam Generating Units	N/A	63DDDDD- BLR003	40 CFR Part 63, Subpart DDDDD	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E11TK323	Storage Tanks/Vessels	N/A	115TK-00183	30 TAC Chapter 115, Storage of VOCs	Storage Capacity = Capacity is greater than 40,000 gallons, Tank Description = Tank using a vapor recovery system (VRS), Control Device Type = Other vapor destruction unit, Product Stored = Crude oil and/or condensate
E11TK323	Storage Tanks/Vessels	N/A	115TK-00253	30 TAC Chapter 115, Storage of VOCs	Storage Capacity = Capacity is greater than 40,000 gallons, Tank Description = Tank using a vapor recovery system (VRS), Control Device Type = Other vapor destruction unit, Product Stored = VOC other than crude oil or condensate
E11TK323	Storage Tanks/Vessels	N/A	115TK-00329	30 TAC Chapter 115, Storage of VOCs	Storage Capacity = Capacity is greater than 40,000 gallons, Tank Description = Tank using an internal floating roof (IFR), Product Stored = Crude oil and/or condensate
E11TK323	Storage Tanks/Vessels	N/A	115TK-00334	30 TAC Chapter 115, Storage of VOCs	Storage Capacity = Capacity is greater than 40,000 gallons, Tank Description = Tank using an internal floating roof (IFR), Product Stored = VOC other than crude oil or condensate
E11TK323	Storage Tanks/Vessels	N/A	61FF-TK00996	40 CFR Part 61, Subpart FF	Tank Control Requirements = The tank has a fixed roof and closed vent system routing vapors to either a fuel gas system or control device., Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					<p>gas system., Closed Vent System and Control Device AMOC = Not using an alternate means of compliance, Alternate Monitoring Parameters = Alternate monitoring parameters not requested, Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351., Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks., Closed Vent System and Control Device = A closed vent system and control device is used., Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1)-(3)., Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device., Control Device Type/Operation = Thermal vapor incinerator that provides a minimum residence time of 0.5 seconds at a minimum temperature of 760° C</p>

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E11TK323	Storage Tanks/Vessels	N/A	61FF-TK01040	40 CFR Part 61, Subpart FF	Kb Tank Type = Using a fixed roof and internal floating roof, that meets the requirements of 40 CFR § 60.112b(a)(1), Seal Type = Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the vessel and the edge of the internal floating roof., Alternative Standard for Tanks = The tank is complying with the alternative standards in 40 CFR § 61.351.
E11TK323	Storage Tanks/Vessels	N/A	63CC-TANK00007	40 CFR Part 63, Subpart CC	Group 1 Storage Vessel = The storage vessel is a Group 2 vessel., Group 2 Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E11TK323	Storage Tanks/Vessels	N/A	63CC-TANK00169	40 CFR Part 63, Subpart CC	<p>Group 1 Applicability = The storage vessel is complying with 40 CFR Part 63, Subpart CC requirements in § 63.660, Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Emission Standard = Storage vessel is complying with 40 CFR Part 63, Subpart WW, WW Tank Control = An IFR is operated and maintained per 40 CFR § 63.1062(a)(1), Unslotted Guidepole = The tank uses an unslotted guidepole, Slotted Ladder = Storage vessel uses a ladder with at least one slotted leg, Seal Configuration = Two seals mounted one above the other, Inspection Requirement = Complying with the inspection requirement in §63.1063(c)(1)(ii), Slotted Guidepole = Slotted guidepole has a pole wiper and pole float per 40 CFR § 63.1063(a)(2)(viii)(A), True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p>

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E11TK323	Storage Tanks/Vessels	N/A	63CC-TANK00173	40 CFR Part 63, Subpart CC	<p>Group 1 Applicability = The storage vessel is complying with 40 CFR Part 63, Subpart CC requirements in § 63.660, Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Emission Standard = Storage vessel is complying with 40 CFR Part 63, Subpart WW, WW Tank Control = An IFR is operated and maintained per 40 CFR § 63.1062(a)(1), Unslotted Guidepole = The tank uses an unslotted guidepole, Slotted Ladder = Storage vessel uses a ladder with at least one slotted leg, Seal Configuration = Two seals mounted one above the other, Inspection Requirement = Complying with the inspection requirement in §63.1063(c)(1)(ii), Slotted Guidepole = Slotted guidepole has a pole wiper and pole sleeve per 40 CFR § 63.1063(a)(2)(viii)(B), True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa)</p>
E11TK323	Storage Tanks/Vessels	N/A	63G-TANK00033	40 CFR Part 63, Subpart G	<p>MACT Subpart F/G Applicability = The unit is a Group 2 vessel., NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.</p>

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E11TK323	Storage Tanks/Vessels	N/A	63G-TANK00050	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G)., Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa), Emission Control Type = Internal floating roof, Seal Type = Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the floating roof
E11TK325	Storage Tanks/Vessels	N/A	115TK-00329	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
E11TK325	Storage Tanks/Vessels	N/A	115TK-00334	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
E11TK325	Storage Tanks/Vessels	N/A	60Kb-00034	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum liquid (other than petroleum or condensate)
E11TK325	Storage Tanks/Vessels	N/A	60Kb-00097	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E11TK325	Storage Tanks/Vessels	N/A	60Kb-00352	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is less than 2.0 psia
E11TK325	Storage Tanks/Vessels	N/A	60Kb-00354	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia
E11TK325	Storage Tanks/Vessels	N/A	60Kb-00355	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Physical properties of the crude oil precluded determination of true vapor pressure by the recommended method
E11TK325	Storage Tanks/Vessels	N/A	60Kb-00430	40 CFR Part 60, Subpart Kb	Product Stored = Volatile organic liquid
E11TK325	Storage Tanks/Vessels	N/A	60Kb-00472	40 CFR Part 60, Subpart Kb	Product Stored = Waste mixture of indeterminate or variable composition
E11TK325	Storage Tanks/Vessels	N/A	61FF-TK01041	40 CFR Part 61, Subpart FF	No changing attributes.
E11TK329	Storage Tanks/Vessels	N/A	63CC-TANK00007	40 CFR Part 63, Subpart CC	No changing attributes.
E11TK330	Storage Tanks/Vessels	N/A	115TK-00334	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
E11TK330	Storage Tanks/Vessels	N/A	60Kb-00026	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum liquid (other than petroleum or condensate), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
E11TK330	Storage Tanks/Vessels	N/A	60Kb-00034	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum liquid (other than petroleum or condensate), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
E11TK330	Storage Tanks/Vessels	N/A	60Kb-00089	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
E11TK330	Storage Tanks/Vessels	N/A	60Kb-00097	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E11TK330	Storage Tanks/Vessels	N/A	60Kb-00312	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is less than 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
E11TK330	Storage Tanks/Vessels	N/A	60Kb-00314	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
E11TK330	Storage Tanks/Vessels	N/A	60Kb-00315	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Physical properties of the crude oil precluded determination of true vapor pressure by the recommended method, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E11TK330	Storage Tanks/Vessels	N/A	60Kb-00352	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is less than 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
E11TK330	Storage Tanks/Vessels	N/A	60Kb-00354	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
E11TK330	Storage Tanks/Vessels	N/A	60Kb-00355	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Physical properties of the crude oil precluded determination of true vapor pressure by the recommended method, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
E11TK330	Storage Tanks/Vessels	N/A	60Kb-00422	40 CFR Part 60, Subpart Kb	Product Stored = Volatile organic liquid, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E11TK330	Storage Tanks/Vessels	N/A	60Kb-00430	40 CFR Part 60, Subpart Kb	Product Stored = Volatile organic liquid, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
E11TK330	Storage Tanks/Vessels	N/A	60Kb-00464	40 CFR Part 60, Subpart Kb	Product Stored = Waste mixture of indeterminate or variable composition, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
E11TK330	Storage Tanks/Vessels	N/A	60Kb-00472	40 CFR Part 60, Subpart Kb	Product Stored = Waste mixture of indeterminate or variable composition, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
E11TK330	Storage Tanks/Vessels	N/A	63CC-TANK00007	40 CFR Part 63, Subpart CC	Group 1 Storage Vessel = The storage vessel is a Group 2 vessel., Group 2 Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E11TK330	Storage Tanks/Vessels	N/A	63CC-TANK00057	40 CFR Part 63, Subpart CC	Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal, Group 1 Applicability = The storage vessel is also subject to 40 CFR Part 60, Subpart Kb and is complying with that rule, Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Product Stored = Refined petroleum products, Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters), Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
E11TK330	Storage Tanks/Vessels	N/A	63CC-TANK00063	40 CFR Part 63, Subpart CC	Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal, Reid Vapor Pressure = Reid vapor pressure is less than 2.0 psia, Group 1 Applicability = The storage vessel is also subject to 40 CFR Part 60, Subpart Kb and is complying with that rule, Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Product Stored = Crude oil, Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters), Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E11TK330	Storage Tanks/Vessels	N/A	63CC-TANK00065	40 CFR Part 63, Subpart CC	Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal, Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Group 1 Applicability = The storage vessel is also subject to 40 CFR Part 60, Subpart Kb and is complying with that rule, Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Product Stored = Crude oil, Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters), Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E11TK330	Storage Tanks/Vessels	N/A	63CC-TANK00066	40 CFR Part 63, Subpart CC	<p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal, Reid Vapor Pressure = Physical properties of the crude oil precluded determination of true vapor pressure by the recommended method, Group 1 Applicability = The storage vessel is also subject to 40 CFR Part 60, Subpart Kb and is complying with that rule, Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Product Stored = Crude oil, Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters), Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p>

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E11TK330	Storage Tanks/Vessels	N/A	63CC-TANK00067	40 CFR Part 63, Subpart CC	<p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal, Reid Vapor Pressure = Physical properties of the crude oil precluded determination of true vapor pressure by the recommended method, Group 1 Applicability = The storage vessel is also subject to 40 CFR Part 60, Subpart Kb and is complying with that rule, Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Product Stored = Crude oil, Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters), Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p>

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E11TK330	Storage Tanks/Vessels	N/A	63CC-TANK00069	40 CFR Part 63, Subpart CC	<p>Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal, Group 1 Applicability = The storage vessel is also subject to 40 CFR Part 60, Subpart Kb and is complying with that rule, Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Product Stored = Waste mixture of indeterminate or variable composition, Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters), Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia</p>

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E11TK330	Storage Tanks/Vessels	N/A	63CC-TANK00071	40 CFR Part 63, Subpart CC	Storage Vessel Description = Fixed roof with an internal floating roof using a mechanical shoe seal, Group 1 Applicability = The storage vessel is also subject to 40 CFR Part 60, Subpart Kb and is complying with that rule, Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Product Stored = Volatile organic liquid other than crude oil, refined petroleum products or waste of variable or indeterminate composition, Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,416 liters), Maximum TVP = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
E11TK330	Storage Tanks/Vessels	N/A	63G-TANK00004	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 2 vessel., NSPS Subpart Kb Applicability = The unit is subject to 40 CFR Part 60, Subpart Kb.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E11TK330	Storage Tanks/Vessels	N/A	63G-TANK00051	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G)., Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa), Emission Control Type = Internal floating roof, Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)
E11TKR40	Storage Tanks/Vessels	N/A	115TK-00329	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
E11TKR40	Storage Tanks/Vessels	N/A	115TK-00334	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
E11TKR40	Storage Tanks/Vessels	N/A	60Kb-00472	40 CFR Part 60, Subpart Kb	No changing attributes.
E11TKR40	Storage Tanks/Vessels	N/A	60QQQ-TK00009	40 CFR Part 60, Subpart QQQ	No changing attributes.
E11TKR40	Storage Tanks/Vessels	N/A	61FF-TK01041	40 CFR Part 61, Subpart FF	No changing attributes.
E11TKS7	Storage Tanks/Vessels	N/A	115TK-00330	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 40,000 gallons

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E11TKS7	Storage Tanks/Vessels	N/A	115TK-00335	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
E11TKS7	Storage Tanks/Vessels	N/A	61FF-TK01042	40 CFR Part 61, Subpart FF	No changing attributes.
E11TKS7	Storage Tanks/Vessels	N/A	63CC-TANK00007	40 CFR Part 63, Subpart CC	Group 1 Storage Vessel = The storage vessel is a Group 2 vessel., Group 2 Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E11TKS7	Storage Tanks/Vessels	N/A	63CC-TANK00187	40 CFR Part 63, Subpart CC	<p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Group 1 Applicability = The storage vessel is complying with 40 CFR Part 63, Subpart CC requirements in § 63.660, Emission Standard = Storage vessel is complying with 40 CFR Part 63, Subpart WW, WW Tank Control = An EFR is operated and maintained per 40 CFR § 63.1062(a)(2), Unslotted Guide Pole = The tank uses an unslotted guide pole, Slotted Guide Pole = Slotted guide pole has a pole wiper and pole float per 40 CFR § 63.1063(a)(2)(viii)(A), Slotted Ladder = Storage vessel uses a ladder with at least one slotted leg, Seal Configuration = Mechanical shoe primary seal and a secondary seal</p>

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E11TKS7	Storage Tanks/Vessels	N/A	63CC-TANK00189	40 CFR Part 63, Subpart CC	<p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Group 1 Applicability = The storage vessel is complying with 40 CFR Part 63, Subpart CC requirements in § 63.660, Emission Standard = Storage vessel is complying with 40 CFR Part 63, Subpart WW, WW Tank Control = An EFR is operated and maintained per 40 CFR § 63.1062(a)(2), Unslotted Guide Pole = The tank uses an unslotted guide pole, Slotted Guide Pole = Slotted guide pole has a pole wiper and pole sleeve per 40 CFR § 63.1063(a)(2)(viii)(B), Slotted Ladder = Storage vessel uses a ladder with at least one slotted leg, Seal Configuration = Mechanical shoe primary seal and a secondary seal</p>
E11TKS7	Storage Tanks/Vessels	N/A	63G-TANK00033	40 CFR Part 63, Subpart G	<p>MACT Subpart F/G Applicability = The unit is a Group 2 vessel., NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.</p>

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E11TKS7	Storage Tanks/Vessels	N/A	63G-TANK00053	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G)., Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa), Emission Control Type = External floating roof, Seal Type = Two seals, one located above the other, the primary seal being a metallic shoe seal
E12FL101	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB00002	40 CFR Part 60, Subpart J	No changing attributes.
E12TK116	Storage Tanks/Vessels	N/A	60Kb-00094	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer
E12TK116	Storage Tanks/Vessels	N/A	60Kb-00427	40 CFR Part 60, Subpart Kb	Product Stored = Volatile organic liquid
E12TK117	Storage Tanks/Vessels	N/A	115TK-00330	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
E12TK117	Storage Tanks/Vessels	N/A	115TK-00335	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 40,000 gallons

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E12TK117	Storage Tanks/Vessels	N/A	63CC-TANK00007	40 CFR Part 63, Subpart CC	Group 1 Storage Vessel = The storage vessel is a Group 2 vessel., Group 2 Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.
E12TK117	Storage Tanks/Vessels	N/A	63CC-TANK00187	40 CFR Part 63, Subpart CC	True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Group 1 Applicability = The storage vessel is complying with 40 CFR Part 63, Subpart CC requirements in § 63.660, Emission Standard = Storage vessel is complying with 40 CFR Part 63, Subpart WW, WW Tank Control = An EFR is operated and maintained per 40 CFR § 63.1062(a)(2), Unslotted Guide Pole = The tank uses an unslotted guide pole, Slotted Guide Pole = Slotted guide pole has a pole wiper and pole float per 40 CFR § 63.1063(a)(2)(viii)(A), Slotted Ladder = Storage vessel uses a ladder with at least one slotted leg, Seal Configuration = Mechanical shoe primary seal and a secondary seal

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E12TK117	Storage Tanks/Vessels	N/A	63CC-TANK00189	40 CFR Part 63, Subpart CC	<p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Group 1 Applicability = The storage vessel is complying with 40 CFR Part 63, Subpart CC requirements in § 63.660, Emission Standard = Storage vessel is complying with 40 CFR Part 63, Subpart WW, WW Tank Control = An EFR is operated and maintained per 40 CFR § 63.1062(a)(2), Unslotted Guide Pole = The tank uses an unslotted guide pole, Slotted Guide Pole = Slotted guide pole has a pole wiper and pole sleeve per 40 CFR § 63.1063(a)(2)(viii)(B), Slotted Ladder = Storage vessel uses a ladder with at least one slotted leg, Seal Configuration = Mechanical shoe primary seal and a secondary seal</p>
E12TK145	Storage Tanks/Vessels	N/A	115TK-00329	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
E12TK145	Storage Tanks/Vessels	N/A	115TK-00334	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 40,000 gallons

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E12TK145	Storage Tanks/Vessels	N/A	63G-TANK00004	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 2 vessel., NSPS Subpart Kb Applicability = The unit is subject to 40 CFR Part 60, Subpart Kb.
E12TK145	Storage Tanks/Vessels	N/A	63G-TANK00051	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G)., Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa), Emission Control Type = Internal floating roof, Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)
E12TK146	Storage Tanks/Vessels	N/A	115TK-00329	30 TAC Chapter 115, Storage of VOCs	Storage Capacity = Capacity is greater than 40,000 gallons, Product Stored = Crude oil and/or condensate
E12TK146	Storage Tanks/Vessels	N/A	115TK-00334	30 TAC Chapter 115, Storage of VOCs	Storage Capacity = Capacity is greater than 40,000 gallons, Product Stored = VOC other than crude oil or condensate
E12TK146	Storage Tanks/Vessels	N/A	60Kb-00024	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum liquid (other than petroleum or condensate), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E12TK146	Storage Tanks/Vessels	N/A	60Kb-00032	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum liquid (other than petroleum or condensate), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
E12TK146	Storage Tanks/Vessels	N/A	60Kb-00087	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
E12TK146	Storage Tanks/Vessels	N/A	60Kb-00095	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
E12TK146	Storage Tanks/Vessels	N/A	60Kb-00302	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is less than 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E12TK146	Storage Tanks/Vessels	N/A	60Kb-00304	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
E12TK146	Storage Tanks/Vessels	N/A	60Kb-00305	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Physical properties of the crude oil precluded determination of true vapor pressure by the recommended method, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
E12TK146	Storage Tanks/Vessels	N/A	60Kb-00342	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is less than 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E12TK146	Storage Tanks/Vessels	N/A	60Kb-00344	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
E12TK146	Storage Tanks/Vessels	N/A	60Kb-00345	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Physical properties of the crude oil precluded determination of true vapor pressure by the recommended method, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
E12TK146	Storage Tanks/Vessels	N/A	60Kb-00420	40 CFR Part 60, Subpart Kb	Product Stored = Volatile organic liquid, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
E12TK146	Storage Tanks/Vessels	N/A	60Kb-00428	40 CFR Part 60, Subpart Kb	Product Stored = Volatile organic liquid, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E12TK146	Storage Tanks/Vessels	N/A	60Kb-00462	40 CFR Part 60, Subpart Kb	Product Stored = Waste mixture of indeterminate or variable composition, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
E12TK146	Storage Tanks/Vessels	N/A	60Kb-00470	40 CFR Part 60, Subpart Kb	Product Stored = Waste mixture of indeterminate or variable composition, Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
E12TK146	Storage Tanks/Vessels	N/A	63CC-TANK00025	40 CFR Part 63, Subpart CC	Product Stored = Refined petroleum products
E12TK146	Storage Tanks/Vessels	N/A	63CC-TANK00031	40 CFR Part 63, Subpart CC	Reid Vapor Pressure = Reid vapor pressure is less than 2.0 psia, Product Stored = Crude oil
E12TK146	Storage Tanks/Vessels	N/A	63CC-TANK00033	40 CFR Part 63, Subpart CC	Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Product Stored = Crude oil
E12TK146	Storage Tanks/Vessels	N/A	63CC-TANK00034	40 CFR Part 63, Subpart CC	Reid Vapor Pressure = Physical properties of the crude oil precluded determination of true vapor pressure by the recommended method, Product Stored = Crude oil
E12TK146	Storage Tanks/Vessels	N/A	63CC-TANK00037	40 CFR Part 63, Subpart CC	Product Stored = Waste mixture of indeterminate or variable composition

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E12TK146	Storage Tanks/Vessels	N/A	63CC-TANK00039	40 CFR Part 63, Subpart CC	Product Stored = Volatile organic liquid other than crude oil, refined petroleum products or waste of variable or indeterminate composition
E12TK146	Storage Tanks/Vessels	N/A	63G-TANK00004	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 2 vessel., NSPS Subpart Kb Applicability = The unit is subject to 40 CFR Part 60, Subpart Kb.
E12TK146	Storage Tanks/Vessels	N/A	63G-TANK00052	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G)., Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa), Emission Control Type = Internal floating roof, Seal Type = Liquid-mounted seal (as defined in 40 CFR § 63.111)
E14H1	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB00002	40 CFR Part 60, Subpart J	No changing attributes.
E14S511	Storage Tanks/Vessels	N/A	61FF-TK00996	40 CFR Part 61, Subpart FF	No changing attributes.
E14T202	Storage Tanks/Vessels	N/A	115TK-00171	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 40,000 gallons

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E14T202	Storage Tanks/Vessels	N/A	115TK-00227	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons
E14T202	Storage Tanks/Vessels	N/A	61FF-TK00996	40 CFR Part 61, Subpart FF	No changing attributes.
E14T203R	Storage Tanks/Vessels	N/A	61FF-TK00996	40 CFR Part 61, Subpart FF	No changing attributes.
E14T501A/B	Volatile Organic Compound Water Separators	N/A	115OWS-00029	30 TAC Chapter 115, Water Separation	No changing attributes.
E14T501A/B	Volatile Organic Compound Water Separators	N/A	61FF-OWS01013	40 CFR Part 61, Subpart FF	No changing attributes.
E14TK526	Storage Tanks/Vessels	N/A	115TK-00340	30 TAC Chapter 115, Storage of VOCs	Product Stored = Waxy, high pour point crude oil, Storage Capacity = Capacity is greater than 40,000 gallons
E14TK526	Storage Tanks/Vessels	N/A	115TK-00347	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
E14TK526	Storage Tanks/Vessels	N/A	115TK-00349	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
E14TK526	Storage Tanks/Vessels	N/A	60Kb-00474	40 CFR Part 60, Subpart Kb	No changing attributes.
E14TK526	Storage Tanks/Vessels	N/A	61FF-TK01043	40 CFR Part 61, Subpart FF	No changing attributes.
E14TK528	Storage Tanks/Vessels	N/A	115TK-00329	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 40,000 gallons

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E14TK528	Storage Tanks/Vessels	N/A	115TK-00334	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
E14TK528	Storage Tanks/Vessels	N/A	60Kb-00472	40 CFR Part 60, Subpart Kb	No changing attributes.
E14TK528	Storage Tanks/Vessels	N/A	61FF-TK01041	40 CFR Part 61, Subpart FF	No changing attributes.
E14TK530	Storage Tanks/Vessels	N/A	115TK-00335	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
E14TK530	Storage Tanks/Vessels	N/A	60Kb-00473	40 CFR Part 60, Subpart Kb	No changing attributes.
E14TK530	Storage Tanks/Vessels	N/A	61FF-TK01042	40 CFR Part 61, Subpart FF	No changing attributes.
E14TK530CC	Storage Tanks/Vessels	N/A	61FF-TK00513	40 CFR Part 61, Subpart FF	No changing attributes.
E14TK531	Storage Tanks/Vessels	N/A	115TK-00181	30 TAC Chapter 115, Storage of VOCs	Storage Capacity = Capacity is greater than 40,000 gallons, Control Device Type = Carbon adsorption system, Product Stored = Crude oil and/or condensate
E14TK531	Storage Tanks/Vessels	N/A	115TK-00183	30 TAC Chapter 115, Storage of VOCs	Storage Capacity = Capacity is greater than 40,000 gallons, Control Device Type = Other vapor destruction unit, Product Stored = Crude oil and/or condensate
E14TK531	Storage Tanks/Vessels	N/A	115TK-00251	30 TAC Chapter 115, Storage of VOCs	Storage Capacity = Capacity is greater than 40,000 gallons, Control Device Type = Carbon adsorption system, Product Stored = VOC other than crude oil or condensate

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E14TK531	Storage Tanks/Vessels	N/A	115TK-00253	30 TAC Chapter 115, Storage of VOCs	Storage Capacity = Capacity is greater than 40,000 gallons, Control Device Type = Other vapor destruction unit, Product Stored = VOC other than crude oil or condensate
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00031	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum liquid (other than petroleum or condensate), Storage Vessel Description = Emission controls not required (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00038	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum liquid (other than petroleum or condensate), Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00041	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum liquid (other than petroleum or condensate), Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 11.1 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00094	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer, Storage Vessel Description = Emission controls not required (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00101	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00104	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 11.1 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00337	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is less than 2.0 psia, Storage Vessel Description = Emission controls not required (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00339	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Storage Vessel Description = Emission controls not required (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00340	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Physical properties of the crude oil precluded determination of true vapor pressure by the recommended method, Storage Vessel Description = Emission controls not required (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00372	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is less than 2.0 psia, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00374	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00375	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Physical properties of the crude oil precluded determination of true vapor pressure by the recommended method, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00387	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is less than 2.0 psia, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 11.1 psia
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00389	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 11.1 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00390	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Physical properties of the crude oil precluded determination of true vapor pressure by the recommended method, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 11.1 psia
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00427	40 CFR Part 60, Subpart Kb	Product Stored = Volatile organic liquid, Storage Vessel Description = Emission controls not required (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00434	40 CFR Part 60, Subpart Kb	Product Stored = Volatile organic liquid, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00437	40 CFR Part 60, Subpart Kb	Product Stored = Volatile organic liquid, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 11.1 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00469	40 CFR Part 60, Subpart Kb	Product Stored = Waste mixture of indeterminate or variable composition, Storage Vessel Description = Emission controls not required (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00476	40 CFR Part 60, Subpart Kb	Product Stored = Waste mixture of indeterminate or variable composition, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
E14TK531	Storage Tanks/Vessels	N/A	60Kb-00479	40 CFR Part 60, Subpart Kb	Product Stored = Waste mixture of indeterminate or variable composition, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 11.1 psia
E14TK531	Storage Tanks/Vessels	N/A	61FF-TK00996	40 CFR Part 61, Subpart FF	Alternate Monitoring Parameters = Alternate monitoring parameters not requested, Control Device Type/Operation = Thermal vapor incinerator that provides a minimum residence time of 0.5 seconds at a minimum temperature of 760° C

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E14TK531	Storage Tanks/Vessels	N/A	61FF-TK01005	40 CFR Part 61, Subpart FF	Carbon Replacement Interval = The carbon in the carbon adsorption system is replaced when monitoring indicates breakthrough., Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation., Control Device Type/Operation = Carbon adsorption system that does not regenerate the carbon bed directly in the control device
E18TK112	Storage Tanks/Vessels	N/A	115TK-00330	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
E18TK112	Storage Tanks/Vessels	N/A	115TK-00335	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
E18TK112	Storage Tanks/Vessels	N/A	61FF-TK01042	40 CFR Part 61, Subpart FF	No changing attributes.
E18TK112	Storage Tanks/Vessels	N/A	63CC-TANK00007	40 CFR Part 63, Subpart CC	Group 1 Storage Vessel = The storage vessel is a Group 2 vessel., Group 2 Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E18TK112	Storage Tanks/Vessels	N/A	63CC-TANK00187	40 CFR Part 63, Subpart CC	<p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Group 1 Applicability = The storage vessel is complying with 40 CFR Part 63, Subpart CC requirements in § 63.660, Emission Standard = Storage vessel is complying with 40 CFR Part 63, Subpart WW, WW Tank Control = An EFR is operated and maintained per 40 CFR § 63.1062(a)(2), Unslotted Guide Pole = The tank uses an unslotted guide pole, Slotted Guide Pole = Slotted guide pole has a pole wiper and pole float per 40 CFR § 63.1063(a)(2)(viii)(A), Slotted Ladder = Storage vessel uses a ladder with at least one slotted leg, Seal Configuration = Mechanical shoe primary seal and a secondary seal</p>

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E18TK112	Storage Tanks/Vessels	N/A	63CC-TANK00189	40 CFR Part 63, Subpart CC	<p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Group 1 Applicability = The storage vessel is complying with 40 CFR Part 63, Subpart CC requirements in § 63.660, Emission Standard = Storage vessel is complying with 40 CFR Part 63, Subpart WW, WW Tank Control = An EFR is operated and maintained per 40 CFR § 63.1062(a)(2), Unslotted Guide Pole = The tank uses an unslotted guide pole, Slotted Guide Pole = Slotted guide pole has a pole wiper and pole sleeve per 40 CFR § 63.1063(a)(2)(viii)(B), Slotted Ladder = Storage vessel uses a ladder with at least one slotted leg, Seal Configuration = Mechanical shoe primary seal and a secondary seal</p>
E18TKCS3	Storage Tanks/Vessels	N/A	115TK-00164	30 TAC Chapter 115, Storage of VOCs	<p>Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 40,000 gallons</p>

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E18TKCS3	Storage Tanks/Vessels	N/A	115TK-00209	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons
E20H1	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB00002	40 CFR Part 60, Subpart J	No changing attributes.
E20H1	Process Heaters/Furnaces	N/A	63DDDDD- HTR003	40 CFR Part 63, Subpart DDDDD	No changing attributes.
E20V21A	Storage Tanks/Vessels	N/A	115TK-00169	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 40,000 gallons
E20V21A	Storage Tanks/Vessels	N/A	115TK-00214	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons
E20V21A	Storage Tanks/Vessels	N/A	61FF-TK01005	40 CFR Part 61, Subpart FF	No changing attributes.
E20V21A	Storage Tanks/Vessels	N/A	63G-TANK00033	40 CFR Part 63, Subpart G	No changing attributes.
E20V22	Storage Tanks/Vessels	N/A	115TK-00169	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 40,000 gallons
E20V22	Storage Tanks/Vessels	N/A	115TK-00214	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E20V22	Storage Tanks/Vessels	N/A	61FF-TK01005	40 CFR Part 61, Subpart FF	No changing attributes.
E20V22	Storage Tanks/Vessels	N/A	63G-TANK00033	40 CFR Part 63, Subpart G	No changing attributes.
E20V4	Storage Tanks/Vessels	N/A	115TK-00169	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 40,000 gallons
E20V4	Storage Tanks/Vessels	N/A	115TK-00214	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons
E20V4	Storage Tanks/Vessels	N/A	61FF-TK01005	40 CFR Part 61, Subpart FF	No changing attributes.
E20V4	Storage Tanks/Vessels	N/A	63G-TANK00033	40 CFR Part 63, Subpart G	No changing attributes.
E21H1	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB00002	40 CFR Part 60, Subpart J	No changing attributes.
E21H1	Process Heaters/Furnaces	N/A	63DDDDD-HTR003	40 CFR Part 63, Subpart DDDDD	No changing attributes.
E21H2	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB00002	40 CFR Part 60, Subpart J	No changing attributes.
E21H2	Process Heaters/Furnaces	N/A	63DDDDD-HTR003	40 CFR Part 63, Subpart DDDDD	No changing attributes.
E21H3	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB00002	40 CFR Part 60, Subpart J	No changing attributes.
E21H3	Process Heaters/Furnaces	N/A	63DDDDD-HTR003	40 CFR Part 63, Subpart DDDDD	No changing attributes.
E23H101A	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60Ja-COMB00023	40 CFR Part 60, Subpart Ja	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E23H101A	Process Heaters/Furnaces	N/A	63DDDDD- HTR003	40 CFR Part 63, Subpart DDDDD	No changing attributes.
E23H301B	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB00002	40 CFR Part 60, Subpart J	No changing attributes.
E23H301B	Process Heaters/Furnaces	N/A	63DDDDD- HTR003	40 CFR Part 63, Subpart DDDDD	No changing attributes.
E25H303	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB00002	40 CFR Part 60, Subpart J	No changing attributes.
E25H303	Process Heaters/Furnaces	N/A	63DDDDD- HTR003	40 CFR Part 63, Subpart DDDDD	No changing attributes.
E26F151	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB00002	40 CFR Part 60, Subpart J	No changing attributes.
E26F151	Process Heaters/Furnaces	N/A	63DDDDD- HTR003	40 CFR Part 63, Subpart DDDDD	No changing attributes.
E27H1	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB00002	40 CFR Part 60, Subpart J	No changing attributes.
E27H1	Process Heaters/Furnaces	N/A	63DDDDD- HTR003	40 CFR Part 63, Subpart DDDDD	No changing attributes.
E27H201	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB00002	40 CFR Part 60, Subpart J	No changing attributes.
E27H201	Process Heaters/Furnaces	N/A	63DDDDD- HTR003	40 CFR Part 63, Subpart DDDDD	No changing attributes.
E28H101	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB00002	40 CFR Part 60, Subpart J	No changing attributes.
E28H101	Process Heaters/Furnaces	N/A	63DDDDD- HTR003	40 CFR Part 63, Subpart DDDDD	No changing attributes.
E28H102	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB00002	40 CFR Part 60, Subpart J	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E28H102	Process Heaters/Furnaces	N/A	63DDDDD- HTR003	40 CFR Part 63, Subpart DDDDD	No changing attributes.
E29F511	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB00002	40 CFR Part 60, Subpart J	No changing attributes.
E29H417	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB00002	40 CFR Part 60, Subpart J	No changing attributes.
E29H417	Process Heaters/Furnaces	N/A	63DDDDD- HTR001	40 CFR Part 63, Subpart DDDDD	No changing attributes.
E29T111	Storage Tanks/Vessels	N/A	63CC-TANK00007	40 CFR Part 63, Subpart CC	No changing attributes.
E29T411	Storage Tanks/Vessels	N/A	63CC-TANK00007	40 CFR Part 63, Subpart CC	No changing attributes.
E310F101	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB00002	40 CFR Part 60, Subpart J	Facility Type = Fuel gas combustion device, other than a flare, that does not meet requirements in §§ 60.105(a)(4)(iv) or 60.105(b)., Monitoring Device = No instrument is in place for continuously monitoring and recording the concentration by volume of SO ₂ emissions into the atmosphere.
E310F101	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB00013	40 CFR Part 60, Subpart J	Facility Type = Fuel gas combustion device located at a petroleum refinery, other than a flare, that meets requirements in §§ 60.105(a)(4)(iv) or 60.105(b) [inherently low in sulfur content], Low Sulfur = Fuel gas stream that has been demonstrated to the Administrator according to § 60.105(a)(4)(iv)(D) and §60.105(b).
E310F101	Process Heaters/Furnaces	N/A	63DDDDD- HTR003	40 CFR Part 63, Subpart DDDDD	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
E340D107	Storage Tanks/Vessels	N/A	61FF-TK01028	40 CFR Part 61, Subpart FF	No changing attributes.
E36H201	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB00002	40 CFR Part 60, Subpart J	No changing attributes.
E36H201	Process Heaters/Furnaces	N/A	63DDDDD- HTR003	40 CFR Part 63, Subpart DDDDD	No changing attributes.
E46SP300	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB00002	40 CFR Part 60, Subpart J	No changing attributes.
FRACTANK2	Storage Tanks/Vessels	N/A	115TK-00214	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
FRACTANK2	Storage Tanks/Vessels	N/A	61FF-TK01005	40 CFR Part 61, Subpart FF	No changing attributes.
FU-115+	Fugitive Emission Units	N/A	R5322ALL	30 TAC Chapter 115, Fugitives Pet Ref B Counties	No changing attributes.
FU-60GGGA+	Fugitive Emission Units	N/A	60GGGA-ALL	40 CFR Part 60, Subpart GGGa	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
FU-60VVA+	Fugitive Emission Units	N/A	60VVA-1	40 CFR Part 60, Subpart VVa	EEL = No equivalent emission limitation is used for flares., Facility Type = Facility does not qualify for one of the exemptions in § 60.480a(d)., Produces Chemicals = The facility produces, as an intermediate or final product, one or more of the chemicals listed in 40 CFR § 60.489a., Affected Facility = The facility is an affected facility as defined in 40 CFR § 60.480a(a)(2)., Compliance Option = Choosing to comply with the provisions of 40 CFR Part 60, Subpart VVa., Complying with 60.482-10a = Flares are complying with 60.482-10a., Design Capacity = Site with a design capacity greater than or equal to 1,000 Mg/yr., Construction/Modification Date = After November 7, 2006., Flare = Fugitive unit contains flares.
FU-60VVA+	Fugitive Emission Units	N/A	60VVA-ALL	40 CFR Part 60, Subpart VVa	All fugitive components other than closed vent systems and control devices.
FU-63CC+	Fugitive Emission Units	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.

FU-63H+	Fugitive Emission Units	N/A	63H-0004	40 CFR Part 63, Subpart H	<p>REC/RECAP DEV (CVS) = COMPONENT NOT PRESENT, ENCL COMB DEV (CVS) = COMPONENT NOT PRESENT, FLARES (CVS) = COMPONENT PRESENT, BYPASS LINES = FUGITIVE UNIT CONTAINS ANY CLOSED-VENT SYSTEMS CONTAINING BY-PASS LINES THAT COULD DIVERT A VENT STREAM AWAY FROM THE CONTROL DEVICE AND TO THE ATMOSPHERE, UNSAFE TO INSPECT = FOR A FUGITIVE UNIT THAT CONTAINS ANY CLOSED-VENT SYSTEM, THERE ARE NO PARTS DESIGNATED AS UNSAFE TO INSPECT, DIFFICULT TO INSPECT = FOR A FUGITIVE UNIT THAT CONTAINS ANY CLOSED-VENT SYSTEM, THERE ARE NO PARTS DESIGNATED AS DIFFICULT TO INSPECT, EMPLOYEE NUMBER = THE CORPORATION EMPLOYS 100 OR MORE PERSONS, EQUIPMENT TYPE = FUGITIVE UNIT CONTAINS EQUIPMENT LISTED IN 40 CFR § 63.160(A) WHICH IS OPERATED IN ORGANIC HAZARDOUS AIR POLLUTANT SERVICE, NON R&D/BATCH PROCESSES = FUGITIVE UNIT CONTAINS PROCESSES OTHER THAN RESEARCH AND DEVELOPMENT FACILITIES AND BENCH-SCALE BATCH PROCESSES, VACUUM SERVICE = NOT ALL OF THE EQUIPMENT IN THE FUGITIVE</p>
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Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					UNIT IS IN VACUUM SERVICE, < 300 OPERATING HOURS = THE FUGITIVE UNIT DOES NOT CONTAIN ANY EQUIPMENT IN ORGANIC HAZARDOUS AIR POLLUTANT (HAP) SERVICE THAT IS INTENDED TO OPERATE LESS THAN 300 HOURS PER CALENDAR YEAR, HEAVY LIQUID SERVICE = NONE OF THE EQUIPMENT IN ORGANIC HAP SERVICE THAT IS INTENDED TO OPERATE LESS THAN 300 HOURS PER CALENDAR YEAR IS IN HEAVY LIQUID SERVICE, AMEL = FUGITIVE UNIT SOURCE OWNER/OPERATOR IS NOT ELECTING TO COMPLY WITH AN ALTERNATIVE MEANS OF EMISSION LIMITATION (AMEL), ANY (CLOSED VENT SYSTEMS) = COMPONENT PRESENT
FU-63H+	Fugitive Emission Units	N/A	63HALL	40 CFR Part 63, Subpart H	All fugitive components other than closed vent systems and control devices.
GGGGGEQLKS	Fugitive Emission Units	N/A	63GGGGG-EQLK01	40 CFR Part 63, Subpart GGGGG	No changing attributes.
GGGGGPVS	Emission Points/Stationary Vents/Process Vents	N/A	63GGGGG-VENT01	40 CFR Part 63, Subpart GGGGG	No changing attributes.
GGGGGRMMUS	Miscellaneous Units	N/A	63GGGGG-RMMU01	40 CFR Part 63, Subpart GGGGG	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP100-72+	Emission Points/Stationary Vents/Process Vents	E10B10ST, E23H101AST, E23H301BST, E25H303ST, E26F151ST, E27H1ST, E27H201ST, E28H101ST, E28H102ST, E29H417ST, E310F101ST, E36H201ST	111-VENT00004	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP100-72-	Emission Points/Stationary Vents/Process Vents	E20H1ST, E21H1ST, E21H2ST, E21H3ST	111-VENT00003	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRPCASFF	Closed Vent System And Control Device	CCT01, CCT11, JCTBOXCAS	61FF-CVS0020	40 CFR Part 61, Subpart FF	No changing attributes.
GRPEENG1	SRIC Engines	E01G1, E0340P113	63ZZZZ-ENG0004	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRPEENG2	SRIC Engines	E13G1	63ZZZZ-ENG0008	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRPEENG3	SRIC Engines	10GA1058, E13PE45, E13PE46, E13PE47	63ZZZZ-ENG0006	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRPEENG5	SRIC Engines	WWTPENG1, WWTPENG2	63ZZZZ-ENG0007	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRPEENG6	SRIC Engines	EFGEN1, EFGEN2	60IIII-0001	40 CFR Part 60, Subpart IIII	No changing attributes.
GRPEENG6	SRIC Engines	EFGEN1, EFGEN2	63ZZZZ-ENG0001	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
GRPEPU3	Chemical Manufacturing Process	PUDI, H, PUSULFOLAN	63F-00016	40 CFR Part 63, Subpart F	No changing attributes.
GRPEPV04	Emission Points/Stationary Vents/Process Vents	PVE46T301	115-VENT041	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRPEPV06	Emission Points/Stationary Vents/Process Vents	PVE29V212, PVE29V412, PVE310D110	115-VENT045	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRPEPV10	Emission Points/Stationary Vents/Process Vents	PVE20V14, PVE20V16, PVE20V18, PVE20V5	115-VENT051	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRPEPV10	Emission Points/Stationary Vents/Process Vents	PVE20V14, PVE20V16, PVE20V18, PVE20V5	63G-VENT0003	40 CFR Part 63, Subpart G	No changing attributes.
GRPETK03	Storage Tanks/Vessels	E11TKS6, E18TK110, E18TK111	115TK-00330	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
GRPETK03	Storage Tanks/Vessels	E11TKS6, E18TK110, E18TK111	115TK-00335	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
GRPETK03	Storage Tanks/Vessels	E11TKS6, E18TK110, E18TK111	63CC-TANK00007	40 CFR Part 63, Subpart CC	Group 1 Storage Vessel = The storage vessel is a Group 2 vessel., Group 2 Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPETH03	Storage Tanks/Vessels	E11TKS6, E18TK110, E18TK111	63CC-TANK00187	40 CFR Part 63, Subpart CC	<p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Group 1 Applicability = The storage vessel is complying with 40 CFR Part 63, Subpart CC requirements in § 63.660, Emission Standard = Storage vessel is complying with 40 CFR Part 63, Subpart WW, WW Tank Control = An EFR is operated and maintained per 40 CFR § 63.1062(a)(2), Unslotted Guide Pole = The tank uses an unslotted guide pole, Slotted Guide Pole = Slotted guide pole has a pole wiper and pole float per 40 CFR § 63.1063(a)(2)(viii)(A), Slotted Ladder = Storage vessel uses a ladder with at least one slotted leg, Seal Configuration = Mechanical shoe primary seal and a secondary seal</p>

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPETH03	Storage Tanks/Vessels	E11TKS6, E18TK110, E18TK111	63CC-TANK00189	40 CFR Part 63, Subpart CC	<p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Group 1 Applicability = The storage vessel is complying with 40 CFR Part 63, Subpart CC requirements in § 63.660, Emission Standard = Storage vessel is complying with 40 CFR Part 63, Subpart WW, WW Tank Control = An EFR is operated and maintained per 40 CFR § 63.1062(a)(2), Unslotted Guide Pole = The tank uses an unslotted guide pole, Slotted Guide Pole = Slotted guide pole has a pole wiper and pole sleeve per 40 CFR § 63.1063(a)(2)(viii)(B), Slotted Ladder = Storage vessel uses a ladder with at least one slotted leg, Seal Configuration = Mechanical shoe primary seal and a secondary seal</p>
GRPETH03	Storage Tanks/Vessels	E11TKS6, E18TK110, E18TK111	63G-TANK00033	40 CFR Part 63, Subpart G	<p>MACT Subpart F/G Applicability = The unit is a Group 2 vessel., NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.</p>

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPETK03	Storage Tanks/Vessels	E11TKS6, E18TK110, E18TK111	63G-TANK00053	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G)., Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa), Emission Control Type = External floating roof, Seal Type = Two seals, one located above the other, the primary seal being a metallic shoe seal
GRPETK12	Storage Tanks/Vessels	E11TKS43	63CC-TANK00007	40 CFR Part 63, Subpart CC	No changing attributes.
GRPETK12	Storage Tanks/Vessels	E11TKS43	63G-TANK00033	40 CFR Part 63, Subpart G	No changing attributes.
GRPETK23	Storage Tanks/Vessels	E11TKS21, E11TKS23, E11TKS31, E11TKS32, E11TKS41, E11TKS42	115TK-00329	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
GRPETK23	Storage Tanks/Vessels	E11TKS21, E11TKS23, E11TKS31, E11TKS32, E11TKS41, E11TKS42	115TK-00334	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 40,000 gallons

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPETK23	Storage Tanks/Vessels	E11TKS21, E11TKS23, E11TKS31, E11TKS32, E11TKS41, E11TKS42	63CC-TANK00007	40 CFR Part 63, Subpart CC	Group 1 Storage Vessel = The storage vessel is a Group 2 vessel., Group 2 Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.
GRPETK23	Storage Tanks/Vessels	E11TKS21, E11TKS23, E11TKS31, E11TKS32, E11TKS41, E11TKS42	63CC-TANK00158	40 CFR Part 63, Subpart CC	True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Group 1 Applicability = The storage vessel is complying with 40 CFR Part 63, Subpart CC requirements in § 63.660, Emission Standard = Storage vessel is complying with 40 CFR Part 63, Subpart WW, WW Tank Control = An IFR is operated and maintained per 40 CFR § 63.1062(a)(1), Unslotted Guide Pole = The tank uses an unslotted guide pole, Slotted Guide Pole = Slotted guide pole has a pole wiper and pole float per 40 CFR § 63.1063(a)(2)(viii)(A), Slotted Ladder = Storage vessel uses a ladder with at least one slotted leg, Seal Configuration = Mechanical shoe seal

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPETK23	Storage Tanks/Vessels	E11TKS21, E11TKS23, E11TKS31, E11TKS32, E11TKS41, E11TKS42	63CC-TANK00160	40 CFR Part 63, Subpart CC	<p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Group 1 Applicability = The storage vessel is complying with 40 CFR Part 63, Subpart CC requirements in § 63.660, Emission Standard = Storage vessel is complying with 40 CFR Part 63, Subpart WW, WW Tank Control = An IFR is operated and maintained per 40 CFR § 63.1062(a)(1), Unslotted Guide Pole = The tank uses an unslotted guide pole, Slotted Guide Pole = Slotted guide pole has a pole wiper and pole sleeve per 40 CFR § 63.1063(a)(2)(viii)(B), Slotted Ladder = Storage vessel uses a ladder with at least one slotted leg, Seal Configuration = Mechanical shoe seal</p>
GRPETK23	Storage Tanks/Vessels	E11TKS21, E11TKS23, E11TKS31, E11TKS32, E11TKS41, E11TKS42	63G-TANK00033	40 CFR Part 63, Subpart G	<p>MACT Subpart F/G Applicability = The unit is a Group 2 vessel., NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.</p>

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPETH23	Storage Tanks/Vessels	E11TKS21, E11TKS23, E11TKS31, E11TKS32, E11TKS41, E11TKS42	63G-TANK00051	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G)., Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa), Emission Control Type = Internal floating roof, Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)
GRPETH52	Storage Tanks/Vessels	E13V7, E25D311, E46V304	61FF-TK01028	40 CFR Part 61, Subpart FF	No changing attributes.
GRPETH53	Storage Tanks/Vessels	E14S505, E14S512	61FF-TK00996	40 CFR Part 61, Subpart FF	No changing attributes.
GRPETH56	Storage Tanks/Vessels	E20V24, E23V406	61FF-TK01028	40 CFR Part 61, Subpart FF	No changing attributes.
GRPETH58	Storage Tanks/Vessels	E11TK331	63CC-TANK00007	40 CFR Part 63, Subpart CC	No changing attributes.
GRPETH58	Storage Tanks/Vessels	E11TK331	63G-TANK00033	40 CFR Part 63, Subpart G	No changing attributes.
GRPETH60	Storage Tanks/Vessels	E11TKS30, E11TKS8	115TK-00329	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
GRPETH60	Storage Tanks/Vessels	E11TKS30, E11TKS8	115TK-00334	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
GRPETH60	Storage Tanks/Vessels	E11TKS30, E11TKS8	61FF-TK01041	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
GRPETK60	Storage Tanks/Vessels	E11TKS30, E11TKS8	63CC-TANK00007	40 CFR Part 63, Subpart CC	Group 1 Storage Vessel = The storage vessel is a Group 2 vessel., Group 2 Applicability = The storage vessel is required to comply with 40 CFR Part 63, Subpart CC and is part of a process unit.
GRPETK60	Storage Tanks/Vessels	E11TKS30, E11TKS8	63CC-TANK00158	40 CFR Part 63, Subpart CC	True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Group 1 Applicability = The storage vessel is complying with 40 CFR Part 63, Subpart CC requirements in § 63.660, Emission Standard = Storage vessel is complying with 40 CFR Part 63, Subpart WW, WW Tank Control = An IFR is operated and maintained per 40 CFR § 63.1062(a)(1), Unslotted Guide Pole = The tank uses an unslotted guide pole, Slotted Guide Pole = Slotted guide pole has a pole wiper and pole float per 40 CFR § 63.1063(a)(2)(viii)(A), Slotted Ladder = Storage vessel uses a ladder with at least one slotted leg, Seal Configuration = Mechanical shoe seal

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPETK60	Storage Tanks/Vessels	E11TKS30, E11TKS8	63CC-TANK00160	40 CFR Part 63, Subpart CC	<p>True Vapor Pressure = Maximum true vapor pressure of the total organic HAPs in the liquid is less than 11.11 psi (76.6 kPa), Group 1 Storage Vessel = The storage vessel is a Group 1 storage vessel (as defined in 40 CFR § 63.641), Group 1 Applicability = The storage vessel is complying with 40 CFR Part 63, Subpart CC requirements in § 63.660, Emission Standard = Storage vessel is complying with 40 CFR Part 63, Subpart WW, WW Tank Control = An IFR is operated and maintained per 40 CFR § 63.1062(a)(1), Unslotted Guide Pole = The tank uses an unslotted guide pole, Slotted Guide Pole = Slotted guide pole has a pole wiper and pole sleeve per 40 CFR § 63.1063(a)(2)(viii)(B), Slotted Ladder = Storage vessel uses a ladder with at least one slotted leg, Seal Configuration = Mechanical shoe seal</p>
GRPETK60	Storage Tanks/Vessels	E11TKS30, E11TKS8	63G-TANK00033	40 CFR Part 63, Subpart G	<p>MACT Subpart F/G Applicability = The unit is a Group 2 vessel., NSPS Subpart Kb Applicability = The unit is not subject to 40 CFR Part 60, Subpart Kb.</p>

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPETK60	Storage Tanks/Vessels	E11TKS30, E11TKS8	63G-TANK00051	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G)., Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa), Emission Control Type = Internal floating roof, Seal Type = Metallic shoe seal (as defined in 40 CFR § 63.111)
GRPETK61	Storage Tanks/Vessels	E14TK527R	115TK-00183	30 TAC Chapter 115, Storage of VOCs	Product Stored = Crude oil and/or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
GRPETK61	Storage Tanks/Vessels	E14TK527R	115TK-00253	30 TAC Chapter 115, Storage of VOCs	Product Stored = VOC other than crude oil or condensate, Storage Capacity = Capacity is greater than 40,000 gallons
GRPETK61	Storage Tanks/Vessels	E14TK527R	60Kb-00031	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum liquid (other than petroleum or condensate), Storage Vessel Description = Emission controls not required (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPETK61	Storage Tanks/Vessels	E14TK527R	60Kb-00038	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum liquid (other than petroleum or condensate), Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRPETK61	Storage Tanks/Vessels	E14TK527R	60Kb-00041	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum liquid (other than petroleum or condensate), Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 11.1 psia
GRPETK61	Storage Tanks/Vessels	E14TK527R	60Kb-00094	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer, Storage Vessel Description = Emission controls not required (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPETK61	Storage Tanks/Vessels	E14TK527R	60Kb-00101	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRPETK61	Storage Tanks/Vessels	E14TK527R	60Kb-00104	40 CFR Part 60, Subpart Kb	Product Stored = Petroleum (other than crude oil) or condensate stored, processed, and/or treated after custody transfer, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 11.1 psia
GRPETK61	Storage Tanks/Vessels	E14TK527R	60Kb-00337	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is less than 2.0 psia, Storage Vessel Description = Emission controls not required (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPETH61	Storage Tanks/Vessels	E14TK527R	60Kb-00339	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Storage Vessel Description = Emission controls not required (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
GRPETH61	Storage Tanks/Vessels	E14TK527R	60Kb-00340	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Physical properties of the crude oil precluded determination of true vapor pressure by the recommended method, Storage Vessel Description = Emission controls not required (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPETK61	Storage Tanks/Vessels	E14TK527R	60Kb-00372	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is less than 2.0 psia, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRPETK61	Storage Tanks/Vessels	E14TK527R	60Kb-00374	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPETH61	Storage Tanks/Vessels	E14TK527R	60Kb-00375	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Physical properties of the crude oil precluded determination of true vapor pressure by the recommended method, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRPETH61	Storage Tanks/Vessels	E14TK527R	60Kb-00387	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is less than 2.0 psia, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 11.1 psia
GRPETH61	Storage Tanks/Vessels	E14TK527R	60Kb-00389	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Reid vapor pressure is greater than or equal to 2.0 psia, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 11.1 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPETH61	Storage Tanks/Vessels	E14TK527R	60Kb-00390	40 CFR Part 60, Subpart Kb	Product Stored = Crude oil stored, processed, and/or treated after custody transfer, Reid Vapor Pressure = Physical properties of the crude oil precluded determination of true vapor pressure by the recommended method, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 11.1 psia
GRPETH61	Storage Tanks/Vessels	E14TK527R	60Kb-00427	40 CFR Part 60, Subpart Kb	Product Stored = Volatile organic liquid, Storage Vessel Description = Emission controls not required (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
GRPETH61	Storage Tanks/Vessels	E14TK527R	60Kb-00434	40 CFR Part 60, Subpart Kb	Product Stored = Volatile organic liquid, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRPETH61	Storage Tanks/Vessels	E14TK527R	60Kb-00437	40 CFR Part 60, Subpart Kb	Product Stored = Volatile organic liquid, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 11.1 psia

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPETH61	Storage Tanks/Vessels	E14TK527R	60Kb-00469	40 CFR Part 60, Subpart Kb	Product Stored = Waste mixture of indeterminate or variable composition, Storage Vessel Description = Emission controls not required (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.5 psia but less than 0.75 psia
GRPETH61	Storage Tanks/Vessels	E14TK527R	60Kb-00476	40 CFR Part 60, Subpart Kb	Product Stored = Waste mixture of indeterminate or variable composition, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 0.75 psia but less than 11.1 psia
GRPETH61	Storage Tanks/Vessels	E14TK527R	60Kb-00479	40 CFR Part 60, Subpart Kb	Product Stored = Waste mixture of indeterminate or variable composition, Storage Vessel Description = CVS and control device other than a flare (fixed roof), Maximum True Vapor Pressure = True vapor pressure is greater than or equal to 11.1 psia
GRPETH61	Storage Tanks/Vessels	E14TK527R	61FF-TK00996	40 CFR Part 61, Subpart FF	No changing attributes.
GRPETHP1	Treatment Process	TPE14TK527R	61FF-TP00002	40 CFR Part 61, Subpart FF	No changing attributes.
LPGLOAD	Loading/Unloading Operations	N/A	115NC-LD00010	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
MARINETERM	Loading/Unloading Operations	N/A	61BB-00011	40 CFR Part 61, Subpart BB	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
MARINETERM	Loading/Unloading Operations	N/A	63CC-MLOAD00002	40 CFR Part 63, Subpart CC	No changing attributes.
MARINETERM	Loading/Unloading Operations	N/A	63Y-00006	40 CFR Part 63, Subpart Y	No changing attributes.
PORTFGCDJ	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB0001	40 CFR Part 60, Subpart J	Monitoring Device = No instrument is in place for continuously monitoring and recording the concentration by volume of SO ₂ emissions into the atmosphere.
PORTFGCDJ	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-COMB0002	40 CFR Part 60, Subpart J	Monitoring Device = An instrument is in place for continuously monitoring and recording the concentration by volume of SO ₂ emissions into the atmosphere.
PORTFGCDJA	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60Ja-COMB0001	40 CFR Part 60, Subpart Ja	Common Source of Fuel Gas = The fuel gas combustion device does not use a common source of gas as described in §60.107a(a)(2)(iv), Sulfur Emission Limit = Owner or operator is choosing Sulfur Emission Limit in terms of ppmv H ₂ S in fuel gas
PORTFGCDJA	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60Ja-COMB0002	40 CFR Part 60, Subpart Ja	Sulfur Emission Limit = Owner or operator is choosing Sulfur Emission Limit in terms of ppmv SO ₂ emitted
PRO29SRU	Gas Sweetening/Sulfur Recovery Units	N/A	112-SRU00002	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
PRO29SRU	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60Ja-SRU00003	40 CFR Part 60, Subpart Ja	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
PRO29SRU	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	63UUU-SRU00006	40 CFR Part 63, Subpart UUU	SRU Bypass Line = Install and operate an automated system to detect flow in the bypass line.
PRO29SRU	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	63UUU-SRU00007	40 CFR Part 63, Subpart UUU	SRU Bypass Line = Use a manual lock system by installing a car-seal or lock-and-key device.
PRO46SRU	Gas Sweetening/Sulfur Recovery Units	N/A	112-SRU00002	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
PRO46SRU	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60Ja-SRU00003	40 CFR Part 60, Subpart Ja	No changing attributes.
PRO46SRU	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	63UUU-SRU00006	40 CFR Part 63, Subpart UUU	No changing attributes.
PROBTX	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	63UUU-CRU00005	40 CFR Part 63, Subpart UUU	No changing attributes.
PROFCCU	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-FCCU00001	40 CFR Part 60, Subpart J	No changing attributes.
PROFCCU	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	63UUU-FCCU00003	40 CFR Part 63, Subpart UUU	No changing attributes.
PVE20V10	Emission Points/Stationary Vents/Process Vents	N/A	63G-VENT00023	40 CFR Part 63, Subpart G	No changing attributes.
PVE310R102	Emission Points/Stationary Vents/Process Vents	N/A	111-VENT00035	30 TAC Chapter 111, Visible Emissions	No changing attributes.
PVE310R102	Emission Points/Stationary Vents/Process Vents	N/A	115-VENT045	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
SURFCOAT	Surface Coating Operations	N/A	115-COAT00022	30 TAC Chapter 115, Surface Coating Operations	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
TPE14TK531	Treatment Process	N/A	61FF-TP00002	40 CFR Part 61, Subpart FF	Control Device Type/Operation = Thermal vapor incinerator that provides a minimum residence time of 0.5 seconds at a minimum temperature of 760 degrees C., Alternate Monitoring Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.
TPE14TK531	Treatment Process	N/A	61FF-TP00004	40 CFR Part 61, Subpart FF	Engineering Calculations = Engineering calculations show that the control device is proven to achieve its emission limitation., Control Device Type/Operation = Carbon adsorption system that does not regenerate the carbon bed directly in the control device., Carbon Replacement Interval = The carbon in the carbon adsorption system is replaced on indication of breakthrough.
VSSRU1	Vacuum Producing Systems	N/A	115-VAC00016	30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref	No changing attributes.
VSSRU2	Vacuum Producing Systems	N/A	115-VAC00016	30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref	No changing attributes.
VSSULFJ2	Vacuum Producing Systems	N/A	115-VAC00016	30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
09GA125	EU	63ZZZZ-ENG0001	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table 2c.2 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i)	For each existing non-emergency, non-black start stationary CI RICE with a site rating less than 100 HP, located at a major source, you must comply with the requirements as specified in Table 2c.2.a-c.	§ 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
09GA944	EU	60IIII-0001	CO	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039-Appendix I § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039-Appendix I and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
09GA944	EU	60III-0001	NMHC and NO _x	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039-Appendix I § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 56 KW but less than 75 KW and a displacement of less than 10 liters per cylinder and is a 2008 - 2013 model year must comply with an NMHC+NO _x emission limit of 4.7 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039-Appendix I and 40 CFR 1039.102.	None	None	None
09GA944	EU	60III-0001	PM	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039-Appendix I § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 56 KW and less than 75 KW and a displacement of less than 10 liters per cylinder and is a 2008 - 2011 model year must comply with a PM emission limit of 0.40 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039-Appendix I and 40 CFR 1039.102.	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)
09GA944	EU	60III-0001	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039.105(b)(1) § 1039.105(b)(2) § 1039.105(b)(3) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a displacement of less than 10 liters per cylinder and is not a constant-speed engine and is a 2007 model year and later must comply with the following opacity emission limits: 20% during the acceleration mode, 15% during the lugging mode, and 50% during the peaks in either the acceleration or lugging modes as stated in 40 CFR 60.4201(a)-(c) and 40 CFR 1039.105(b)(1)-(3).	None	None	None
09GA944	EU	63ZZZZ-ENG0001	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
62GA2223	EU	60III-0001	CO	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039-Appendix I § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039-Appendix I and 40 CFR 1039.102 and 40 CFR 1039.101.	None	None	None
62GA2223	EU	60III-0001	NMHC and NO _x	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039-Appendix I § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power less than 75 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year must comply with an NMHC+NO _x emission limit of 7.5 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039-Appendix I.	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)
62GA2223	EU	60III-0001	PM	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039-Appendix I § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a maximum engine power greater than or equal to 37 KW and less than 75 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year must comply with a PM emission limit of 0.40 g/KW-hr as stated in 40 CFR 60.4201(a) and 40 CFR 1039-Appendix I	None	None	None
62GA2223	EU	60III-0001	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4204(b) § 1039.105(b)(1) § 1039.105(b)(2) § 1039.105(b)(3) § 60.4201(a) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) § 60.4218	Owners and operators of non-emergency stationary CI ICE with a displacement of less than 10 liters per cylinder and is not a constant-speed engine and is a 2007 model year and later must comply with the following opacity emission limits: 20% during the acceleration mode, 15% during the lugging mode, and 50% during the peaks in either the acceleration or lugging modes as stated in 40 CFR 60.4201(a)-(c) and 40 CFR 1039.105(b)(1)-(3).	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)
62GA2223	EU	63ZZZZ-ENG0001	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
E01FL100	EU	111-FLARE00004	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
E01FL100	CD	60A-FLARE00004	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

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E01FL100	CD	60A-FLARE00005	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)(iii) § 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) § 60.18(f)(5)	None	None
E01FL100	CD	60A-FLARE00006	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
E01FL100	EU	60Ja-COMB00003	Hydrogen Sulfide	40 CFR Part 60, Subpart Ja	§ 60.103a(h) [G]§ 60.103a(a) [G]§ 60.103a(b) § 60.103a(c) [G]§ 60.103a(c)(1) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(2) § 60.103a(d)(3) § 60.103a(d)(5) [G]§ 60.103a(e)	Each owner or operator shall not burn in any affected flare any fuel gas that contains H2S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis. The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this limit.	[G]§ 60.103a(a) § 60.104a(a) § 60.104a(c) [G]§ 60.104a(j) § 60.107a(a) § 60.107a(a)(2) § 60.107a(a)(2)(i) § 60.107a(a)(2)(ii) § 60.107a(a)(2)(iii) § 60.107a(a)(2)(v) § 60.107a(e) [G]§ 60.107a(e)(1) [G]§ 60.107a(e)(2) § 60.107a(e)(3) [G]§ 60.107a(f) § 60.107a(i) § 60.107a(i)(2)(i)	§ 60.108a(c) § 60.108a(c)(1) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	[G]§ 60.103a(b) [G]§ 60.108a(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E01FL100	CD	63A-FLARE00005	112(B) HAPS	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
E01FL100	CD	63A-FLARE00006	112(B) HAPS	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)(iii)	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
E01FL100	CD	63A-FLARE00007	112(B) HAPS	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)
E01FL100	CD	63CC-FLARE0004	Opacity	40 CFR Part 63, Subpart CC	§ 63.670(c) § 63.642(b) § 63.642(n) § 63.670 § 63.670(b) § 63.670(d) § 63.670(d)(1) § 63.670(e) § 63.670(o) [G]§ 63.670(o)(1) [G]§ 63.670(o)(2) [G]§ 63.670(o)(3) [G]§ 63.670(o)(4) [G]§ 63.670(o)(5) § 63.670(o)(6) [G]§ 63.670(o)(7) [G]§ 63.671(c)	Visible emissions. The owner or operator shall specify the smokeless design capacity of each flare and operate with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours, when regulated material is routed to the flare and the flare vent gas flow rate is less than the smokeless design capacity of the flare. The owner or operator shall monitor for visible emissions from the flare as specified in §63.670(h).	§ 63.642(d)(1) § 63.670(b) § 63.670(c) § 63.670(d)(1) § 63.670(e) § 63.670(g) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(k) [G]§ 63.670(m) [G]§ 63.671(a) [G]§ 63.671(b) [G]§ 63.671(c) [G]§ 63.671(d) [G]§ 63.671(e)	§ 63.655(i) § 63.655(i)(6) § 63.655(i)(9) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(o)(1) [G]§ 63.670(o)(5) § 63.670(o)(6) § 63.670(p) [G]§ 63.671(a) [G]§ 63.671(b)	§ 63.642(f) § 63.655(g) § 63.655(g)(11) § 63.655(g)(14) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(o)(2) § 63.670(q)
E01FL100	CD	63CC-FLARE0007	Opacity	40 CFR Part 63, Subpart CC	§ 63.670(c) § 63.642(b) § 63.642(n) § 63.670 § 63.670(b) § 63.670(d) § 63.670(d)(2) § 63.670(e) § 63.670(o) [G]§ 63.670(o)(1) [G]§ 63.670(o)(2) [G]§ 63.670(o)(3) [G]§ 63.670(o)(4) [G]§ 63.670(o)(5) § 63.670(o)(6) [G]§ 63.670(o)(7) [G]§ 63.671(c)	Visible emissions. The owner or operator shall specify the smokeless design capacity of each flare and operate with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours, when regulated material is routed to the flare and the flare vent gas flow rate is less than the smokeless design capacity of the flare. The owner or operator shall monitor for visible emissions from the flare as specified in §63.670(h).	§ 63.642(d)(1) § 63.670(b) § 63.670(c) § 63.670(d)(2) § 63.670(e) § 63.670(g) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(k) [G]§ 63.670(l) [G]§ 63.670(m) [G]§ 63.671(a) [G]§ 63.671(b) [G]§ 63.671(c) [G]§ 63.671(d) [G]§ 63.671(e)	§ 63.655(i) § 63.655(i)(6) § 63.655(i)(9) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(o)(1) [G]§ 63.670(o)(5) § 63.670(o)(6) § 63.670(p) [G]§ 63.671(a) [G]§ 63.671(b)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(11) § 63.655(g)(14) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(l) [G]§ 63.670(o)(2) § 63.670(q)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E01FL101	EU	111-FLARE00004	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
E01FL101	CD	60A-FLARE00004	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
E01FL101	CD	60A-FLARE00005	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)(iii) § 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) § 60.18(f)(5)	None	None
E01FL101	CD	60A-FLARE00006	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

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E01FL101	EU	60Ja-COMB00003	Hydrogen Sulfide	40 CFR Part 60, Subpart Ja	§ 60.103a(h) [G]§ 60.103a(a) [G]§ 60.103a(b) § 60.103a(c) [G]§ 60.103a(c)(1) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(2) § 60.103a(d)(3) § 60.103a(d)(5) [G]§ 60.103a(e)	Each owner or operator shall not burn in any affected flare any fuel gas that contains H2S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis. The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this limit.	[G]§ 60.103a(a) § 60.104a(a) § 60.104a(c) [G]§ 60.104a(j) § 60.107a(a) § 60.107a(a)(2) § 60.107a(a)(2)(i) § 60.107a(a)(2)(ii) § 60.107a(a)(2)(iii) § 60.107a(a)(2)(v) § 60.107a(e) [G]§ 60.107a(e)(1) [G]§ 60.107a(e)(2) § 60.107a(e)(3) [G]§ 60.107a(f) § 60.107a(i) § 60.107a(i)(2)(i)	§ 60.108a(c) § 60.108a(c)(1) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	[G]§ 60.103a(b) [G]§ 60.108a(d)
E01FL101	EU	60Ja-COMB00004	Hydrogen Sulfide	40 CFR Part 60, Subpart Ja	§ 60.103a(h) [G]§ 60.103a(a) [G]§ 60.103a(b) § 60.103a(c) [G]§ 60.103a(c)(1) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(2) § 60.103a(d)(3) § 60.103a(d)(5) [G]§ 60.103a(e) [G]§ 60.107a(b) [G]§ 60.107a(e)(4)	Each owner or operator shall not burn in any affected flare any fuel gas that contains H2S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis. The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from this limit.	[G]§ 60.103a(a) § 60.104a(a) § 60.104a(c) [G]§ 60.104a(j) [G]§ 60.107a(a)(3) § 60.107a(a)(4) § 60.107a(i) § 60.107a(i)(2)(ii)	§ 60.108a(c) § 60.108a(c)(1) § 60.108a(c)(5) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	[G]§ 60.103a(b) [G]§ 60.108a(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E01FL101	CD	63A-FLARE00005	112(B) HAPS	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
E01FL101	CD	63A-FLARE00006	112(B) HAPS	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)(iii)	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
E01FL101	CD	63A-FLARE00007	112(B) HAPS	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)
E01FL101	CD	63CC-FLARE0004	Opacity	40 CFR Part 63, Subpart CC	§ 63.670(c) § 63.642(b) § 63.642(n) § 63.670 § 63.670(b) § 63.670(d) § 63.670(d)(1) § 63.670(e) § 63.670(o) [G]§ 63.670(o)(1) [G]§ 63.670(o)(2) [G]§ 63.670(o)(3) [G]§ 63.670(o)(4) [G]§ 63.670(o)(5) § 63.670(o)(6) [G]§ 63.670(o)(7) [G]§ 63.671(c)	Visible emissions. The owner or operator shall specify the smokeless design capacity of each flare and operate with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours, when regulated material is routed to the flare and the flare vent gas flow rate is less than the smokeless design capacity of the flare. The owner or operator shall monitor for visible emissions from the flare as specified in §63.670(h).	§ 63.642(d)(1) § 63.670(b) § 63.670(c) § 63.670(d)(1) § 63.670(e) § 63.670(g) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(k) [G]§ 63.670(m) [G]§ 63.671(a) [G]§ 63.671(b) [G]§ 63.671(c) [G]§ 63.671(d) [G]§ 63.671(e)	§ 63.655(i) § 63.655(i)(6) § 63.655(i)(9) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(o)(1) [G]§ 63.670(o)(5) § 63.670(o)(6) § 63.670(p) [G]§ 63.671(a) [G]§ 63.671(b)	§ 63.642(f) § 63.655(g) § 63.655(g)(11) § 63.655(g)(14) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(o)(2) § 63.670(q)
E01FL101	CD	63CC-FLARE0007	Opacity	40 CFR Part 63, Subpart CC	§ 63.670(c) § 63.642(b) § 63.642(n) § 63.670 § 63.670(b) § 63.670(d) § 63.670(d)(2) § 63.670(e) § 63.670(o) [G]§ 63.670(o)(1) [G]§ 63.670(o)(2) [G]§ 63.670(o)(3) [G]§ 63.670(o)(4) [G]§ 63.670(o)(5) § 63.670(o)(6) [G]§ 63.670(o)(7) [G]§ 63.671(c)	Visible emissions. The owner or operator shall specify the smokeless design capacity of each flare and operate with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours, when regulated material is routed to the flare and the flare vent gas flow rate is less than the smokeless design capacity of the flare. The owner or operator shall monitor for visible emissions from the flare as specified in §63.670(h).	§ 63.642(d)(1) § 63.670(b) § 63.670(c) § 63.670(d)(2) § 63.670(e) § 63.670(g) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(k) [G]§ 63.670(l) [G]§ 63.670(m) [G]§ 63.671(a) [G]§ 63.671(b) [G]§ 63.671(c) [G]§ 63.671(d) [G]§ 63.671(e)	§ 63.655(i) § 63.655(i)(6) § 63.655(i)(9) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(j) [G]§ 63.670(o)(1) [G]§ 63.670(o)(5) § 63.670(o)(6) § 63.670(p) [G]§ 63.671(a) [G]§ 63.671(b)	§ 63.642(f) § 63.655(g) [G]§ 63.655(g)(11) § 63.655(g)(14) [G]§ 63.670(h) [G]§ 63.670(i) [G]§ 63.670(o)(2) § 63.670(q)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E0320D128	EU	63CC-TANK00007	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
E10B10	EU	60Db-00169	NO _x	40 CFR Part 60, Subpart Db	§ 60.44b(l)(1) § 60.44b(h) § 60.44b(i) § 60.46b(a)	Affected facilities combusting coal, oil, or natural gas, or a mixture of these fuels, or any other fuels: a limit of 86 ng/Jl (0.20 lb/million Btu) heat input unless the affected facility meets the specified requirements.	§ 60.46b(c) § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(3) [G]§ 60.48b(b) § 60.48b(c) § 60.48b(d) § 60.48b(e) [G]§ 60.48b(e)(2) § 60.48b(e)(3) § 60.48b(f)	[G]§ 60.48b(b) § 60.48b(c) [G]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(b) § 60.49b(h) § 60.49b(i) § 60.49b(v) § 60.49b(w)
E10B10	EU	60Db-00169	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)
E10B10	EU	60Db-00169	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)

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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)
E10B10	EU	60Ja-COMB00023	Hydrogen Sulfide	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(1)(ii) § 60.102a(a) § 60.102a(g) § 60.102a(g)(1) § 60.103a(c) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(5) [G]§ 60.103a(e)	For each fuel gas combustion device the owner or operator shall not burn in any fuel gas combustion device any fuel gas that contains H ₂ S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis and H ₂ S in excess of 60 ppmv determined daily on a 365 successive calendar day rolling average basis.	§ 60.104a(a) § 60.104a(c) [G]§ 60.104a(j) § 60.107a(a) § 60.107a(a)(2) § 60.107a(a)(2)(i) § 60.107a(a)(2)(ii) § 60.107a(a)(2)(iii) § 60.107a(i) § 60.107a(i)(1)(ii)	§ 60.108a(a) § 60.108a(c) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	§ 60.108a(a) § 60.108a(b) [G]§ 60.108a(d)
E10B10	EU	63DDDDDD-BLR003	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
E11TK323	EU	115TK-00183	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(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

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E11TK323	EU	115TK-00253	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(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
E11TK323	EU	115TK-00329	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)
E11TK323	EU	115TK-00334	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)
E11TK323	EU	61FF-TK00996	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(C) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(1) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(1) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(A) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(4)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E11TK323	EU	61FF-TK01040	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) [G]§ 60.113b(a)(3) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4) § 61.357(e) § 61.357(f)
E11TK323	EU	63CC-TANK00007	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)

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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)
E11TK323	EU	63CC-TANK00169	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(1) § 63.1063(a)(1)(i) § 63.1063(a)(1)(i)(C) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(iv) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(vii) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(A) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(b)(5) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b) [G]§ 63.660(b)(2)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(1) § 63.1063(c)(1)(ii) [G]§ 63.1063(d)(1) § 63.1063(d)(2) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(2)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(6) § 63.655(h)(6)(ii)

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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)
E11TK323	EU	63CC-TANK00173	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(1) § 63.1063(a)(1)(i) § 63.1063(a)(1)(i)(C) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(iv) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(vii) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(B) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(b)(5) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b) [G]§ 63.660(b)(2)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(1) § 63.1063(c)(1)(ii) [G]§ 63.1063(d)(1) § 63.1063(d)(2) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(2)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(6) § 63.655(h)(6)(ii)
E11TK323	EU	63G-TANK00033	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)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E11TK323	EU	63G-TANK00050	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)(iii) § 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)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii)	§ 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)
E11TK325	EU	115TK-00329	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)
E11TK325	EU	115TK-00334	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)
E11TK325	EU	60Kb-00034	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
E11TK325	EU	60Kb-00097	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
E11TK325	EU	60Kb-00352	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E11TK325	EU	60Kb-00354	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
E11TK325	EU	60Kb-00355	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
E11TK325	EU	60Kb-00430	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)

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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)
E11TK325	EU	60Kb-00472	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
E11TK325	EU	61FF-TK01041	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)
E11TK329	EU	63CC-TANK00007	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)

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E11TK330	EU	115TK-00334	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)
E11TK330	EU	60Kb-00026	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/ modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
E11TK330	EU	60Kb-00034	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
E11TK330	EU	60Kb-00089	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/ modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)

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E11TK330	EU	60Kb-00097	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
E11TK330	EU	60Kb-00312	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii)	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.116b(d)
E11TK330	EU	60Kb-00314	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
E11TK330	EU	60Kb-00315	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii)	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.116b(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E11TK330	EU	60Kb-00352	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
E11TK330	EU	60Kb-00354	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
E11TK330	EU	60Kb-00355	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E11TK330	EU	60Kb-00422	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/ modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
E11TK330	EU	60Kb-00430	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
E11TK330	EU	60Kb-00464	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/ modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(d) § 60.116b(f)(2)	§ 60.116b(a) § 60.116b(b)	§ 60.116b(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E11TK330	EU	60Kb-00472	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
E11TK330	EU	63CC-TANK00007	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
E11TK330	EU	63CC-TANK00057	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) § 63.640(n)(8)(vii) § 63.642(b) § 63.642(n)	Floating roof storage vessels described by §63.640(n)(2) are to comply with 40 CFR part 60, subpart Kb, except as provided in §63.640(n)(8)(i)-(vii).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)

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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)
E11TK330	EU	63CC-TANK00063	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) § 63.640(n)(8)(vii) § 63.642(b) § 63.642(n)	Floating roof storage vessels described by §63.640(n)(2) are to comply with 40 CFR part 60, subpart Kb, except as provided in §63.640(n)(8)(i)-(vii).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(ii) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)
E11TK330	EU	63CC-TANK00065	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) § 63.640(n)(8)(vii) § 63.642(b) § 63.642(n)	Floating roof storage vessels described by §63.640(n)(2) are to comply with 40 CFR part 60, subpart Kb, except as provided in §63.640(n)(8)(i)-(vii).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)

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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)
E11TK330	EU	63CC-TANK00066	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) § 63.640(n)(8)(vii) § 63.642(b) § 63.642(n)	Floating roof storage vessels described by §63.640(n)(2) are to comply with 40 CFR part 60, subpart Kb, except as provided in §63.640(n)(8)(i)-(vii).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(ii) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)
E11TK330	EU	63CC-TANK00067	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) § 63.640(n)(8)(vii) § 63.642(b) § 63.642(n)	Floating roof storage vessels described by §63.640(n)(2) are to comply with 40 CFR part 60, subpart Kb, except as provided in §63.640(n)(8)(i)-(vii).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(ii) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)

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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)
E11TK330	EU	63CC-TANK00069	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) § 63.640(n)(8)(vii) § 63.642(b) § 63.642(n)	Floating roof storage vessels described by §63.640(n)(2) are to comply with 40 CFR part 60, subpart Kb, except as provided in §63.640(n)(8)(i)-(vii).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)
E11TK330	EU	63CC-TANK00071	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) § 63.640(n)(8)(vii) § 63.642(b) § 63.642(n)	Floating roof storage vessels described by §63.640(n)(2) are to comply with 40 CFR part 60, subpart Kb, except as provided in §63.640(n)(8)(i)-(vii).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)

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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)
E11TK330	EU	63G-TANK00004	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)
E11TK330	EU	63G-TANK00051	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)
E11TKR40	EU	115TK-00329	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)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E11TKR40	EU	115TK-00334	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)
E11TKR40	EU	60Kb-00472	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
E11TKR40	EU	60QQQ-TK00009	VOC	40 CFR Part 60, Subpart QQQ	§ 60.692-3(d) § 60.692-1(a) § 60.692-6(a) § 60.692-6(b) § 60.692-7(b)	Storage vessels, including slop oil tanks and other auxiliary tanks that are subject to the requirements of 40 CFR subparts K, Ka, or Kb, are not subject to the requirements of 40 CFR §60.692-3.	§ 60.692-3(a)(4) § 60.696(a)	§ 60.697(a) § 60.697(c) [G]§ 60.697(e) § 60.697(f)(1) [G]§ 60.697(f)(2)	§ 60.698(b)(1) § 60.698(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E11TKR40	EU	61FF-TK01041	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)
E11TKS7	EU	115TK-00330	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)
E11TKS7	EU	115TK-00335	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)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E11TKS7	EU	61FF-TK01042	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) [G]§ 60.112b(a)(2) § 61.351(a)(2) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)	§ 60.115b [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)
E11TKS7	EU	63CC-TANK00007	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E11TKS7	EU	63CC-TANK00187	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(2) § 63.1063(a)(1)(ii) § 63.1063(a)(1)(ii)(B) § 63.1063(a)(1)(ii)(C) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(vii) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(A) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(b)(5) § 63.1063(d)(3)(ii) § 63.1063(d)(3)(iii) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b) [G]§ 63.660(b)(2)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(2) § 63.1063(c)(2)(i) § 63.1063(c)(2)(ii) § 63.1063(c)(2)(iii) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) [G]§ 63.1063(d)(1) § 63.1063(d)(3) [G]§ 63.1063(d)(3)(i) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(b)(2) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1063(c)(2)(iv)(B) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(3)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(2)(ii) § 63.655(h)(6) § 63.655(h)(6)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E11TKS7	EU	63CC-TANK00189	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(2) § 63.1063(a)(1)(ii) § 63.1063(a)(1)(ii)(B) § 63.1063(a)(1)(ii)(C) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(vii) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(B) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(b)(5) § 63.1063(d)(3)(ii) § 63.1063(d)(3)(iii) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b) [G]§ 63.660(b)(2)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(2) § 63.1063(c)(2)(i) § 63.1063(c)(2)(ii) § 63.1063(c)(2)(iii) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) [G]§ 63.1063(d)(1) § 63.1063(d)(3) [G]§ 63.1063(d)(3)(i) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(b)(2) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1063(c)(2)(iv)(B) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(3)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(2)(ii) § 63.655(h)(6) § 63.655(h)(6)(ii)
E11TKS7	EU	63G-TANK00033	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)

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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)
E11TKS7	EU	63G-TANK00053	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(c) § 63.119(a)(1) § 63.119(c)(1) § 63.119(c)(1)(i) § 63.119(c)(1)(ii) § 63.119(c)(1)(iii) § 63.119(c)(2)(i) § 63.119(c)(2)(ii) § 63.119(c)(2)(iii) § 63.119(c)(2)(iv) § 63.119(c)(2)(ix) § 63.119(c)(2)(v) § 63.119(c)(2)(vi) § 63.119(c)(2)(vii) § 63.119(c)(2)(viii) § 63.119(c)(2)(x) § 63.119(c)(2)(xi) § 63.119(c)(2)(xii) [G]§ 63.119(c)(3) § 63.119(c)(4) § 63.120(b)(10)(i) § 63.120(b)(5)(i) § 63.120(b)(5)(ii) § 63.120(b)(6)(i) § 63.120(b)(6)(ii) [G]§ 63.120(b)(7) § 63.120(b)(8)	Tanks using an external floating roof, (defined in § 63.111), to comply with §63.119(a)(1) shall comply with §63.119(c)(1)-(4).	§ 63.120(b)(1)(i) § 63.120(b)(1)(iii) § 63.120(b)(1)(iv) § 63.120(b)(10) § 63.120(b)(2)(i) § 63.120(b)(2)(ii) § 63.120(b)(2)(iii) § 63.120(b)(3) § 63.120(b)(4)	[G]§ 63.120(b)(7) § 63.120(b)(8) § 63.123(a) § 63.123(d) § 63.123(g) [G]§ 63.152(a)	§ 63.120(b)(10)(ii) § 63.120(b)(10)(iii) § 63.120(b)(9) [G]§ 63.122(e)(1) § 63.122(e)(2) § 63.122(e)(3) § 63.122(e)(3)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)

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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)
E12FL101	EU	60J-COMB00002	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
E12TK116	EU	60Kb-00094	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/84.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
E12TK116	EU	60Kb-00427	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/84.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)

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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)
E12TK117	EU	115TK-00330	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)
E12TK117	EU	115TK-00335	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)
E12TK117	EU	63CC-TANK00007	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E12TK117	EU	63CC-TANK00187	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(2) § 63.1063(a)(1)(ii) § 63.1063(a)(1)(ii)(B) § 63.1063(a)(1)(ii)(C) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(vii) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(A) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(b)(5) § 63.1063(d)(3)(ii) § 63.1063(d)(3)(iii) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b) [G]§ 63.660(b)(2)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(2) § 63.1063(c)(2)(i) § 63.1063(c)(2)(ii) § 63.1063(c)(2)(iii) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) [G]§ 63.1063(d)(1) § 63.1063(d)(3) [G]§ 63.1063(d)(3)(i) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(b)(2) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1063(c)(2)(iv)(B) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(3)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(2)(ii) § 63.655(h)(6) § 63.655(h)(6)(ii)

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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)
E12TK117	EU	63CC-TANK00189	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(2) § 63.1063(a)(1)(ii) § 63.1063(a)(1)(ii)(B) § 63.1063(a)(1)(ii)(C) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(vii) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(B) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(b)(5) § 63.1063(d)(3)(ii) § 63.1063(d)(3)(iii) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b) [G]§ 63.660(b)(2)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(2) § 63.1063(c)(2)(i) § 63.1063(c)(2)(ii) § 63.1063(c)(2)(iii) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) [G]§ 63.1063(d)(1) § 63.1063(d)(3) [G]§ 63.1063(d)(3)(i) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(b)(2) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1063(c)(2)(iv)(B) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(3)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(2)(ii) § 63.655(h)(6) § 63.655(h)(6)(ii)

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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)
E12TK145	EU	115TK-00329	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)
E12TK145	EU	115TK-00334	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)
E12TK145	EU	63G-TANK00004	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)

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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)
E12TK145	EU	63G-TANK00051	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)
E12TK146	EU	115TK-00329	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)
E12TK146	EU	115TK-00334	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)
E12TK146	EU	60Kb-00024	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
E12TK146	EU	60Kb-00032	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(A) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
E12TK146	EU	60Kb-00087	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E12TK146	EU	60Kb-00095	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(A) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
E12TK146	EU	60Kb-00302	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii)	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.116b(d)
E12TK146	EU	60Kb-00304	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
E12TK146	EU	60Kb-00305	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii)	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.116b(d)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E12TK146	EU	60Kb-00342	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(A) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
E12TK146	EU	60Kb-00344	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(A) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
E12TK146	EU	60Kb-00345	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(A) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)

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E12TK146	EU	60Kb-00420	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/ modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
E12TK146	EU	60Kb-00428	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(A) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
E12TK146	EU	60Kb-00462	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/ modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(d) § 60.116b(f)(2)	§ 60.116b(a) § 60.116b(b)	§ 60.116b(d)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E12TK146	EU	60Kb-00470	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(A) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
E12TK146	EU	63CC-TANK00025	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(A) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) § 63.640(n)(8)(vii) § 63.642(b) § 63.642(n)	Floating roof storage vessels described by §63.640(n)(2) are to comply with 40 CFR part 60, subpart Kb, except as provided in §63.640(n)(8)(i)-(vii).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E12TK146	EU	63CC-TANK0003 1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(A) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) § 63.640(n)(8)(vii) § 63.642(b) § 63.642(n)	Floating roof storage vessels described by §63.640(n)(2) are to comply with 40 CFR part 60, subpart Kb, except as provided in §63.640(n)(8)(i)-(vii).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii) § 60.116b(e)(1) § 60.116b(e)(2)(ii) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)
E12TK146	EU	63CC-TANK0003 3	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(A) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) § 63.640(n)(8)(vii) § 63.642(b) § 63.642(n)	Floating roof storage vessels described by §63.640(n)(2) are to comply with 40 CFR part 60, subpart Kb, except as provided in §63.640(n)(8)(i)-(vii).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E12TK146	EU	63CC-TANK00034	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(A) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) § 63.640(n)(8)(vii) § 63.642(b) § 63.642(n)	Floating roof storage vessels described by §63.640(n)(2) are to comply with 40 CFR part 60, subpart Kb, except as provided in §63.640(n)(8)(i)-(vii).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(ii) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)
E12TK146	EU	63CC-TANK00037	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(A) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) § 63.640(n)(8)(vii) § 63.642(b) § 63.642(n)	Floating roof storage vessels described by §63.640(n)(2) are to comply with 40 CFR part 60, subpart Kb, except as provided in §63.640(n)(8)(i)-(vii).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E12TK146	EU	63CC-TANK00039	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(n)(8) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(A) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 63.640(n)(8)(ii) § 63.640(n)(8)(iii) § 63.640(n)(8)(vii) § 63.642(b) § 63.642(n)	Floating roof storage vessels described by §63.640(n)(2) are to comply with 40 CFR part 60, subpart Kb, except as provided in §63.640(n)(8)(i)-(vii).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(ii)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 63.1063(c)(2)(iv)(B) § 63.640(n)(8)(iv) § 63.640(n)(8)(v)
E12TK146	EU	63G-TANK00004	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)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E12TK146	EU	63G-TANK00052	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(i) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [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)
E14H1	EU	60J-COMB0002	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)

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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)
E14S511	EU	61FF-TK00996	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(C) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(1) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(1) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(A) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(4)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A)
E14T202	EU	115TK-00171	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(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
E14T202	EU	115TK-00227	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(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)
E14T202	EU	61FF-TK00996	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(C) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(1) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(1) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(A) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(4)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A)
E14T203R	EU	61FF-TK00996	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(C) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(1) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(1) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(A) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(4)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A)
E14T501A/B	EU	115OWS-00029	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

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E14T501A/B	EU	61FF-OWS01013	Benzene	40 CFR Part 61, Subpart FF	§ 61.347(a)(1) § 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(a)(2)(i)(C) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the oil-water separator to a control device.	§ 61.347(a)(1)(i)(A) § 61.347(b) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(1) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(1) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(A) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(4)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A)
E14TK526	EU	115TK-00340	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.111(b)(5) § 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)(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)(4) § 115.114(b)(4)(A) [G]§ 115.117	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(4)(B)
E14TK526	EU	115TK-00347	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)

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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)
E14TK526	EU	115TK-00349	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)
E14TK526	EU	60Kb-00474	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E14TK526	EU	61FF-TK01043	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)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 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)
E14TK528	EU	115TK-00329	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)
E14TK528	EU	115TK-00334	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)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E14TK528	EU	60Kb-00472	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii)	Storage vessels specified in §60.112b(a) and equipped with a fixed roof in combination with an internal floating roof shall meet the specifications listed in §60.112b(a)(1)(i)-(ix).	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1)	§ 60.115b § 60.115b(a)(2) § 60.116b(a) § 60.116b(b)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3)
E14TK528	EU	61FF-TK01041	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)
E14TK530	EU	115TK-00335	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)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E14TK530	EU	60Kb-00473	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
E14TK530	EU	61FF-TK01042	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) [G]§ 60.112b(a)(2) § 61.351(a)(2) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)	§ 60.115b [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)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E14TK530C	EU	61FF-TK00513	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(d) [G]§ 61.355(h)	§ 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(G) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.356(j)(3)	None
E14TK531	EU	115TK-00181	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(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
E14TK531	EU	115TK-00183	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(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
E14TK531	EU	115TK-00251	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(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)
E14TK531	EU	115TK-00253	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(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
E14TK531	EU	60Kb-00031	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOCs for which construction/reconstruction/modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
E14TK531	EU	60Kb-00038	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E14TK531	EU	60Kb-00041	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(b)(1) [G]§ 60.112b(a)(3)	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).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
E14TK531	EU	60Kb-00094	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/ modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
E14TK531	EU	60Kb-00101	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E14TK531	EU	60Kb-00104	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(b)(1) [G]§ 60.112b(a)(3)	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).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
E14TK531	EU	60Kb-00337	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii)	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.116b(d)
E14TK531	EU	60Kb-00339	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
E14TK531	EU	60Kb-00340	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii)	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.116b(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E14TK531	EU	60Kb-00372	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b) § 60.116b(e)(2)(ii)	[G]§ 60.113b(c)(1) § 60.115b
E14TK531	EU	60Kb-00374	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
E14TK531	EU	60Kb-00375	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b) § 60.116b(e)(2)(ii)	[G]§ 60.113b(c)(1) § 60.115b

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E14TK531	EU	60Kb-00387	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(b)(1) [G]§ 60.112b(a)(3)	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).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b) § 60.116b(e)(2)(ii)	[G]§ 60.113b(c)(1) § 60.115b
E14TK531	EU	60Kb-00389	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(b)(1) [G]§ 60.112b(a)(3)	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).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
E14TK531	EU	60Kb-00390	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(b)(1) [G]§ 60.112b(a)(3)	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).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b) § 60.116b(e)(2)(ii)	[G]§ 60.113b(c)(1) § 60.115b

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E14TK531	EU	60Kb-00427	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
E14TK531	EU	60Kb-00434	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
E14TK531	EU	60Kb-00437	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(b)(1) [G]§ 60.112b(a)(3)	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).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E14TK531	EU	60Kb-00469	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,813 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/1984.	§ 60.116b(a) § 60.116b(b) § 60.116b(d) § 60.116b(f)(2)	§ 60.116b(a) § 60.116b(b)	§ 60.116b(d)
E14TK531	EU	60Kb-00476	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
E14TK531	EU	60Kb-00479	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(b)(1) [G]§ 60.112b(a)(3)	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).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E14TK531	EU	61FF-TK00996	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(C) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(1) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(1) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(A) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(4)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A)
E14TK531	EU	61FF-TK01005	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(d) [G]§ 61.355(h)	§ 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(G) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.356(j)(3)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E18TK112	EU	115TK-00330	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)
E18TK112	EU	115TK-00335	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)
E18TK112	EU	61FF-TK01042	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) [G]§ 60.112b(a)(2) § 61.351(a)(2) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)	§ 60.115b [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)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E18TK112	EU	63CC-TANK00007	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E18TK112	EU	63CC-TANK00187	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(2) § 63.1063(a)(1)(ii) § 63.1063(a)(1)(ii)(B) § 63.1063(a)(1)(ii)(C) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(vii) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(A) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(b)(5) § 63.1063(d)(3)(ii) § 63.1063(d)(3)(iii) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b) [G]§ 63.660(b)(2)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(2) § 63.1063(c)(2)(i) § 63.1063(c)(2)(ii) § 63.1063(c)(2)(iii) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) [G]§ 63.1063(d)(1) § 63.1063(d)(3) [G]§ 63.1063(d)(3)(i) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(b)(2) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1063(c)(2)(iv)(B) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(3)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(2)(ii) § 63.655(h)(6) § 63.655(h)(6)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E18TK112	EU	63CC-TANK00189	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(2) § 63.1063(a)(1)(ii) § 63.1063(a)(1)(ii)(B) § 63.1063(a)(1)(ii)(C) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(vii) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(B) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(b)(5) § 63.1063(d)(3)(ii) § 63.1063(d)(3)(iii) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b) [G]§ 63.660(b)(2)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(2) § 63.1063(c)(2)(i) § 63.1063(c)(2)(ii) § 63.1063(c)(2)(iii) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) [G]§ 63.1063(d)(1) § 63.1063(d)(3) [G]§ 63.1063(d)(3)(i) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(b)(2) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1063(c)(2)(iv)(B) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(3)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(2)(ii) § 63.655(h)(6) § 63.655(h)(6)(ii)
E18TKCS3	EU	115TK-00164	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)
E18TKCS3	EU	115TK-00209	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
E20H1	EU	60J-COMB000 02	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
E20H1	EU	63DDDDD -HTR003	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)

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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)
E20V21A	EU	115TK-00169	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(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
E20V21A	EU	115TK-00214	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(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
E20V21A	EU	61FF-TK01005	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(d) [G]§ 61.355(h)	§ 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(G) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.356(j)(3)	None
E20V21A	EU	63G-TANK00033	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)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E20V22	EU	115TK-00169	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(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
E20V22	EU	115TK-00214	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(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
E20V22	EU	61FF-TK01005	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(d) [G]§ 61.355(h)	§ 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(G) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.356(j)(3)	None
E20V22	EU	63G-TANK00033	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)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E20V4	EU	115TK-00169	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(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
E20V4	EU	115TK-00214	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(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
E20V4	EU	61FF-TK01005	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(d) [G]§ 61.355(h)	§ 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(G) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.356(j)(3)	None
E20V4	EU	63G-TANK00033	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)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E21H1	EU	60J-COMB00002	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
E21H1	EU	63DDDDD-HTR003	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E21H2	EU	60J-COMB00002	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
E21H2	EU	63DDDDD-HTR003	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E21H3	EU	60J-COMB000 02	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
E21H3	EU	63DDDDD -HTR003	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)- Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E23H101A	EU	60Ja-COMB000 23	Hydrogen Sulfide	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(1)(ii) § 60.102a(a) § 60.102a(g) § 60.102a(g)(1) § 60.103a(c) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(5) [G]§ 60.103a(e)	For each fuel gas combustion device the owner or operator shall not burn in any fuel gas combustion device any fuel gas that contains H ₂ S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis and H ₂ S in excess of 60 ppmv determined daily on a 365 successive calendar day rolling average basis.	§ 60.104a(a) § 60.104a(c) [G]§ 60.104a(j) § 60.107a(a) § 60.107a(a)(2) § 60.107a(a)(2)(i) § 60.107a(a)(2)(ii) § 60.107a(a)(2)(iii) § 60.107a(i) § 60.107a(i)(1)(ii)	§ 60.108a(a) § 60.108a(c) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	§ 60.108a(a) § 60.108a(b) [G]§ 60.108a(d)
E23H101A	EU	60Ja-COMB000 23	NO _x	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(2)(ii)(A) § 60.102a(a) § 60.102a(g) § 60.102a(g)(2) § 60.102a(g)(2)(ii)	For each forced draft process heater with a rated capacity of greater than 40 MMBtu/hr on a higher heating value basis, the owner or operator shall not discharge to the atmosphere any emissions of NO _x in excess of 60 ppmv (dry basis, corrected to 0-percent excess air) determined daily on a 30-day rolling average basis.	§ 60.104a(a) § 60.104a(c) § 60.104a(i) § 60.104a(i)(1) § 60.104a(i)(2) § 60.104a(i)(3) § 60.104a(i)(5) § 60.104a(i)(8) § 60.107a(c) § 60.107a(c)(1) § 60.107a(c)(2) § 60.107a(c)(3) § 60.107a(c)(4) § 60.107a(c)(5) § 60.107a(i) § 60.107a(i)(3) § 60.107a(i)(3)(ii)	§ 60.108a(a) [G]§ 60.108a(d)	§ 60.108a(a) § 60.108a(b) [G]§ 60.108a(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E23H101A	EU	63DDDDD-HTR003	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
E23H301B	EU	60J-COMB00002	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E23H301B	EU	63DDDDD-HTR003	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
E25H303	EU	60J-COMB00002	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E25H303	EU	63DDDDD-HTR003	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
E26F151	EU	60J-COMB00002	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)

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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)
E26F151	EU	63DDDDD-HTR003	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
E27H1	EU	60J-COMB0002	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)

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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)
E27H1	EU	63DDDDD-HTR003	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
E27H201	EU	60J-COMB00002	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E27H201	EU	63DDDDD-HTR003	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
E28H101	EU	60J-COMB00002	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)

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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)
E28H101	EU	63DDDDD-HTR003	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
E28H102	EU	60J-COMB00002	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)

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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)
E28H102	EU	63DDDDD-HTR003	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
E29F511	EU	60J-COMB00002	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)

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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)
E29H417	EU	60J-COMB00002	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
E29H417	EU	63DDDDD-HTR001	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.1 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7500(e) § 63.7505(a) § 63.7540(a) [G]§ 63.7540(a)(10) § 63.7540(a)(12) § 63.7540(a)(13)	For a new or existing boiler or process heater with a heat input capacity of less than or equal to 5 million Btu per hour designed to burn gas 1, a tune-up of the boiler or process heater must be conducted every 5 years as specified in § 63.7540.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7540(b) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)

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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)
E29T111	EU	63CC-TANK00007	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
E29T411	EU	63CC-TANK00007	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
E310F101	EU	60J-COMB00002	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)

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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)
E310F101	EU	60J-COMB00013	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1) § 60.105(a)(4)(iv) § 60.105(a)(4)(iv)(D)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ ** See Alternative Requirement [G]§ 60.105(b) § 60.106(a)	[G]§ 60.105(b) § 60.107(e)	[G]§ 60.105(b) § 60.107(f) § 60.107(g)
E310F101	EU	63DDDDD-HTR003	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
E340D107	EU	61FF-TK01028	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(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)
E36H201	EU	60J-COMB00002	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)

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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)
E36H201	EU	63DDDDD-HTR003	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
E46SP300	EU	60J-COMB000 02	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
FRACTANK 2	EU	115TK-00214	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(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

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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)
FRACTANK 2	EU	61FF-TK01005	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(d) [G]§ 61.355(h)	§ 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(G) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.356(j)(3)	None
FU-115+	EU	R5322ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No connector may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
FU-115+	EU	R5322ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.327(1)	Valves of nominal size of 2" (5 cm) or less are exempt, provided allowable emissions from sources affected by this division after controls are applied with exemptions will not exceed by more than 5.0% such allowable emissions with no exemptions.	None	None	§ 115.327(1)(A) § 115.327(1)(B) § 115.327(1)(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)
FU-115+	EU	R5322ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No pump seal, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
FU-115+	EU	R5322ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No pump seal may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(A) § 115.324(3) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
FU-115+	EU	R5322ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(5)	No valve (gaseous service), as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
FU-115+	EU	R5322ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.322(5)	No valve (gaseous service) may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU-115+	EU	R5322ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(3) § 115.327(5)	No valve in liquid service, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
FU-115+	EU	R5322ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4)	No valve in liquid service may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
FU-115+	EU	R5322ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No process drain, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
FU-115+	EU	R5322ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No process drain may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(C) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU-115+	EU	R5322ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3) § 115.327(6)	No compressor seal, as described in § 115.327(3), (5) or (6), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
FU-115+	EU	R5322ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No compressor seal may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(A) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
FU-115+	EU	R5322ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(3) § 115.327(5)	No elevated valve, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
FU-115+	EU	R5322ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4)	No elevated valve may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(D) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU-115+	EU	R5322ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(5)	No pressure relief valve in gaseous service, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
FU-115+	EU	R5322ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(5)	No pressure relief valve in gaseous service may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(C) § 115.324(4) § 115.324(5) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
FU-115+	EU	R5322ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No connector, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

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FU-60GGGA+	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.593a(g) § 60.482-11a(b)(2) § 60.482-11a(b)(3) § 60.482-11a(d) [G]§ 60.482-11a(e) [G]§ 60.482-11a(f)(1) § 60.482-11a(f)(2) § 60.482-11a(g) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(c) § 60.482-9a(f) § 60.485a(b) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Connectors in gas/vapor or light liquid service are exempt from the requirements in §60.482-11a, provided the owner or operator complies with §60.482-8a for all connectors, not just those in heavy liquid service.	§ 60.482-11a(a) § 60.482-11a(b) § 60.482-11a(b)(1) § 60.482-11a(b)(3) § 60.482-11a(b)(3)(i) § 60.482-11a(b)(3)(ii) [G]§ 60.482-11a(b)(3)(iii) § 60.482-11a(b)(3)(iv) § 60.482-11a(c) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-11a(b)(3)(v) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8) § 60.486a(e)(9) § 60.486a(f) § 60.486a(f)(1)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(5) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(i) § 60.487a(c)(2)(vii) § 60.487a(c)(2)(viii) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
FU-60GGGA+	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-6a(a)(1) § 60.482-6a(a)(2) § 60.482-6a(b) § 60.482-6a(c) § 60.482-6a(d) § 60.482-6a(e) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-6a for open-ended valves and lines.	§ 60.482-1a(g) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

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FU-60GGGA+	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.593a(f) § 60.482-1a(a) § 60.482-1a(g)	Open-ended valves or lines containing asphalt as defined in (§60.591a are exempt from the requirements of §60.482-6a(a) through (c).	§ 60.482-1a(g) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d)	§ 60.482-1a(g) § 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
FU-60GGGA+	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-5a(a) [G]§ 60.482-5a(b) § 60.482-5a(c) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-5a for sampling connection systems.	§ 60.482-1a(g) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

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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)
FU-60GGGA+	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-2a(c)(2) [G]§ 60.482-7a(e) § 60.482-8a(a) § 60.482-8a(a)(2) § 60.482-8a(b) [G]§ 60.482-8a(c) § 60.482-8a(d) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-8a for pressure relief devices in light liquid service.	§ 60.482-1a(g) § 60.482-8a(a)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

Applicable Requirements Summary

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

Applicable Requirements Summary

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

Applicable Requirements Summary

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

Applicable Requirements Summary

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FU-60GGGA+	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-2a(c)(2) [G]§ 60.482-7a(e) § 60.482-8a(a) § 60.482-8a(a)(2) § 60.482-8a(b) [G]§ 60.482-8a(c) § 60.482-8a(d) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(d) § 60.482-9a(f) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-8a for pumps in heavy liquid service.	§ 60.482-1a(g) § 60.482-8a(a)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU-60GGGA+	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-2a(b)(1) § 60.482-2a(b)(2) § 60.482-2a(b)(2)(ii) § 60.482-2a(c)(1) [G]§ 60.482-2a(c)(2) § 60.482-2a(d) [G]§ 60.482-2a(d)(1) § 60.482-2a(d)(2) § 60.482-2a(d)(3) [G]§ 60.482-2a(d)(6) [G]§ 60.482-2a(e) § 60.482-2a(f) [G]§ 60.482-2a(g) § 60.482-2a(h) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(d) § 60.482-9a(f) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-2a for pumps in light liquid service.	§ 60.482-1a(f)(1) § 60.482-1a(f)(2) [G]§ 60.482-1a(f)(3) § 60.482-1a(g) § 60.482-2a(a)(1) § 60.482-2a(a)(2) § 60.482-2a(b)(2)(i) [G]§ 60.482-2a(d)(4) [G]§ 60.482-2a(d)(5) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) § 60.486a(e)(7) [G]§ 60.486a(e)(8) § 60.486a(f) § 60.486a(f)(1) [G]§ 60.486a(h)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(3) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(iii) § 60.487a(c)(2)(iv) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

Applicable Requirements Summary

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

Applicable Requirements Summary

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

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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)
FU-60GGGA+	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-2a(c)(2) [G]§ 60.482-7a(e) § 60.482-8a(a) § 60.482-8a(a)(2) § 60.482-8a(b) [G]§ 60.482-8a(c) § 60.482-8a(d) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-8a for pressure relief devices in heavy liquid service.	§ 60.482-1a(g) § 60.482-8a(a)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

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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)
FU-60GGGA+	EU	60GGGA-ALL	VOC	40 CFR Part 60, Subpart GGGa	§ 60.592a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-2a(c)(2) [G]§ 60.482-7a(e) § 60.482-8a(a) § 60.482-8a(a)(2) § 60.482-8a(b) [G]§ 60.482-8a(c) § 60.482-8a(d) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(c) § 60.482-9a(f) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k) § 60.592a(d) § 60.592a(e)	Comply with the requirements as stated in §60.482-8a for connectors in heavy liquid service.	§ 60.482-1a(g) § 60.482-8a(a)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e) § 60.593a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
FU-60VVA+	EU	60VVA-1	VOC	40 CFR Part 60, Subpart VVa	§ 60.482-10a(d) § 60.18 § 60.482-10a(a) § 60.482-10a(m) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k)	Flares used to comply with this subpart shall comply with the requirements of §60.18.	§ 60.482-10a(e) § 60.482-1a(g) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d) [G]§ 60.485a(g)	§ 60.482-1a(g) § 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU-60VVA+	EU	60VVA-ALL	VOC	40 CFR Part 60, Subpart VVa	§ 60.482-8a(b) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-2a(c)(2) [G]§ 60.482-7a(e) § 60.482-8a(a) § 60.482-8a(a)(2) [G]§ 60.482-8a(c) § 60.482-8a(d) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k)	At a pressure relief device in light liquid or heavy liquid service, if an instrument reading of 10,000 ppm or greater is measured, a leak is detected.	§ 60.482-1a(g) § 60.482-8a(a)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
FU-60VVA+	EU	60VVA-ALL	VOC	40 CFR Part 60, Subpart VVa	§ 60.482-8a(b) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-2a(c)(2) [G]§ 60.482-7a(e) § 60.482-8a(a) § 60.482-8a(a)(2) [G]§ 60.482-8a(c) § 60.482-8a(d) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(d) § 60.482-9a(f) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k)	At a pump in heavy liquid service, if an instrument reading of 10,000 ppm or greater is measured, a leak is detected.	§ 60.482-1a(g) § 60.482-8a(a)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU-60VVA+	EU	60VVA-ALL	VOC	40 CFR Part 60, Subpart VVa	§ 60.482-1a(d) § 60.482-1a(a) § 60.482-1a(b) § 60.485a(b) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k)	Equipment that is in vacuum service is excluded from the requirements of §60.482-2a to §60.482-10a, if it is identified as required in §60.486a(e)(5).	[G]§ 60.485a(b)(1) § 60.485a(b)(2)	§ 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) § 60.486a(e)(5)	None
FU-60VVA+	EU	60VVA-ALL	VOC	40 CFR Part 60, Subpart VVa	§ 60.482-7a(b) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-7a(a)(1) [G]§ 60.482-7a(d) [G]§ 60.482-7a(e) [G]§ 60.482-7a(f) [G]§ 60.482-7a(g) [G]§ 60.482-7a(h) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(c) § 60.482-9a(e) § 60.482-9a(f) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k)	At a valve in gas vapor service if an instrument reading of 500 ppm or greater is measured, a leak is detected.	§ 60.482-1a(f)(1) § 60.482-1a(f)(2) [G]§ 60.482-1a(f)(3) § 60.482-1a(g) § 60.482-7a(a)(1) [G]§ 60.482-7a(a)(2) [G]§ 60.482-7a(c) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d) [G]§ 60.485a(e)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) [G]§ 60.486a(e)(8) § 60.486a(f) § 60.486a(f)(1) § 60.486a(f)(2)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(2) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(i) § 60.487a(c)(2)(ii) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU-60VVA+	EU	60VVA-ALL	VOC	40 CFR Part 60, Subpart VVa	[G]§ 60.482-2a(b)(1) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-2a(b)(2) § 60.482-2a(b)(2)(ii) § 60.482-2a(c)(1) [G]§ 60.482-2a(c)(2) § 60.482-2a(d) [G]§ 60.482-2a(d)(1) § 60.482-2a(d)(2) § 60.482-2a(d)(3) [G]§ 60.482-2a(d)(6) [G]§ 60.482-2a(e) § 60.482-2a(f) [G]§ 60.482-2a(g) § 60.482-2a(h) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(d) § 60.482-9a(f) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k)	The instrument reading that defines a leak in a pump in light liquid service is 5,000 parts per million (ppm) or greater for pumps handling polymerizing monomers or 2,000 ppm or greater for all other pumps, as specified in paragraphs (b)(1)(i) and (ii) of this section. §60.482-2a(b)(1)(i)-(ii)	§ 60.482-1a(f)(1) § 60.482-1a(f)(2) [G]§ 60.482-1a(f)(3) § 60.482-1a(g) § 60.482-2a(a)(1) § 60.482-2a(a)(2) § 60.482-2a(b)(2)(i) [G]§ 60.482-2a(d)(4) [G]§ 60.482-2a(d)(5) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d) [G]§ 60.485a(e)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) § 60.486a(e)(7) [G]§ 60.486a(e)(8) § 60.486a(f) § 60.486a(f)(1) [G]§ 60.486a(h)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(3) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(iii) § 60.487a(c)(2)(iv) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU-60VVA+	EU	60VVA-ALL	VOC	40 CFR Part 60, Subpart VVa	§ 60.482-6a(a)(1) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-6a(a)(2) § 60.482-6a(b) § 60.482-6a(c) § 60.482-6a(d) § 60.482-6a(e) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k)	Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, except as provided in §60.482-1a(c) and paragraphs (d) and (e) of this section.	§ 60.482-1a(g) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d)	§ 60.482-1a(g) § 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
FU-60VVA+	EU	60VVA-ALL	VOC	40 CFR Part 60, Subpart VVa	§ 60.482-8a(b) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-2a(c)(2) [G]§ 60.482-7a(e) § 60.482-8a(a) § 60.482-8a(a)(2) [G]§ 60.482-8a(c) § 60.482-8a(d) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(c) § 60.482-9a(f) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k)	At a connector in heavy liquid service, if an instrument reading of 10,000 ppm or greater is measured, a leak is detected.	§ 60.482-1a(g) § 60.482-8a(a)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU-60VVA+	EU	60VVA-ALL	VOC	40 CFR Part 60, Subpart VVa	§ 60.482-5a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-5a(b) § 60.482-5a(c) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k)	Each sampling connection system shall be equipped with a closed-purge, closed-loop, or closed-vent system, except as provided in §60.482-1a(c) and paragraph (c) of this section.	§ 60.482-1a(g) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d)	§ 60.482-1a(g) § 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
FU-60VVA+	EU	60VVA-ALL	VOC	40 CFR Part 60, Subpart VVa	§ 60.482-4a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) § 60.482-4a(b)(1) § 60.482-4a(b)(2) § 60.482-4a(c) § 60.482-4a(d)(1) § 60.482-4a(d)(2) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k)	Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as determined by the methods specified in §60.485a(c).	§ 60.482-1a(g) § 60.482-4a(b)(2) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d)	§ 60.482-1a(g) § 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) § 60.486a(e)(10) § 60.486a(e)(3) [G]§ 60.486a(e)(4) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU-60VVA+	EU	60VVA-ALL	VOC	40 CFR Part 60, Subpart VVa	§ 60.482-3a(a) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-3a(b) § 60.482-3a(c) § 60.482-3a(d) § 60.482-3a(e)(2) § 60.482-3a(f) [G]§ 60.482-3a(g) § 60.482-3a(h) [G]§ 60.482-3a(i) § 60.482-3a(j) § 60.482-9a(a) § 60.482-9a(b) § 60.485a(b) § 60.485a(c) § 60.485a(c)(1) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k)	Each compressor shall be equipped with a seal system that includes a barrier fluid system and that prevents leakage of VOC to the atmosphere, except as provided in §60.482-3a(c) and paragraphs (h), (i), and (j) of this section.	§ 60.482-1a(g) § 60.482-3a(e)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) § 60.485a(c)(2) [G]§ 60.485a(d)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(2) [G]§ 60.486a(e)(4) [G]§ 60.486a(e)(8) [G]§ 60.486a(h)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(4) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(v) § 60.487a(c)(2)(vi) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU-60VVA+	EU	60VVA-ALL	VOC	40 CFR Part 60, Subpart VVa	§ 60.482-8a(b) § 60.482-1a(a) § 60.482-1a(b) § 60.482-1a(g) [G]§ 60.482-2a(c)(2) [G]§ 60.482-7a(e) § 60.482-8a(a) § 60.482-8a(a)(2) [G]§ 60.482-8a(c) § 60.482-8a(d) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(c) § 60.482-9a(e) § 60.482-9a(f) § 60.485a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k)	At a valve in heavy liquid service, if an instrument reading of 10,000 ppm or greater is measured, a leak is detected.	§ 60.482-1a(g) § 60.482-8a(a)(1) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e)	§ 60.482-1a(g) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU-60VVA+	EU	60VVA-ALL	VOC	40 CFR Part 60, Subpart VVa	§ 60.482-11a(b)(2) § 60.482-11a(b)(3) § 60.482-11a(d) [G]§ 60.482-11a(e) [G]§ 60.482-11a(f)(1) § 60.482-11a(f)(2) § 60.482-11a(g) § 60.482-9a(a) § 60.482-9a(b) [G]§ 60.482-9a(c) § 60.482-9a(f) § 60.485a(b) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k)	If an instrument reading greater than or equal to 500 ppm is measured in connectors in gas and vapor and light liquid service, a leak is detected.	§ 60.482-11a(a) § 60.482-11a(b) § 60.482-11a(b)(1) § 60.482-11a(b)(3) § 60.482-11a(b)(3)(i) § 60.482-11a(b)(3)(ii) [G]§ 60.482-11a(b)(3)(iii) § 60.482-11a(b)(3)(iv) § 60.482-11a(c) § 60.482-9a(a) § 60.485a(a) [G]§ 60.485a(b)(1) § 60.485a(b)(2) [G]§ 60.485a(d) [G]§ 60.485a(e)	§ 60.482-11a(b)(3)(v) § 60.485a(b)(2) [G]§ 60.486a(a)(3) [G]§ 60.486a(b) [G]§ 60.486a(c) § 60.486a(e) § 60.486a(e)(1) [G]§ 60.486a(e)(8) § 60.486a(e)(9) § 60.486a(f) § 60.486a(f)(1)	§ 60.487a(a) § 60.487a(b) § 60.487a(b)(1) § 60.487a(b)(5) § 60.487a(c) § 60.487a(c)(1) § 60.487a(c)(2) § 60.487a(c)(2)(i) § 60.487a(c)(2)(vii) § 60.487a(c)(2)(viii) § 60.487a(c)(2)(xi) § 60.487a(c)(3) § 60.487a(c)(4) § 60.487a(e)
FU-60VVA+	EU	60VVA-ALL	VOC	40 CFR Part 60, Subpart VVa	[G]§ 60.482-1a(e) § 60.482-1a(a) § 60.482-1a(b) § 60.485a(b) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k)	Equipment that an owner or operator designates as being in VOC service less than 300 hours (hr)/yr is excluded from the requirements of §§ 60.482-2a through 60.482-11a if it is identified as required in §60.486a(e)(6) and it meets any of the conditions specified in paragraphs (e)(1) through (3) of this section. §60.482-1a(e)(1)-(3)	[G]§ 60.485a(b)(1) § 60.485a(b)(2)	§ 60.485a(b)(2) § 60.486a(e) § 60.486a(e)(1) § 60.486a(e)(6)	None

Applicable Requirements Summary

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

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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)
FU-63CC+	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for flanges or other connectors complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
FU-63CC+	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-8(a) § 60.482-8(a)(2) § 60.482-8(b) § 60.482-8(c)(1) § 60.482-8(c)(2) § 60.482-8(d) § 60.482-9(a) § 60.482-9(b) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pressure relief devices in heavy liquid service complying with §60.482-8.	§ 60.482-8(a)(1) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)

Applicable Requirements Summary

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

Applicable Requirements Summary

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

Applicable Requirements Summary

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

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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)
FU-63CC+	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(a) § 60.482-1(b) § 60.482-1(g) § 60.482-2(b)(1) [G]§ 60.482-2(b)(2) § 60.482-2(c)(1) [G]§ 60.482-2(c)(2) § 60.482-2(d) [G]§ 60.482-2(d)(1) § 60.482-2(d)(2) § 60.482-2(d)(3) [G]§ 60.482-2(d)(4) [G]§ 60.482-2(d)(5) [G]§ 60.482-2(d)(6) [G]§ 60.482-2(e) § 60.482-2(f) [G]§ 60.482-2(g) § 60.482-2(h) § 60.482-9(a) § 60.482-9(b) [G]§ 60.482-9(d) § 60.482-9(f) § 60.486(k) § 63.642(b) § 63.642(n) § 63.648(a)(2) § 63.648(f)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for pumps in light liquid service complying with §60.482-2.	§ 60.482-1(f)(1) § 60.482-1(f)(2) [G]§ 60.482-1(f)(3) [G]§ 60.482-2(a) [G]§ 60.482-2(b)(2) [G]§ 60.482-2(d)(4) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) [G]§ 63.648(b)	§ 60.482-1(g) [G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) § 60.486(f) [G]§ 60.486(h) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(d)(6) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
FU-63CC+	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	[G]§ 63.648(g) § 63.642(b) § 63.642(n)	Compressors in hydrogen service are exempt from the requirements of §63.648(a) and (c) if an owner or operator demonstrates that a compressor is in hydrogen service. §63.648(g)(1)-(2).	[G]§ 63.648(g)	§ 63.648(h) § 63.655(d)(3) § 63.655(i)	None

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FU-63CC+	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.648(a) § 60.482-1(d) § 60.486(k) § 63.642(b) § 63.642(n)	Comply with the specified 40 CFR Part 60, Subpart VV requirements for equipment in vacuum service.	None	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(5) § 60.486(j) § 63.648(h) § 63.655(d)(1)(i) § 63.655(i) § 63.655(i)(6)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 63.642(f) § 63.655(d)(2)
FU-63H+	EU	63H-0004	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.172(d) § 63.11(b) § 63.172(e) [G]§ 63.172(h) § 63.172(m)	Flares used to comply with this subpart shall comply with the requirements of § 63.11(b) of 40 CFR 63, Subpart A.	§ 63.172(e) [G]§ 63.172(h) [G]§ 63.180(b) [G]§ 63.180(d) [G]§ 63.180(e)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) § 63.181(g)(1)(iii) § 63.181(g)(1)(iv) [G]§ 63.181(g)(2)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FU-63H+	EU	63H-0004	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.172(a) [G]§ 63.172(h) § 63.172(i) § 63.172(j)(1) § 63.172(j)(2) § 63.172(m)	Owners/operators of closed-vent systems and control devices used to comply with provisions of this subpart shall comply with the provisions of this section, except as provided in §63.162(b).	[G]§ 63.172(f)(1) [G]§ 63.172(f)(2) § 63.172(g) [G]§ 63.172(h) § 63.172(j)(1) § 63.172(j)(2) [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.118(a)(3) § 63.172(j)(1) § 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FU-63H+	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)

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FU-63H+	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)
FU-63H+	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)
FU-63H+	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: Pumps in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
FU-63H+	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)
FU-63H+	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)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FU-63H+	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)
FU-63H+	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)
FU-63H+	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)
FU-63H+	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)

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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)
FU-63H+	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)
FU-63H+	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)
FU-63H+	EU	63HALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.167 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.175	Standards: Open-ended valves or lines. §63.167(a)-(e).	[G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)

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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)
FU-63H+	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)
FU-63H+	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)
FU-63H+	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)
GGGGGEQ LKS	EU	63GGGG G-EQLK01	112(B) HAPS	40 CFR Part 63, Subpart GGGGG	[G]§ 63.7881(a) § 63.7882(a)(3) § 63.7882(a)(3)(i) § 63.7882(a)(3)(ii) § 63.7883(a) § 63.7887(b)	This subpart applies to you if you own or operate a facility at which you conduct a site remediation, as defined in § 63.7957; and this site remediation, unless exempted under paragraph (b) or (c) of this section, meets all three of the following conditions specified in paragraphs (a)(1) through (3) of this section.	None	§ 63.7952(a) § 63.7952(a)(1) § 63.7953(a) § 63.7953(b) § 63.7953(c) § 63.7953(d)	§ 63.7883(e) § 63.7950(a) § 63.7950(b) § 63.7951(a) § 63.7951(a)(1) § 63.7951(a)(2) § 63.7951(a)(3) § 63.7951(a)(4) § 63.7951(a)(5) § 63.7951(b) § 63.7951(b)(1) § 63.7951(b)(2) § 63.7951(b)(3) § 63.7951(b)(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GGGGGPS	EU	63GGGG G-VENT01	112(B) HAPS	40 CFR Part 63, Subpart GGGGG	[G]§ 63.7881(a) § 63.7882(a)(1) § 63.7883(a) § 63.7885(b)(3) § 63.7938(b)(3)	This subpart applies to you if you own or operate a facility at which you conduct a site remediation, as defined in § 63.7957; and this site remediation, unless exempted under paragraph (b) or (c) of this section, meets all three of the following conditions specified in paragraphs (a)(1) through (3) of this section.	None	§ 63.7952(a) § 63.7952(a)(1) § 63.7953(a) § 63.7953(b) § 63.7953(c) § 63.7953(d)	§ 63.7883(e) § 63.7937(b) § 63.7937(b)(3) § 63.7937(b)(3)(i) § 63.7937(b)(3)(ii) § 63.7950(a) § 63.7950(b) § 63.7951(a) § 63.7951(a)(1) § 63.7951(a)(2) § 63.7951(a)(3) § 63.7951(a)(4) § 63.7951(a)(5) § 63.7951(b) § 63.7951(b)(1) § 63.7951(b)(2) § 63.7951(b)(3) § 63.7951(b)(4)
GGGGGRM MUS	EU	63GGGG G- RMMU01	112(B) HAPS	40 CFR Part 63, Subpart GGGGG	[G]§ 63.7881(a) § 63.7882(a)(2) § 63.7883(a) § 63.7886(b)(3) § 63.7938(c)(3)	This subpart applies to you if you own or operate a facility at which you conduct a site remediation, as defined in § 63.7957; and this site remediation, unless exempted under paragraph (b) or (c) of this section, meets all three of the following conditions specified in paragraphs (a)(1) through (3) of this section.	None	§ 63.7952(a) § 63.7952(a)(1) § 63.7953(a) § 63.7953(b) § 63.7953(c) § 63.7953(d)	§ 63.7883(e) § 63.7937(c) § 63.7937(c)(3) § 63.7937(c)(3)(i) § 63.7937(c)(3)(ii) § 63.7950(a) § 63.7950(b) § 63.7951(a) § 63.7951(a)(1) § 63.7951(a)(2) § 63.7951(a)(3) § 63.7951(a)(4) § 63.7951(a)(5) § 63.7951(b) § 63.7951(b)(1) § 63.7951(b)(2) § 63.7951(b)(3) § 63.7951(b)(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP100-72+	EP	111-VENT00004	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRP100-72-	EP	111-VENT00003	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRPCASFF	CD	61FF-CVS0020	Benzene	40 CFR Part 61, Subpart FF	§ 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	For each closed-vent system and control device used to comply with §§61.343-61.348, properly design, install, operate, and maintain the closed-vent system and control device.	§ 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(d) [G]§ 61.355(h)	§ 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(G) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.356(j)(3)	None
GRPEENG1	EU	63ZZZZ-ENG0004	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

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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)
GRPEENG2	EU	63ZZZZ-ENG0008	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.6 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(j) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary SI RICE and black start stationary SI RICE with a site rating less than or equal to 500 HP, located at a major source, you must comply with the requirements as specified in Table 2c.6.a-c.	§ 63.6625(f) § 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(j) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
GRPEENG3	EU	63ZZZZ-ENG0006	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

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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)
GRPEENG5	EU	63ZZZZ-ENG0007	CO	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.3 § 63.6595(a)(1) § 63.6595(c) § 63.6605(a) § 63.6605(b) § 63.6625(h) § 63.6630(a) § 63.6640(b)	For each existing non-emergency, non-black start CI stationary RICE with a site rating greater than or equal to 100 HP and less than or equal to 300 HP, located at a major source, you must limit the concentration of CO in the stationary RICE exhaust to 230 ppmvd or less at 15% O ₂ .	§ 63.6612(a) § 63.6620(a) § 63.6620(a)-Table4.3.a.i § 63.6620(a)-Table4.3.a.ii § 63.6620(a)-Table4.3.a.iii § 63.6620(a)-Table4.3.a.v § 63.6620(b) § 63.6620(d) [G]§ 63.6620(e)(2) § 63.6630(a)-Table5.12.a.i § 63.6635(a) § 63.6635(b) § 63.6640(b)	§ 63.6620(i) § 63.6635(a) § 63.6635(c) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(3) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6620(i) § 63.6630(c) § 63.6640(b) § 63.6640(e) § 63.6645(a) § 63.6645(g) § 63.6645(h) § 63.6650(a) § 63.6650(a)-Table7.1.a.i § 63.6650(a)-Table7.1.b § 63.6650(a)-Table7.1.c § 63.6650(b) § 63.6650(b)(1) § 63.6650(b)(2) § 63.6650(b)(3) § 63.6650(b)(4) [G]§ 63.6650(c) [G]§ 63.6650(d) § 63.6650(f)
GRPEENG6	EU	60IIII-0001	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	None	None	[G]§ 60.4214(d)

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GRPEENG6	EU	60III-0001	NMHC and NO _x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NO _x emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	None	None	[G]§ 60.4214(d)
GRPEENG6	EU	60III-0001	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.30 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	None	None	[G]§ 60.4214(d)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPEENG6	EU	60IIII-0001	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039.105(b)(1) § 1039.105(b)(2) § 1039.105(b)(3) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2), and 40 CFR 1039.105(b)(1)-(3).	None	None	[G]§ 60.4214(d)
GRPEENG6	EU	63ZZZZ-ENG0001	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table 2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1. a-c.	§ 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPEPU3	PRO	63F-00016	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)
GRPEPV04	EP	115-VENT041	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(b)(2)(A) § 115.127(b)(2)	A vent gas stream having a combined weight of the VOC or classes of compounds specified in §115.121(b)(2)-(3) < 100 lb (45.4 kg) in any continuous 24-hour period is exempt from § 115.121(b).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
GRPEPV06	EP	115-VENT045	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(b)(2)(B) § 115.127(b)(2)	A vent gas stream with a concentration of the VOC or classes of compounds specified in § 115.121(b)(2)-(3) of this title < 30,000 ppmv is exempt from § 115.121(b).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
GRPEPV10	EP	115-VENT051	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(b) § 115.121(b) § 115.122(b)(2)	For all persons in Nueces and Victoria Counties, any vent gas streams affected by §115.121(b) of this title must be controlled properly with a control efficiency of at least 90% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(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)
GRPEPV10	EP	63G-VENT0003	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)	[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)
GRPETK03	EU	115TK-00330	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)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPETH03	EU	115TK-00335	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)
GRPETH03	EU	63CC-TANK00007	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPETH03	EU	63CC-TANK00187	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(2) § 63.1063(a)(1)(ii) § 63.1063(a)(1)(ii)(B) § 63.1063(a)(1)(ii)(C) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(vii) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(A) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(b)(5) § 63.1063(d)(3)(ii) § 63.1063(d)(3)(iii) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b) [G]§ 63.660(b)(2)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(2) § 63.1063(c)(2)(i) § 63.1063(c)(2)(ii) § 63.1063(c)(2)(iii) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) [G]§ 63.1063(d)(1) § 63.1063(d)(3) [G]§ 63.1063(d)(3)(i) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(b)(2) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1063(c)(2)(iv)(B) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(3)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(2)(ii) § 63.655(h)(6) § 63.655(h)(6)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPETH03	EU	63CC-TANK00189	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(2) § 63.1063(a)(1)(ii) § 63.1063(a)(1)(ii)(B) § 63.1063(a)(1)(ii)(C) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(vii) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(B) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(b)(5) § 63.1063(d)(3)(ii) § 63.1063(d)(3)(iii) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b) [G]§ 63.660(b)(2)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(2) § 63.1063(c)(2)(i) § 63.1063(c)(2)(ii) § 63.1063(c)(2)(iii) § 63.1063(c)(2)(iv)(A) § 63.1063(c)(2)(iv)(B) [G]§ 63.1063(d)(1) § 63.1063(d)(3) [G]§ 63.1063(d)(3)(i) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(b)(2) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1063(c)(2)(iv)(B) § 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(3)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(2)(ii) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRPETH03	EU	63G-TANK00033	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)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPETH03	EU	63G-TANK00053	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(c) § 63.119(a)(1) § 63.119(c)(1) § 63.119(c)(1)(i) § 63.119(c)(1)(ii) § 63.119(c)(1)(iii) § 63.119(c)(2)(i) § 63.119(c)(2)(ii) § 63.119(c)(2)(iii) § 63.119(c)(2)(iv) § 63.119(c)(2)(ix) § 63.119(c)(2)(v) § 63.119(c)(2)(vi) § 63.119(c)(2)(vii) § 63.119(c)(2)(viii) § 63.119(c)(2)(x) § 63.119(c)(2)(xi) § 63.119(c)(2)(xii) [G]§ 63.119(c)(3) § 63.119(c)(4) § 63.120(b)(10)(i) § 63.120(b)(5)(i) § 63.120(b)(5)(ii) § 63.120(b)(6)(i) § 63.120(b)(6)(ii) [G]§ 63.120(b)(7) § 63.120(b)(8)	Tanks using an external floating roof, (defined in § 63.111), to comply with §63.119(a)(1) shall comply with §63.119(c)(1)-(4).	§ 63.120(b)(1)(i) § 63.120(b)(1)(iii) § 63.120(b)(1)(iv) § 63.120(b)(10) § 63.120(b)(2)(i) § 63.120(b)(2)(ii) § 63.120(b)(2)(iii) § 63.120(b)(3) § 63.120(b)(4)	[G]§ 63.120(b)(7) § 63.120(b)(8) § 63.123(a) § 63.123(d) § 63.123(g) [G]§ 63.152(a)	§ 63.120(b)(10)(ii) § 63.120(b)(10)(iii) § 63.120(b)(9) [G]§ 63.122(e)(1) § 63.122(e)(2) § 63.122(e)(3) § 63.122(e)(3)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
GRPETH12	EU	63CC-TANK00007	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPETH12	EU	63G-TANK00033	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)
GRPETH23	EU	115TK-00329	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)
GRPETH23	EU	115TK-00334	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)
GRPETH23	EU	63CC-TANK00007	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPETH23	EU	63CC-TANK00158	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(1) § 63.1063(a)(1)(i) § 63.1063(a)(1)(i)(B) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(iv) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(vii) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(A) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(b)(5) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b) [G]§ 63.660(b)(2)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(1) [G]§ 63.1063(c)(1)(i) [G]§ 63.1063(d)(1) § 63.1063(d)(2) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(2)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(6) § 63.655(h)(6)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPETH23	EU	63CC-TANK00160	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(1) § 63.1063(a)(1)(i) § 63.1063(a)(1)(i)(B) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(iv) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(vii) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(B) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(b)(5) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b) [G]§ 63.660(b)(2)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(1) [G]§ 63.1063(c)(1)(i) [G]§ 63.1063(d)(1) § 63.1063(d)(2) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(2)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRPETH23	EU	63G-TANK00033	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)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPETH23	EU	63G-TANK00051	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)
GRPETH52	EU	61FF-TK01028	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(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)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPETH53	EU	61FF-TK00996	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(C) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(1) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(1) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(A) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(4)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A)
GRPETH56	EU	61FF-TK01028	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(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)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPETH58	EU	63CC-TANK00007	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRPETH58	EU	63G-TANK00033	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)
GRPETH60	EU	115TK-00329	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)
GRPETH60	EU	115TK-00334	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)
GRPETK60	EU	61FF-TK01041	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)
GRPETK60	EU	63CC-TANK00007	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(c)(2) § 63.642(b) § 63.642(n)	All storage vessels associated with petroleum refining process units meeting the criteria in §63.640(a) are part of the affected source.	§ 63.660(a)(1) § 63.660(a)(2)	§ 63.655(g)(7)(ii) § 63.655(i) § 63.655(i)(1)(vi) § 63.655(i)(6) § 63.660(a)(1)	§ 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(g) § 63.655(g)(14) § 63.655(g)(7) § 63.655(g)(7)(i) § 63.655(h) § 63.655(h)(6) § 63.655(h)(6)(ii)

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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)
GRPETH60	EU	63CC-TANK00158	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(1) § 63.1063(a)(1)(i) § 63.1063(a)(1)(i)(B) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(iv) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(vii) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(A) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(b)(5) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b) [G]§ 63.660(b)(2)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(1) [G]§ 63.1063(c)(1)(i) [G]§ 63.1063(d)(1) § 63.1063(d)(2) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(2)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(6) § 63.655(h)(6)(ii)

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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)
GRPETH60	EU	63CC-TANK00160	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.660 § 63.1062(a) § 63.1062(a)(1) § 63.1063(a)(1)(i) § 63.1063(a)(1)(i)(B) § 63.1063(a)(2)(i) § 63.1063(a)(2)(ii) § 63.1063(a)(2)(iii) § 63.1063(a)(2)(iv) § 63.1063(a)(2)(ix) § 63.1063(a)(2)(v) § 63.1063(a)(2)(vi) § 63.1063(a)(2)(vii) § 63.1063(a)(2)(viii) § 63.1063(a)(2)(viii)(B) § 63.1063(b)(1) § 63.1063(b)(2) § 63.1063(b)(3) § 63.1063(b)(4) § 63.1063(b)(5) § 63.1063(e)(1) § 63.1063(e)(2) § 63.642(b) § 63.642(n) § 63.660(b) [G]§ 63.660(b)(2)	For each Group 1 storage vessel for which the maximum true vapor pressure of stored liquid is less than 76.6 kilopascals (11.1 psia), the owner or operator shall comply with the requirements in Subpart WW of this part, according to the requirements in §63.660(a)-(i).	§ 63.1063(c)(1) [G]§ 63.1063(c)(1)(i) [G]§ 63.1063(d)(1) § 63.1063(d)(2) § 63.660(a)(1) § 63.660(a)(2)	§ 63.1063(e)(2) § 63.1065 § 63.1065(a) [G]§ 63.1065(b)(1) § 63.1065(c) § 63.1065(d) § 63.655(i) § 63.655(i)(1) § 63.655(i)(1)(v) § 63.655(i)(6) § 63.660(a)(1)	§ 63.1066(b)(1) § 63.1066(b)(2) § 63.1066(b)(4) § 63.642(f) § 63.655(f) § 63.655(f)(1)(i)(A) § 63.655(f)(6) § 63.655(g) § 63.655(g)(14) [G]§ 63.655(g)(2)(ii) § 63.655(h) § 63.655(h)(2)(i) § 63.655(h)(2)(i)(A) § 63.655(h)(2)(i)(B) § 63.655(h)(2)(i)(C) § 63.655(h)(6) § 63.655(h)(6)(ii)
GRPETH60	EU	63G-TANK00033	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)

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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)
GRPETK60	EU	63G-TANK00051	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)
GRPETK61	EU	115TK-00183	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(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
GRPETK61	EU	115TK-00253	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.116(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

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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)
GRPETH61	EU	60Kb-00031	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which construction/reconstruction/ modification began after 7/23/84.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
GRPETH61	EU	60Kb-00038	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
GRPETH61	EU	60Kb-00041	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(b)(1) [G]§ 60.112b(a)(3)	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).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b

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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)
GRPETH61	EU	60Kb-00094	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/84.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
GRPETH61	EU	60Kb-00101	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
GRPETH61	EU	60Kb-00104	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(b)(1) [G]§ 60.112b(a)(3)	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).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPETK61	EU	60Kb-00337	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/84.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii)	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.116b(d)
GRPETK61	EU	60Kb-00339	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/84.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)
GRPETK61	EU	60Kb-00340	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/84.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii)	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e)(2)(ii)	§ 60.116b(d)
GRPETK61	EU	60Kb-00372	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b) § 60.116b(e)(2)(ii)	[G]§ 60.113b(c)(1) § 60.115b

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPETK61	EU	60Kb-00374	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
GRPETK61	EU	60Kb-00375	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b) § 60.116b(e)(2)(ii)	[G]§ 60.113b(c)(1) § 60.115b
GRPETK61	EU	60Kb-00387	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(b)(1) [G]§ 60.112b(a)(3)	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).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b) § 60.116b(e)(2)(ii)	[G]§ 60.113b(c)(1) § 60.115b

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPETH61	EU	60Kb-00389	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(b)(1) [G]§ 60.112b(a)(3)	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).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2) § 60.116b(e)(2)(i) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
GRPETH61	EU	60Kb-00390	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(b)(1) [G]§ 60.112b(a)(3)	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).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(2) § 60.116b(e)(2)(ii) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b) § 60.116b(e)(2)(ii)	[G]§ 60.113b(c)(1) § 60.115b
GRPETH61	EU	60Kb-00427	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/84.	§ 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(d) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3)	§ 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.116b(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPETH61	EU	60Kb-00434	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
GRPETH61	EU	60Kb-00437	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(b)(1) [G]§ 60.112b(a)(3)	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).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
GRPETH61	EU	60Kb-00469	VOC	40 CFR Part 60, Subpart Kb	§ 60.110b(a)	Except for §60.110b(b), this subpart applies to vessels with a capacity greater than or equal to 75 cubic meters (19,800 gal) used to store VOLs for which construction/reconstruction/modification began after 7/23/84.	§ 60.116b(a) § 60.116b(b) § 60.116b(d) § 60.116b(f)(2)	§ 60.116b(a) § 60.116b(b)	§ 60.116b(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPETH61	EU	60Kb-00476	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(3)	Storage vessels specified in §60.112b(a) and equipped with a closed vent system/control device are to meet the specifications of §60.112b(a)(3)(i)-(ii).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b
GRPETH61	EU	60Kb-00479	VOC	40 CFR Part 60, Subpart Kb	§ 60.112b(b)(1) [G]§ 60.112b(a)(3)	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).	[G]§ 60.113b(c)(1) § 60.113b(c)(2) § 60.116b(a) § 60.116b(b) § 60.116b(e) § 60.116b(e)(1) [G]§ 60.116b(e)(3) § 60.116b(f)(1) [G]§ 60.485(b) ** See Periodic Monitoring Summary	§ 60.115b [G]§ 60.115b(c) § 60.116b(a) § 60.116b(b)	[G]§ 60.113b(c)(1) § 60.115b

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPETH61	EU	61FF-TK00996	Benzene	40 CFR Part 61, Subpart FF	§ 61.343(a)(1) § 61.343(a)(1)(i)(A) § 61.343(a)(1)(i)(B) § 61.343(c) § 61.343(d) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(C) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device.	§ 61.343(a)(1)(i)(A) § 61.343(c) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(1) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(1) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(A) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(4)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A)
GRPETH1	PRO	61FF-TP00002	Benzene	40 CFR Part 61, Subpart FF	§ 61.348(a)(1) § 61.348(a)(1)(i) § 61.348(a)(2) § 61.348(a)(3) § 61.348(a)(4) § 61.348(e) § 61.348(e)(1) § 61.348(e)(2) § 61.348(f) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(C) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall design, install, operate and maintain a treatment process that removes or destroys benzene as specified.	§ 61.348(f) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(a)(1) § 61.354(c) § 61.354(c)(1) § 61.355(d) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(1) § 61.355(d) § 61.356(e) § 61.356(e)(1) [G]§ 61.356(e)(3) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(A) § 61.356(h) [G]§ 61.356(i) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(4)	§ 61.357(d)(7) § 61.357(d)(7)(i) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
LPGLOAD	EU	115NC-LD00010	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(4) § 115.212(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	All loading and unloading of crude oil, condensate, and liquefied petroleum gas is exempt from the requirements of the division (relating to Loading and Unloading of Volatile Organic Compounds), except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i)	§ 115.216 § 115.216(3)(A) § 115.216(3)(A)(ii) § 115.216(3)(B)	None
MARINETE RM	EU	61BB-00011	Benzene	40 CFR Part 61, Subpart BB	[G]§ 61.302(a) § 61.302(b) § 61.302(f) § 61.302(g) § 61.302(j) § 61.302(k)	Equip each loading rack with vapor collection system to collect all displaced benzene vapors and prevent it from passing from one loading rack through another to the atmosphere. § 61.302(a)(1)-(2)	§ 61.302(k) § 61.303(a) § 61.303(a)(1) § 61.304(a)(1) § 61.304(a)(2) [G]§ 61.304(a)(3) § 61.304(a)(4) § 61.304(a)(4)(i) § 61.304(a)(4)(ii) § 61.304(a)(4)(iii) § 61.304(a)(4)(iv) § 61.304(a)(5) § 61.304(a)(6) § 61.304(a)(7) § 61.304(d)(1) § 61.304(d)(2) § 61.304(d)(3) § 61.304(e)	§ 61.304(a)(4)(i) § 61.304(d)(3) § 61.305(a) [G]§ 61.305(a)(1) § 61.305(b) § 61.305(b)(1)	§ 61.305(a) § 61.305(a)(5) § 61.305(b) § 61.305(b)(1) § 61.305(f) § 61.305(f)(1)
MARINETE RM	EU	63CC-MLOAD00002	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.651(a) § 63.642(b) § 63.642(n)	Except as provided in §63.651(b)-(e), each owner or operator of a marine tank vessel loading operation located at a petroleum refinery shall comply with the requirements of §§63.560 through 63.568.	§ 63.642(d)(1) § 63.642(d)(3) § 63.642(d)(4)	§ 63.642(d)(3) § 63.655(c) § 63.655(i) § 63.655(i)(6)	§ 63.642(d)(2) § 63.642(f) § 63.655(c)

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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)
MARINETE RM	EU	63Y-00006	112(B) HAPS	40 CFR Part 63, Subpart Y	§ 63.560(a)(2) § 153.282 § 63.560(a)(4)	Existing sources with emissions less than 10 and 25 tons are not subject to the emissions standards in §63.562(b) and (d).	§ 63.565(l)	§ 63.567(j)(4)	None
PORTFGCD J	EU	60J-COMB000 1	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(f) § 60.107(g)
PORTFGCD J	EU	60J-COMB000 2	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H ₂ S) in excess of 230 mg/dscm (0.10 gr/dscf). The combustion in a flare of process upset gases or fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emission limitation in §60.104(a)(1).	§ ** See Alternative Requirement [G]§ 60.105(a)(3) § 60.106(a) § 60.106(e)(2)	[G]§ 60.105(a)(3)	§ 60.105(e)(3)(i) § 60.107(f) § 60.107(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PORTFGCD JA	EU	60Ja-COMB000 1	Hydrogen Sulfide	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(1)(ii) § 60.102a(a) § 60.102a(g) § 60.102a(g)(1) § 60.103a(c) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(5) [G]§ 60.103a(e)	For each fuel gas combustion device the owner or operator shall not burn in any fuel gas combustion device any fuel gas that contains H ₂ S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis and H ₂ S in excess of 60 ppmv determined daily on a 365 successive calendar day rolling average basis.	§ 60.104a(a) § 60.104a(c) [G]§ 60.104a(j) § 60.107a(a) § 60.107a(a)(2) § 60.107a(a)(2)(i) § 60.107a(a)(2)(ii) § 60.107a(a)(2)(iii) § 60.107a(i) § 60.107a(i)(1)(ii)	§ 60.108a(a) § 60.108a(c) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	§ 60.108a(a) § 60.108a(b) [G]§ 60.108a(d)
PORTFGCD JA	EU	60Ja-COMB000 2	SO ₂	40 CFR Part 60, Subpart Ja	§ 60.102a(g)(1)(i) § 60.102a(a) § 60.102a(g) § 60.102a(g)(1) § 60.103a(c) § 60.103a(c)(2) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(5) [G]§ 60.103a(e)	For each fuel gas combustion device the owner or operator shall not discharge or cause the discharge of any gases into the atmosphere that contain SO ₂ in excess of 20 ppmv (dry basis, corrected to 0 percent excess air) determined hourly on a 3-hour rolling average basis and SO ₂ in excess of 8 ppmv (dry basis, corrected to 0 percent excess air), determined daily on a 365 successive day rolling average basis.	§ 60.104a(a) § 60.104a(c) § 60.104a(i) § 60.104a(i)(1) § 60.104a(i)(2) § 60.104a(i)(3) [G]§ 60.104a(i)(4) § 60.107a(a) [G]§ 60.107a(a)(1) § 60.107a(i) § 60.107a(i)(1)(i)	§ 60.108a(a) § 60.108a(c) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	§ 60.108a(a) § 60.108a(b) [G]§ 60.108a(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PRO29SRU	EU	112-SRU00002	SO ₂	30 TAC Chapter 112, Sulfur Compounds	§ 112.7(a)	No person may cause, suffer, allow, or permit emissions of SO ₂ to exceed the emission limits specified for stack effluent flow rates less than or equal to 4,000 scfm as determined by the specified equation in §112.7(a).	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)
PRO29SRU	EU	60Ja-SRU00003	SO ₂	40 CFR Part 60, Subpart Ja	§ 60.102a(f)(1)(i) § 60.102a(a) § 60.102a(f) § 60.102a(f)(1) § 60.102a(f)(3) § 60.103a(c) § 60.103a(c)(3) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(5) [G]§ 60.103a(e)	For a sulfur recovery plant with a design production capacity greater than 20 LTD with an oxidation control or a reduction control system followed by incineration, the owner or operator shall not discharge SO ₂ gases into the atmosphere in excess of the emission limit calculated using Equation 1 in §60.102a(f)(1)(i) of this section.	§ 60.104a(a) § 60.104a(c) § 60.104a(h) § 60.104a(h)(1) § 60.104a(h)(2) § 60.104a(h)(3) § 60.104a(h)(4) § 60.104a(h)(6) § 60.106a(a) [G]§ 60.106a(a)(1) [G]§ 60.106a(a)(5) § 60.106a(a)(7)(iv) § 60.106a(b) § 60.106a(b)(1)	§ 60.102a(f)(3) § 60.108a(a) § 60.108a(c) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	§ 60.108a(a) § 60.108a(b) [G]§ 60.108a(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PRO29SRU	EU	63UUU-SRU00006	SO ₂	40 CFR Part 63, Subpart UUU	§ 63.1568(a)(1)-Table 29.1.a § 63.1568(a)(1) § 63.1568(a)(2) § 63.1568(a)(2)-Table 30.1 § 63.1568(a)(2)-Table 30.6 § 63.1568(a)(3) § 63.1568(a)(4) § 63.1568(a)(4)(i) § 63.1568(a)(4)(iii) § 63.1568(b)(3) § 63.1568(b)(4) § 63.1568(b)(5) § 63.1568(c)(1) § 63.1568(c)(1)-Table 35.1 § 63.1568(c)(2) § 63.1569(a)(1) § 63.1569(a)(1)(i)-Table 36.1 § 63.1569(a)(3) § 63.1569(b)(1) § 63.1569(b)(1)-Table 37.1 § 63.1569(b)(2) § 63.1569(b)(2)-Table 38.1.a § 63.1569(c)(1) § 63.1569(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d)	For each new or existing Claus SRU part of a sulfur recovery plant with design capacity greater than 20 long tons per day or more and subject to NSPS for sulfur oxides in 40 CFR §60.104(a)(2) or §60.102a(f)(1), you must meet the emission limit for each process vent concentration determined using Equation 1 in §60.102a(f)(1)(i) if you use an oxidation or reduction control system followed by incineration.	§ 63.1568(b)(1) § 63.1568(b)(1)-Table 31.1.c.i § 63.1568(b)(1)-Table 31.1.c.ii § 63.1568(b)(1)-Table 31.5 § 63.1568(c)(1)-Table 34.1.a § 63.1568(c)(1)-Table 35.5.a § 63.1568(c)(1)-Table 35.5.b § 63.1569(b)(1) § 63.1569(b)(1)-Table 37.1 § 63.1569(c)(1)-Table 39.1 § 63.1571(a) § 63.1571(a)(1) [G]§ 63.1571(b) § 63.1572(a) § 63.1572(a)(1) § 63.1572(a)(1)-Table 40.5 § 63.1572(a)(1)-Table 40.9 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d)	§ 63.1568(b)(1)-Table 31.1.c.i § 63.1568(b)(1)-Table 31.1.c.ii § 63.1569(b)(1)-Table 37.1 § 63.1569(c)(1)-Table 39.1 § 63.1569(c)(1)-Table 39.5 § 63.1570(c) § 63.1570(d) [G]§ 63.1576(a) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1568(b)(6) § 63.1568(b)(7) § 63.1569(b)(3) § 63.1569(b)(4) § 63.1569(c)(1)-Table 39.5 § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(c) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 § 63.1575(a)-Table 43.2 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) § 63.1575(k) [G]§ 63.1575(k)(1) [G]§ 63.1575(k)(2) [G]§ 63.1575(l) [G]§ 63.1576(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PRO29SRU	EU	63UUU-SRU00007	SO ₂	40 CFR Part 63, Subpart UUU	§ 63.1568(a)(1)-Table 29.1.a § 63.1568(a)(1) § 63.1568(a)(2) § 63.1568(a)(2)-Table 30.1 § 63.1568(a)(2)-Table 30.6 § 63.1568(a)(3) § 63.1568(a)(4) § 63.1568(a)(4)(i) § 63.1568(a)(4)(iii) § 63.1568(b)(3) § 63.1568(b)(4) § 63.1568(b)(5) § 63.1568(c)(1) § 63.1568(c)(1)-Table 35.1 § 63.1568(c)(2) § 63.1569(a)(1) § 63.1569(a)(1)(ii)-Table 36.2 § 63.1569(a)(3) § 63.1569(b)(2) § 63.1569(b)(2)-Table 38.1.b § 63.1569(c)(1) § 63.1569(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d)	For each new or existing Claus SRU part of a sulfur recovery plant with design capacity greater than 20 long tons per day or more and subject to NSPS for sulfur oxides in 40 CFR §60.104(a)(2) or §60.102a(f)(1), you must meet the emission limit for each process vent concentration determined using Equation 1 in §60.102a(f)(1)(i) if you use an oxidation or reduction control system followed by incineration.	§ 63.1568(b)(1) § 63.1568(b)(1)-Table 31.1.c.i § 63.1568(b)(1)-Table 31.1.c.ii § 63.1568(b)(1)-Table 31.5 § 63.1568(c)(1)-Table 34.1.a § 63.1568(c)(1)-Table 35.5.a § 63.1568(c)(1)-Table 35.5.b § 63.1569(c)(1)-Table 39.2 § 63.1571(a) § 63.1571(a)(1) [G]§ 63.1571(b) § 63.1572(a) § 63.1572(a)(1) § 63.1572(a)(1)-Table 40.5 § 63.1572(a)(1)-Table 40.9 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d)	§ 63.1568(b)(1)-Table 31.1.c.i § 63.1568(b)(1)-Table 31.1.c.ii § 63.1569(c)(1)-Table 39.2 § 63.1569(c)(1)-Table 39.5 § 63.1570(c) § 63.1570(d) [G]§ 63.1576(a) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1568(b)(6) § 63.1568(b)(7) § 63.1569(b)(3) § 63.1569(b)(4) § 63.1569(c)(1)-Table 39.5 § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(c) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 § 63.1575(a)-Table 43.2 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) § 63.1575(k) [G]§ 63.1575(k)(1) [G]§ 63.1575(k)(2) [G]§ 63.1575(l) [G]§ 63.1576(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PRO46SRU	EU	112-SRU00002	SO ₂	30 TAC Chapter 112, Sulfur Compounds	§ 112.7(a)	No person may cause, suffer, allow, or permit emissions of SO ₂ to exceed the emission limits specified for stack effluent flow rates less than or equal to 4,000 scfm as determined by the specified equation in §112.7(a).	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)
PRO46SRU	EU	60Ja-SRU00003	SO ₂	40 CFR Part 60, Subpart Ja	§ 60.102a(f)(1)(i) § 60.102a(a) § 60.102a(f) § 60.102a(f)(1) § 60.102a(f)(3) § 60.103a(c) § 60.103a(c)(3) § 60.103a(d) § 60.103a(d)(1) § 60.103a(d)(5) [G]§ 60.103a(e)	For a sulfur recovery plant with a design production capacity greater than 20 LTD with an oxidation control or a reduction control system followed by incineration, the owner or operator shall not discharge SO ₂ gases into the atmosphere in excess of the emission limit calculated using Equation 1 in §60.102a(f)(1)(i) of this section.	§ 60.104a(a) § 60.104a(c) § 60.104a(h) § 60.104a(h)(1) § 60.104a(h)(2) § 60.104a(h)(3) § 60.104a(h)(4) § 60.104a(h)(6) § 60.106a(a) [G]§ 60.106a(a)(1) [G]§ 60.106a(a)(5) § 60.106a(a)(7)(iv) § 60.106a(b) § 60.106a(b)(1)	§ 60.102a(f)(3) § 60.108a(a) § 60.108a(c) [G]§ 60.108a(c)(6) [G]§ 60.108a(d)	§ 60.108a(a) § 60.108a(b) [G]§ 60.108a(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PRO46SRU	EU	63UUU-SRU00006	SO ₂	40 CFR Part 63, Subpart UUU	§ 63.1568(a)(1)-Table 29.1.a § 63.1568(a)(1) § 63.1568(a)(2) § 63.1568(a)(2)-Table 30.1 § 63.1568(a)(2)-Table 30.6 § 63.1568(a)(3) § 63.1568(a)(4) § 63.1568(a)(4)(i) § 63.1568(a)(4)(iii) § 63.1568(b)(3) § 63.1568(b)(4) § 63.1568(b)(5) § 63.1568(c)(1) § 63.1568(c)(1)-Table 35.1 § 63.1568(c)(2) § 63.1569(a)(1) § 63.1569(a)(1)(i)-Table 36.1 § 63.1569(a)(3) § 63.1569(b)(1) § 63.1569(b)(1)-Table 37.1 § 63.1569(b)(2) § 63.1569(b)(2)-Table 38.1.a § 63.1569(c)(1) § 63.1569(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d)	For each new or existing Claus SRU part of a sulfur recovery plant with design capacity greater than 20 long tons per day or more and subject to NSPS for sulfur oxides in 40 CFR §60.104(a)(2) or §60.102a(f)(1), you must meet the emission limit for each process vent concentration determined using Equation 1 in §60.102a(f)(1)(i) if you use an oxidation or reduction control system followed by incineration.	§ 63.1568(b)(1) § 63.1568(b)(1)-Table 31.1.c.i § 63.1568(b)(1)-Table 31.1.c.ii § 63.1568(b)(1)-Table 31.5 § 63.1568(c)(1)-Table 34.1.a § 63.1568(c)(1)-Table 35.5.a § 63.1568(c)(1)-Table 35.5.b § 63.1569(b)(1) § 63.1569(b)(1)-Table 37.1 § 63.1569(c)(1)-Table 39.1 § 63.1571(a) § 63.1571(a)(1) [G]§ 63.1571(b) § 63.1572(a) § 63.1572(a)(1) § 63.1572(a)(1)-Table 40.5 § 63.1572(a)(1)-Table 40.9 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d)	§ 63.1568(b)(1)-Table 31.1.c.i § 63.1568(b)(1)-Table 31.1.c.ii § 63.1569(b)(1)-Table 37.1 § 63.1569(c)(1)-Table 39.1 § 63.1569(c)(1)-Table 39.5 § 63.1570(c) § 63.1570(d) [G]§ 63.1576(a) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1568(b)(6) § 63.1568(b)(7) § 63.1569(b)(3) § 63.1569(b)(4) § 63.1569(c)(1)-Table 39.5 § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(c) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 § 63.1575(a)-Table 43.2 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) § 63.1575(k) [G]§ 63.1575(k)(1) [G]§ 63.1575(k)(2) [G]§ 63.1575(l) [G]§ 63.1576(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PROBTX	EU	63UUU-CRU00005	Hydrogen Chloride	40 CFR Part 63, Subpart UUU	§ 63.1567(a)(1)-Table 22.2 § 63.1567(a)(1) § 63.1567(a)(1)(iii) § 63.1567(a)(2) § 63.1567(a)(2)-Table 23.2 § 63.1567(a)(3) § 63.1567(b)(3) § 63.1567(b)(4) § 63.1567(b)(4)(i) § 63.1567(b)(4)(iii) § 63.1567(b)(5) § 63.1567(b)(5)-Table 26.2 § 63.1567(c)(1) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1571(d) § 63.1571(d)(4) [G]§ 63.1571(e)	For each existing cyclic or continuous CRU, you must reduce uncontrolled emissions of HCl by 97 percent by weight or to a concentration of 10 ppmv (dry basis), corrected to 3% oxygen.	§ 63.1567(b)(1) § 63.1567(b)(1)-Table 24.2 § 63.1567(b)(2) § 63.1567(b)(2)-Table 25.1.a.(1) § 63.1567(b)(2)-Table 25.1.a.(2) § 63.1567(b)(2)-Table 25.1.b § 63.1567(b)(2)-Table 25.1.c § 63.1567(b)(2)-Table 25.1.d § 63.1567(b)(2)-Table 25.1.e.(1) § 63.1567(b)(2)-Table 25.1.e.(2) § 63.1567(b)(2)-Table 25.1.e.(3) § 63.1567(b)(2)-Table 25.1.e.(4) § 63.1567(b)(2)-Table 25.3 § 63.1567(c)(1)-Table 27.2 § 63.1567(c)(1)-Table 28.2 § 63.1571(a) § 63.1571(a)(1) [G]§ 63.1571(b) § 63.1572(c) § 63.1572(c)(1) § 63.1572(c)(1)-Table 41.3 § 63.1572(c)(2) § 63.1572(c)(3) § 63.1572(c)(4) [G]§ 63.1572(d)	§ 63.1567(b)(2)-Table 25.1.e.(2) § 63.1567(b)(2)-Table 25.1.e.(3) § 63.1567(b)(2)-Table 25.1.e.(4) § 63.1567(c)(1)-Table 28.2 § 63.1567(c)(2) § 63.1570(c) § 63.1570(d) § 63.1572(c)(4) § 63.1572(c)(5) [G]§ 63.1576(a) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1567(b)(6) § 63.1567(b)(7) § 63.1570(f) § 63.1571(a) § 63.1571(d)(4) [G]§ 63.1574(a) § 63.1574(c) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 § 63.1575(a)-Table 43.2 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(d) [G]§ 63.1575(f) § 63.1575(g) § 63.1575(k) [G]§ 63.1575(k)(1) [G]§ 63.1575(l)

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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)
PROBTX	EU	63UUU-CRU00005	TOC	40 CFR Part 63, Subpart UUU	§ 63.1566(a)(1)-Table 15.1 § 63.1566(a)(1) § 63.1566(a)(1)(i) § 63.1566(a)(2) § 63.1566(a)(2)-Table 16.1 § 63.1566(a)(3) § 63.1566(a)(4) § 63.1566(a)(5) § 63.1566(b)(3) § 63.1566(b)(4) § 63.1566(b)(6) § 63.1566(b)(6)-Table 19.1 § 63.1566(c)(1) § 63.1566(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d) § 63.1571(d) § 63.1571(d)(4) [G]§ 63.1571(e) § 63.670(c) § 63.671(a)	For each applicable process vent for a new or existing catalytic reforming unit, you must vent emissions of total organic compounds (TOC) to a flare that meets the control device requirements of §63.670. (Option 1).	§ 63.1566(b)(1) § 63.1566(b)(1)-Table 17.1 § 63.1566(b)(2) § 63.1566(b)(2)-Table 18.1.a § 63.1566(b)(2)-Table 18.1.b § 63.1566(b)(5) § 63.1566(b)(5)(i) § 63.1566(c)(1)-Table 20.1 § 63.1566(c)(1)-Table 21.1 § 63.1571(a) § 63.1571(a)(1) § 63.1572(c) [G]§ 63.1572(d)	§ 63.1566(c)(1)-Table 21.1 § 63.1570(c) § 63.1570(d) [G]§ 63.1576(a) § 63.1576(c) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1566(b)(7) § 63.1566(b)(8) § 63.1570(f) § 63.1571(a) § 63.1571(d)(4) [G]§ 63.1574(a) § 63.1574(c) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 § 63.1575(a)-Table 43.2 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(f) § 63.1575(g) § 63.1575(k) [G]§ 63.1575(k)(1) [G]§ 63.1575(l)
PROFCCU	EU	60J-FCCU00001	CO	40 CFR Part 60, Subpart J	§ 60.103(a) § 60.105(a)(2)	No owner or operator shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator any gases that contain carbon monoxide (CO) in excess of 500 ppm by volume (dry basis).	§ 60.105(a)(2) § 60.105(a)(2)(i) § 60.106(a) § 60.106(d)	§ 60.105(a)(2) § 60.105(c)	§ 60.105(e)(2) § 60.107(f) § 60.107(g)

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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)
PROFCCU	EU	60J-FCCU00001	PM	40 CFR Part 60, Subpart J	§ 60.102(a)(1)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator particulate matter in excess of 1.0 kg/Mg (2.0 lb/ton) of coke burn-off in the catalyst regenerator.	§ 60.106(a) § 60.106(b) § 60.106(b)(1) § 60.106(b)(2) [G]§ 60.106(b)(3)	§ 60.105(c)	§ 60.107(f) § 60.107(g)
PROFCCU	EU	60J-FCCU00001	PM (Opacity)	40 CFR Part 60, Subpart J	§ 60.102(a)(2)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any fluid catalytic cracking unit catalyst regenerator gases exhibiting greater than 30 percent opacity, except for one six-minute average opacity reading in any one hour period.	§ 60.105(a)(1) § 60.106(a) § 60.106(b) § 60.106(b)(4)	§ 60.105(a)(1) § 60.105(c)	§ 60.105(e)(1) § 60.107(f) § 60.107(g)
PROFCCU	EU	60J-FCCU00001	SO ₂	40 CFR Part 60, Subpart J	§ 60.104(b)(1) § 60.104(c) § 60.104(d)	For each affected fluid catalytic cracking unit catalyst regenerator with an add-on control device, reduce sulfur dioxide emissions to the atmosphere by 90 percent or maintain sulfur dioxide emissions to the atmosphere less than or equal to 50 ppm by volume, whichever is less stringent.	§ 60.105(a)(10) § 60.105(a)(11) [G]§ 60.105(a)(12) [G]§ 60.105(a)(13) [G]§ 60.105(a)(8) [G]§ 60.105(a)(9) § 60.106(a) § 60.106(g) [G]§ 60.106(h) [G]§ 60.106(k) § 60.108(a) § 60.108(c) § 60.108(d) § 60.108(e)	§ 60.105(a)(10) § 60.105(a)(11) [G]§ 60.105(a)(12) [G]§ 60.105(a)(13) [G]§ 60.105(a)(8) [G]§ 60.105(a)(9) [G]§ 60.107(b)(1) § 60.107(b)(4)	§ 60.107(a) § 60.107(c) [G]§ 60.107(c)(1) § 60.107(c)(2) [G]§ 60.107(c)(3) [G]§ 60.107(c)(4) § 60.107(d) § 60.107(f) § 60.107(g) § 60.108(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PROFCCU	EU	63UUU-FCCU00003	CO	40 CFR Part 63, Subpart UUU	§ 63.1565(a)(1)-Table 8.1 § 63.1565(a)(1) § 63.1565(a)(2) § 63.1565(a)(2)-Table 9.1 § 63.1565(a)(2)-Table 9.3 § 63.1565(a)(3) § 63.1565(a)(4) § 63.1565(a)(5) § 63.1565(b)(4) § 63.1565(b)(4)-Table 12.1 § 63.1565(c)(1) § 63.1565(c)(2) § 63.1570(a) § 63.1570(c) § 63.1570(d)	For each new and existing CCU subject to the NSPS for CO in 40 CFR §60.103 or §60.102a(b)(4) or electing to comply with the NSPS requirements (Option 1), CO emissions from the catalyst regenerator vent or CO boiler serving the CCU must not exceed 500 parts per million volume (ppmv) (dry basis).	§ 63.1565(b)(1) § 63.1565(b)(1)-Table 10.1 § 63.1565(b)(1)-Table 10.3 § 63.1565(c)(1)-Table 13.1 § 63.1565(c)(1)-Table 14.1 § 63.1565(c)(1)-Table 14.3 § 63.1571(a) § 63.1571(a)(1) § 63.1571(a)(2) [G]§ 63.1571(a)(6) § 63.1572(a) § 63.1572(a)(1) § 63.1572(a)(1)-Table 40.3 § 63.1572(a)(2) § 63.1572(a)(3) § 63.1572(a)(4) [G]§ 63.1572(d)	§ 63.1565(b)(1)-Table 10.1 § 63.1565(c)(1)-Table 14.3 § 63.1570(c) § 63.1570(d) [G]§ 63.1576(a) [G]§ 63.1576(b) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1565(b)(5) § 63.1565(b)(6) § 63.1570(f) § 63.1571(a) [G]§ 63.1574(a) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(h) [G]§ 63.1575(i) § 63.1575(k) § 63.1575(k)(1) [G]§ 63.1575(k)(2) § 63.1575(l) § 63.1576(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PROFCCU	EU	63UUU-FCCU00003	PM	40 CFR Part 63, Subpart UUU	§ 63.1564(a)(1)-Table 1.1 § 63.1564(a)(1) § 63.1564(a)(2) § 63.1564(a)(2)-Table 2.10 § 63.1564(a)(3) § 63.1564(a)(4) [G]§ 63.1564(a)(5) § 63.1564(b)(3) § 63.1564(b)(5) § 63.1564(b)(5)-Table 5.1 § 63.1564(c)(1) § 63.1564(c)(1)-Table 7.10 [G]§ 63.1564(c)(5) § 63.1570(a) § 63.1570(c) § 63.1570(d) [G]§ 63.1573(g)(1) § 63.1573(g)(2)	For each new or existing CCU subject to NSPS for PM in 40 CFR §60.102, PM emissions must not exceed 1.0 g/kg (1.0 lb/1,000 lbs) of coke burn-off.	§ 63.1564(b)(1) § 63.1564(b)(1)-Table 3.12 § 63.1564(b)(2) [G]§ 63.1564(b)(2)-Table 4.1 § 63.1564(b)(2)-Table 4.2.a § 63.1564(b)(2)-Table 4.2.b [G]§ 63.1564(c)(1)-Table 6.1.a § 63.1571(a) § 63.1571(a)(1) § 63.1571(a)(5)(ii) [G]§ 63.1571(b) [G]§ 63.1572(d) § 63.1573(d) § 63.1573(e)	§ 63.1564(b)(1)-Table 3.12 [G]§ 63.1564(c)(1)-Table 6.1.a § 63.1564(c)(2) § 63.1570(c) § 63.1570(d) [G]§ 63.1576(a) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1564(b)(6) § 63.1564(b)(7) § 63.1570(f) § 63.1571(a) [G]§ 63.1573(f) § 63.1573(g)(3) [G]§ 63.1574(a) § 63.1574(c) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 § 63.1575(a)-Table 43.2 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(i) § 63.1575(k) [G]§ 63.1575(k)(1) § 63.1575(l)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PROFCCU	EU	63UUU-FCCU00003	PM (Opacity)	40 CFR Part 63, Subpart UUU	§ 63.1564(a)(1)-Table 1.1 § 63.1564(a)(1) § 63.1564(a)(2) § 63.1564(a)(2)-Table 2.1 § 63.1564(a)(2)-Table 2.10 § 63.1564(a)(3) § 63.1564(a)(4) [G]§ 63.1564(a)(5) § 63.1564(b)(3) § 63.1564(b)(5) § 63.1564(b)(5)-Table 5.1 § 63.1564(c)(1) § 63.1564(c)(1)-Table 7.10 [G]§ 63.1564(c)(5) § 63.1570(b) § 63.1570(c) § 63.1570(d) [G]§ 63.1573(g)(1) [G]§ 63.1573(g)(2)	For each new or existing CCU subject to NSPS for PM in 40 CFR §60.102, the opacity of emissions must not exceed 30%, except for one 6-minute average opacity reading in any 1-hour period.	§ 63.1564(b)(1) § 63.1564(b)(1)-Table 3.1 § 63.1564(b)(1)-Table 3.12 § 63.1564(b)(2) § 63.1564(b)(2)-Table 4.1 § 63.1564(b)(2)-Table 4.2.c [G]§ 63.1564(c)(1)-Table 6.1.a § 63.1564(c)(1)-Table 7.1 § 63.1571(a) § 63.1571(a)(1) § 63.1571(a)(5) [G]§ 63.1571(b) [G]§ 63.1572(d) [G]§ 63.1573(d) § 63.1573(e)	§ 63.1564(b)(1)-Table 3.1 § 63.1564(b)(1)-Table 3.12 [G]§ 63.1564(c)(1)-Table 6.1.a § 63.1564(c)(1)-Table 7.1 § 63.1564(c)(2) § 63.1570(c) § 63.1570(d) [G]§ 63.1576(a) § 63.1576(d) § 63.1576(e) § 63.1576(f) § 63.1576(g) § 63.1576(h) § 63.1576(i)	§ 63.1564(b)(6) § 63.1564(b)(7) § 63.1570(f) § 63.1571(a) [G]§ 63.1573(f) § 63.1573(g)(3) [G]§ 63.1574(a) § 63.1574(c) § 63.1574(d) § 63.1574(d)-Table 42.1 § 63.1574(d)-Table 42.2 § 63.1574(d)-Table 42.3 § 63.1575(a) § 63.1575(a)-Table 43.1 § 63.1575(a)-Table 43.2 [G]§ 63.1575(b) [G]§ 63.1575(c) [G]§ 63.1575(e) [G]§ 63.1575(f) § 63.1575(g) [G]§ 63.1575(i) § 63.1575(k) [G]§ 63.1575(k)(1) [G]§ 63.1575(l)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PVE20V10	EP	63G-VENT00023	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.113(e) [G]§ 63.115(f)	The owner or operator of a Group 2 process vent with a TRE index > 4.0 shall maintain a TRE index value > 4.0, comply with the sections as specified.	[G]§ 63.115(a) [G]§ 63.115(b) [G]§ 63.115(c) [G]§ 63.115(d) § 63.115(e) § 63.115(e)(1) [G]§ 63.115(f)	§ 63.117(b) [G]§ 63.118(c) [G]§ 63.152(a)	§ 63.115(e)(2) [G]§ 63.118(g) [G]§ 63.118(h) [G]§ 63.118(k) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 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)(i) § 63.152(c)(4)(ii) § 63.152(c)(4)(iii)
PVE310R102	EP	111-VENT00035	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E) § 111.111(a)(3)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
PVE310R102	EP	115-VENT045	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(b)(2)(B) § 115.127(b)(2)	A vent gas stream with a concentration of the VOC or classes of compounds specified in § 115.121(b)(2)-(3) of this title < 30,000 ppmv is exempt from § 115.121(b).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
SURFCOAT	PRO	115-COAT00022	VOC	30 TAC Chapter 115, Surface Coating Operations	§ 115.427(7) § 115.426	In Gregg, Nueces, and Victoria Counties, surface coating operations located at any property that, when uncontrolled, will emit a combined weight of VOC less than 550 pounds (249.5 kilograms) in any continuous 24-hour period are exempt from §115.421 of this title. Excluded from this calculation are coatings and solvents used in surface coating activities that are not addressed by the surface coating categories of §115.421(1) - (10) of this title.	§ 115.426(4)	§ 115.426(4)	None
TPE14TK531	PRO	61FF-TP00002	Benzene	40 CFR Part 61, Subpart FF	§ 61.348(a)(1) § 61.348(a)(1)(i) § 61.348(a)(2) § 61.348(a)(3) § 61.348(a)(4) § 61.348(e) § 61.348(e)(1) § 61.348(e)(2) § 61.348(f) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(C) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall design, install, operate and maintain a treatment process that removes or destroys benzene as specified.	§ 61.348(f) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(a)(1) § 61.354(c) § 61.354(c)(1) § 61.355(d) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(1) § 61.355(d) § 61.356(e) § 61.356(e)(1) [G]§ 61.356(e)(3) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(A) § 61.356(h) [G]§ 61.356(i) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(4)	§ 61.357(d)(7) § 61.357(d)(7)(i) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(A)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
TPE14TK53 1	PRO	61FF-TP00004	Benzene	40 CFR Part 61, Subpart FF	§ 61.348(a)(1) § 61.348(a)(1)(i) § 61.348(a)(2) § 61.348(a)(3) § 61.348(a)(4) § 61.348(f) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(ii) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall design, install, operate and maintain a treatment process that removes or destroys benzene as specified.	§ 61.348(f) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(a)(1) § 61.354(d) § 61.355(d) [G]§ 61.355(h)	§ 61.355(d) § 61.356(e) § 61.356(e)(1) [G]§ 61.356(e)(3) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2) § 61.356(f)(2)(i) § 61.356(f)(2)(i)(G) § 61.356(h) [G]§ 61.356(i) § 61.356(j) § 61.356(j)(1) § 61.356(j)(10) § 61.356(j)(2) § 61.356(j)(3)	§ 61.357(d)(7) § 61.357(d)(7)(i)
VSSRU1	EU	115-VAC00016	VOC	30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref	§ 115.317	In Gregg, Nueces and Victoria Counties, a vacuum-producing system emitting a combined weight of VOCs less than or equal to 100 lbs. in any consecutive 24-hour period is exempt from the requirements of §115.311(b).	None	None	None
VSSRU2	EU	115-VAC00016	VOC	30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref	§ 115.317	In Gregg, Nueces and Victoria Counties, a vacuum-producing system emitting a combined weight of VOCs less than or equal to 100 lbs. in any consecutive 24-hour period is exempt from the requirements of §115.311(b).	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)
VSSULFJ2	EU	115-VAC00016	VOC	30 TAC Chapter 115, Unit Turn & Vac System-Pet Ref	§ 115.317	In Gregg, Nueces and Victoria Counties, a vacuum-producing system emitting a combined weight of VOCs less than or equal to 100 lbs. in any consecutive 24-hour period is exempt from the requirements of §115.311(b).	None	None	None

Additional Monitoring Requirements

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Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E11TK323	
Control Device ID No.: PORTTO	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00183
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E11TK323	
Control Device ID No.: PORTTO	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00253
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E11TK323	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00329
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: If 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 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

Unit/Group/Process Information	
ID No.: E11TK323	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00334
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: If 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 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

Unit/Group/Process Information	
ID No.: E11TK325	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00329
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
<p>Deviation Limit: If the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.</p>	
<p>Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E11TK325	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00334
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: If 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 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

Unit/Group/Process Information	
ID No.: E11TK330	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00334
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
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

Unit/Group/Process Information	
ID No.: E11TKR40	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00329
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: If 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 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

Unit/Group/Process Information	
ID No.: E11TKR40	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00334
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: If 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 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

Unit/Group/Process Information	
ID No.: E12TK145	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00329
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: If 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 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

Unit/Group/Process Information	
ID No.: E12TK145	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00334
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: If 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 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

Unit/Group/Process Information	
ID No.: E12TK146	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00329
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: If 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 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

Unit/Group/Process Information	
ID No.: E12TK146	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00334
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: If 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 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

Unit/Group/Process Information	
ID No.: E14T202	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00171
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14T202	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00227
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14T501A/B	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: 115OWS-00029
Pollutant: VOC	Main Standard: § 115.132(b)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK528	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00329
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: If 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 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

Unit/Group/Process Information	
ID No.: E14TK528	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00334
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: If 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 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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: TEMPCARB	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00181
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv	
<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>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00183
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: TEMPCARB	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00251
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv	
<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>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00253
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00038
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: TEMPCARB	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00038
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv	
<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>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00038
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration and not corrected within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00038
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection and not repaired within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00041
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation	
<p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: TEMPCARB	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00041
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv	
<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>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00041
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration and not corrected within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00041
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection and not repaired within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00101
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: TEMPCARB	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00101
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv	
<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>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00101
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration and not corrected within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00101
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection and not repaired within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00104
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: TEMPCARB	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00104
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv	
<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>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00104
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration and not corrected within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00104
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection and not repaired within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00372
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: TEMPCARB	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00372
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv	
<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>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00372
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration and not corrected within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00372
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection and not repaired within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00374
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: TEMPCARB	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00374
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv	
<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>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00374
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration and not corrected within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00374
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection and not repaired within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00375
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: TEMPCARB	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00375
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv	
<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>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00375
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration and not corrected within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00375
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection and not repaired within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00387
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation	
<p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: TEMPCARB	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00387
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv	
<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>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00387
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration and not corrected within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00387
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection and not repaired within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00389
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation	
<p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: TEMPCARB	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00389
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv	
<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>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00389
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration and not corrected within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00389
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection and not repaired within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00390
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation	
<p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: TEMPCARB	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00390
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv	
<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>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00390
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration and not corrected within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00390
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection and not repaired within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00434
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: TEMPCARB	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00434
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv	
<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>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00434
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration and not corrected within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00434
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection and not repaired within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00437
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: TEMPCARB	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00437
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv	
<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>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00437
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration and not corrected within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00437
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection and not repaired within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00476
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: TEMPCARB	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00476
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv	
<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>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00476
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration and not corrected within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00476
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection and not repaired within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00479
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: TEMPCARB	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00479
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv	
<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>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00479
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration and not corrected within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E14TK531	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00479
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection and not repaired within 15 days shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: E18TKCS3	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00164
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: N/A	
Averaging Period: N/A	
Deviation Limit: It is a deviation if the discharged opening is not entirely submerged when the pipe used to withdraw liquid from the tank can no longer withdraw liquid from the tank in normal operation.	
Periodic Monitoring Text: Keep a record of tank construction specifications (e.g. engineering drawings) that show a fill pipe that extends from the top of a tank to have a maximum clearance of six inches (15.2 centimeters) from the bottom or, when the tank is loaded from the side, a discharge opening entirely submerged when the pipe used to withdraw liquid from the tank can no longer withdraw liquid in normal operation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E18TKCS3	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00164
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: N/A	
Deviation Limit: It is a deviation if the structural integrity of the pipe is in question and not repaired before refilling.	
<p>Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed to ensure that it continues to meet the specifications in the above requirement. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E18TKCS3	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00209
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: N/A	
Averaging Period: N/A	
Deviation Limit: It is a deviation if the discharged opening is not entirely submerged when the pipe used to withdraw liquid from the tank can no longer withdraw liquid from the tank in normal operation.	
Periodic Monitoring Text: Keep a record of tank construction specifications (e.g. engineering drawings) that show a fill pipe that extends from the top of a tank to have a maximum clearance of six inches (15.2 centimeters) from the bottom or, when the tank is loaded from the side, a discharge opening entirely submerged when the pipe used to withdraw liquid from the tank can no longer withdraw liquid in normal operation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E18TKCS3	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00209
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: N/A	
Deviation Limit: It is a deviation if the structural integrity of the pipe is in question and not repaired before refilling.	
<p>Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed to ensure that it continues to meet the specifications in the above requirement. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E20V21A	
Control Device ID No.: CCE20V21A	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00169
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: VOC concentration and control efficiency	
Minimum Frequency: Daily	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv and system efficiency < 95%	
<p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer at the inlet of the first canister and the outlet of the first and final canisters of the carbon adsorption system. The monitoring device shall meet the requirements of 40 CFR 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. A control efficiency for each canister shall be calculated based on the VOC monitoring data. If the maximum reading after the outlet of the first canister or the final canister is above the maximum limit and the control efficiency across that canister is less than 95%, that canister shall be replaced within 24 hours and the event recorded. If the canister is not replaced within 24 hours or the event not recorded, it shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E20V21A	
Control Device ID No.: CCE20V21A	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00214
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: VOC concentration and control efficiency	
Minimum Frequency: Daily	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv and system efficiency < 95%	
<p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer at the inlet of the first canister and the outlet of the first and final canisters of the carbon adsorption system. The monitoring device shall meet the requirements of 40 CFR 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. A control efficiency for each canister shall be calculated based on the VOC monitoring data. If the maximum reading after the outlet of the first canister or the final canister is above the maximum limit and the control efficiency across that canister is less than 95%, that canister shall be replaced within 24 hours and the event recorded. If the canister is not replaced within 24 hours or the event not recorded, it shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E20V22	
Control Device ID No.: CCE20V22	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00169
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: VOC concentration and control efficiency	
Minimum Frequency: Daily	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv and system efficiency < 95%	
<p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer at the inlet of the first canister and the outlet of the first and final canisters of the carbon adsorption system. The monitoring device shall meet the requirements of 40 CFR 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. A control efficiency for each canister shall be calculated based on the VOC monitoring data. If the maximum reading after the outlet of the first canister or the final canister is above the maximum limit and the control efficiency across that canister is less than 95%, that canister shall be replaced within 24 hours and the event recorded. If the canister is not replaced within 24 hours or the event not recorded, it shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E20V22	
Control Device ID No.: CCE20V22	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00214
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: VOC concentration and control efficiency	
Minimum Frequency: Daily	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv and system efficiency < 95%	
<p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer at the inlet of the first canister and the outlet of the first and final canisters of the carbon adsorption system. The monitoring device shall meet the requirements of 40 CFR 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. A control efficiency for each canister shall be calculated based on the VOC monitoring data. If the maximum reading after the outlet of the first canister or the final canister is above the maximum limit and the control efficiency across that canister is less than 95%, that canister shall be replaced within 24 hours and the event recorded. If the canister is not replaced within 24 hours or the event not recorded, it shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E20V4	
Control Device ID No.: CCE20V4	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00169
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: VOC concentration and control efficiency	
Minimum Frequency: Daily	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv and system efficiency < 95%	
<p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer at the inlet of the first canister and the outlet of the first and final canisters of the carbon adsorption system. The monitoring device shall meet the requirements of 40 CFR 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. A control efficiency for each canister shall be calculated based on the VOC monitoring data. If the maximum reading after the outlet of the first canister or the final canister is above the maximum limit and the control efficiency across that canister is less than 95%, that canister shall be replaced within 24 hours and the event recorded. If the canister is not replaced within 24 hours or the event not recorded, it shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: E20V4	
Control Device ID No.: CCE20V4	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00214
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: VOC concentration and control efficiency	
Minimum Frequency: Daily	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv and system efficiency < 95%	
<p>Periodic Monitoring Text: Measure and record the VOC concentration using a portable analyzer at the inlet of the first canister and the outlet of the first and final canisters of the carbon adsorption system. The monitoring device shall meet the requirements of 40 CFR 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. A control efficiency for each canister shall be calculated based on the VOC monitoring data. If the maximum reading after the outlet of the first canister or the final canister is above the maximum limit and the control efficiency across that canister is less than 95%, that canister shall be replaced within 24 hours and the event recorded. If the canister is not replaced within 24 hours or the event not recorded, it shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: FRACTANK2	
Control Device ID No.: CCFRACTANK	Control Device Type: Carbon adsorption system (non-regenerative)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00214
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: VOC concentration and control efficiency	
Minimum Frequency: Daily	
Averaging Period: N/A	
Deviation Limit: Max limit is VOC concentration > 100 ppmv and system efficiency < 95%	
<p>Periodic Monitoring Text: 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. A control efficiency for each canister shall be calculated based on the VOC monitoring data. If the maximum reading after the outlet of the first canister or the final canister is above the maximum limit and the control efficiency across that canisters is less than 95%, that canister shall be replaced within 24 hours and the event recorded. If the canister is not replaced within 24 hours or the event not recorded, it shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP100-72+	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: 111-VENT00004
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually	
Averaging Period: N/A	
Deviation Limit: Alternate fuel fired either alone or in combination with the specified fuel shall be reported as a deviation.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, it shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP100-72-	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: 111-VENT00003
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually	
Averaging Period: N/A	
Deviation Limit: Alternate fuel fired either alone or in combination with the specified gas shall be reported as a deviation.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, it shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPEPV10	
Control Device ID No.: E01FL101	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: 115-VENT051
Pollutant: VOC	Main Standard: § 115.122(b)
Monitoring Information	
Indicator: Pilot Flame	
Minimum Frequency: Once per hour	
Averaging Period: N/A	
Deviation Limit: The lack of a pilot flame shall be considered and reported as a deviation	
<p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPETK23	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00329
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
<p>Deviation Limit: If the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.</p>	
<p>Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPETK23	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00334
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: If 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 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

Unit/Group/Process Information	
ID No.: GRPETK60	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00329
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: If 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 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

Unit/Group/Process Information	
ID No.: GRPETK60	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00334
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: If 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 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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00183
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-00253
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00038
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00038
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00038
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00041
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation	
<p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00041
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emission detected from the closed vent system of 500 ppm or more shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00041
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00101
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00101
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00101
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00104
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00104
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00104
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00372
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00372
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00372
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection shall be reported as a deviation	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00374
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00374
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00374
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00375
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00375
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00375
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00387
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation	
<p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00387
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emission detected from the closed vent system of 500 ppm or more shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00387
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00389
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation	
<p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00389
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emission detected from the closed vent system of 500 ppm or more shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00389
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00390
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation	
<p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00390
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emission detected from the closed vent system of 500 ppm or more shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00390
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00434
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00434
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00434
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00437
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00437
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00437
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00476
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00476
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00476
Pollutant: VOC	Main Standard: [G]§ 60.112b(a)(3)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: E14H1	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00479
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Combustion Temperature / Exhaust Gas Temperature	
Minimum Frequency: Once per week	
Averaging Period: N/A	
Deviation Limit: Monitoring data below 1400 degrees F, based on a daily average, shall be considered a deviation.	
Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00479
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: VOC Concentration	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any VOC fugitive emissions detected from the closed vent system of 500 ppm or more above background concentration shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: GRPETK61	
Control Device ID No.: CVS	Control Device Type: Vapor collection system (closed vent system)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Kb	SOP Index No.: 60Kb-00479
Pollutant: VOC	Main Standard: § 60.112b(b)(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Once per year	
Averaging Period: N/A	
Deviation Limit: Any defects detected in the closed vent system during a visual inspection shall be reported as a deviation.	
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

Unit/Group/Process Information	
ID No.: PRO29SRU	
Control Device ID No.: E29F511	Control Device Type: Thermal incinerator (direct flame incinerator/regenerative thermal oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: 112-SRU00002
Pollutant: SO ₂	Main Standard: § 112.7(a)
Monitoring Information	
Indicator: SO ₂ Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: Hourly	
Deviation Limit: Max SO ₂ concentration > 27,200 ppmv	
<p>Periodic Monitoring Text: Measure and record the concentration of SO₂ in the exhaust stream of the control device with a continuous emission monitoring system (CEMS). In addition, measure and record the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with 40 CFR § 60.13 and the Performance Specifications of 40 CFR Part 60, Appendix B. The maximum sulfur dioxide concentration (specified in units of the underlying applicable requirement) is the corresponding sulfur dioxide limit associated with the emission limitation in the underlying applicable requirement. Any monitoring data above the maximum limit shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: PRO46SRU	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: 112-SRU00002
Pollutant: SO ₂	Main Standard: § 112.7(a)
Monitoring Information	
Indicator: SO ₂ Concentration	
Minimum Frequency: Four times per hour	
Averaging Period: Hourly	
Deviation Limit: Max SO ₂ concentration > 27,200 ppmv	
<p>Periodic Monitoring Text: Measure and record the concentration of SO₂ in the exhaust stream of the control device with a continuous emission monitoring system (CEMS). In addition, measure and record the oxygen or carbon dioxide content of the flue gas with a CEMS. The CEMS shall be operated in accordance with 40 CFR § 60.13 and the Performance Specifications of 40 CFR Part 60, Appendix B. The maximum sulfur dioxide concentration (specified in units of the underlying applicable requirement) is the corresponding sulfur dioxide limit associated with the emission limitation in the underlying applicable requirement. Any monitoring data above the maximum limit shall be considered and reported as a deviation.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: PVE310R102	
Control Device ID No.: PVE310R102	Control Device Type: Wet scrubber
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: 111-VENT00035
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Throat velocity ratio (TVR)	
Minimum Frequency: continuous	
Averaging Period: six minutes	
Deviation Limit: Throat velocity ratio (TVR) less than 1 or greater than or equal to 2	
<p>Periodic Monitoring Text: As approved by EPA on January 7, 1987, continuously monitor and record the actual throat velocity of the FCCU II wet gas scrubber. The wet gas scrubber shall be operated such that a throat velocity ratio (TVR), as calculated by the equation below, of greater than or equal to 1.0 but less than 2.0 is maintained.</p>	
<p>TVR = Actual Throat Velocity, fps/ Minimum Design Throat Velocity, fps</p>	

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
BTX PLAT C	N/A	40 CFR Part 63, Subpart Q	This cooling tower has not used chromium-based water treatment chemicals on or after September 8, 1994.
CR 2 COOL	N/A	40 CFR Part 63, Subpart Q	This cooling tower has not used chromium-based water treatment chemicals on or after September 8, 1994.
DEGREASER1	N/A	30 TAC Chapter 115, Degreasing Processes	The remote reservoir cold cleaner has a TVP less than or equal to 0.6 psia at 100°F with a drain area less than 16 sq. in. and waste solvent is disposed of in enclosed containers.
DEGREASER2	N/A	30 TAC Chapter 115, Degreasing Processes	The remote reservoir cold cleaner has a TVP less than or equal to 0.6 psia at 100°F with a drain area less than 16 sq. in. and waste solvent is disposed of in enclosed containers.
DEGREASER3	N/A	30 TAC Chapter 115, Degreasing Processes	The remote reservoir cold cleaner has a TVP less than or equal to 0.6 psia at 100°F with a drain area less than 16 sq. in. and waste solvent is disposed of in enclosed containers.
DEGREASER4	N/A	30 TAC Chapter 115, Degreasing Processes	The remote reservoir cold cleaner has a TVP less than or equal to 0.6 psia at 100°F with a drain area less than 16 sq. in. and waste solvent is disposed of in enclosed containers.
E01S101	N/A	30 TAC Chapter 115, Industrial Wastewater	Equipment is not located in the Beaumont/Port Arthur, Dallas/Fort Worth, El Paso or Houston/Galveston nonattainment areas. Therefore, equipment is not subject to 30 TAC 115, Subchapter B, Division 4: Industrial Wastewater.

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E01S101	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced prior to June 11, 1973.
E01S101	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications all commenced prior to May 18, 1978.
E01S101	N/A	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced prior to July 23, 1984.
E01S101	N/A	40 CFR Part 60, Subpart QQQ	Construction and any modifications or reconstructions all commenced prior to May 4, 1987.
E01S101	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a process unit that meets the criteria for a chemical manufacturing process unit specified in 63.100(b)(1)-(3).
E0320D128	N/A	30 TAC Chapter 115, Storage of VOCs	Tank stores material with a true vapor pressure less than 1.5 psia and is not an EFR tank.
E0320D128	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E0320D128	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E0320D128	N/A	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812 gallons.
E0320D128	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a)

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E0320D128	N/A	40 CFR Part 63, Subpart G	Vessel is not associated with a CMPU subject to 40 CFR 63, Subparts F and G.
E0320D128	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Part 60, 61, or 63 references the use of 40 CFR 63, Subpart OO for control of emissions from tanks.
E03S101	N/A	30 TAC Chapter 115, Industrial Wastewater	Equipment is not located in the Beaumont/Port Arthur, Dallas/Fort Worth, El Paso or Houston/Galveston nonattainment areas. Therefore, equipment is not subject to 30 TAC 115, Subchapter B, Division 4: Industrial Wastewater.
E03S101	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced prior to June 11, 1973
E03S101	N/A	40 CFR Part 60, Subpart Ka	Vessel does not store petroleum liquids.
E03S101	N/A	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced prior to July 23, 1984.
E03S101	N/A	40 CFR Part 60, Subpart QQQ	Construction and any modifications or reconstructions all commenced prior to May 4, 1987.
E03S101	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a process unit that meets the criteria for a chemical manufacturing process unit specified in 63.100(b)(1)-(3).

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E07S101	N/A	30 TAC Chapter 115, Industrial Wastewater	Equipment is not located in the Beaumont/Port Arthur, Dallas/Fort Worth, El Paso or Houston/Galveston nonattainment areas. Therefore, equipment is not subject to 30 TAC 115, Subchapter B, Division 4: Industrial Wastewater.
E07S101	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E07S101	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E07S101	N/A	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812 gallons.
E07S101	N/A	40 CFR Part 60, Subpart QQQ	The source is subject to 40 CFR 63, Subpart CC and is required to comply only with the provisions specified in that subpart.
E07S101	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a process unit that meets the criteria for a chemical manufacturing process unit specified in 63.100(b)(1)-(3).
E10B10	N/A	30 TAC Chapter 112, Sulfur Compounds	Liquid and solid fuel are not fired.
E10B10	N/A	40 CFR Part 60, Subpart Dc	Maximum design heat input capacity is greater than 100 MMBtu/hr
E11TK323	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced prior to June 11, 1973.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E11TK323	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced prior to May 18, 1978.
E11TK323	N/A	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced prior to July 23, 1984.
E11TK323	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a)
E11TK323	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E11TK325	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E11TK325	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E11TK325	N/A	40 CFR Part 60, Subpart QQQ	Tank is not one of the affected facilities listed in 60.690(a)
E11TK325	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a)
E11TK325	N/A	40 CFR Part 63, Subpart G	The tank is not associated with process unit that meets the criteria for a chemical manufacturing process unit specified in 63.100(b)(1)-(3)
E11TK325	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E11TK329	N/A	30 TAC Chapter 115, Storage of VOCs	Tank stores material with a true vapor pressure less than 1.5 psia and is not an EFR tank.
E11TK329	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E11TK329	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E11TK329	N/A	40 CFR Part 60, Subpart Kb	Maximum true vapor pressure of liquid stored is less than 0.5 psia.
E11TK329	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR §61.270(a).
E11TK329	N/A	40 CFR Part 63, Subpart G	Vessel is not associated with a CMPU subject to 40 CFR Subpart F.
E11TK329	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E11TK330	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E11TK330	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E11TK330	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR §61.270(a).

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E11TK330	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E11TKR40	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E11TKR40	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E11TKR40	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a)
E11TKR40	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E11TKS7	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced prior to June 11, 1973.
E11TKS7	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced prior to May 18, 1978.
E11TKS7	N/A	40 CFR Part 60, Subpart Kb	Construction and any modifications all commenced prior to July 23, 1984.
E11TKS7	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a)

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E11TKS7	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E12FL101	N/A	40 CFR Part 63, Subpart A	Device is not used to control affected sources covered by relevant standards under 40 CFR 63 referring directly or indirectly to 40 CFR 63.11.
E12TK116	N/A	30 TAC Chapter 115, Storage of VOCs	Tank stores material with a true vapor pressure less than 1.5 psia and is not an EFR tank.
E12TK116	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E12TK116	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E12TK116	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).
E12TK116	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E12TK117	N/A	40 CFR Part 60, Subpart K	A MACT CC Group 2 vessel not subject to the control requirements of NSPS K or MACT CC Group 1 storage vessels are required to comply with MACT CC rather NSPS K.
E12TK117	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced prior to May 18, 1978.

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E12TK117	N/A	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced prior to July 23, 1984.
E12TK117	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).
E12TK117	N/A	40 CFR Part 63, Subpart G	Vessel is not associated with a CMPU subject to 40 CFR 63 Subpart F.
E12TK117	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61 or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E12TK145	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E12TK145	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E12TK145	N/A	40 CFR Part 60, Subpart Kb	A Group 1 or Group storage vessel under 40 CFR 63 Subpart G that is also subject to the provisions of a 40 CFR part 60, Subpart Kb is required to comply only with the provisions of 40 CFR 63 Subpart G.
E12TK145	N/A	40 CFR Part 61, Subpart Y	The storage vessel is also subject to 40 CFR Part 63, Subpart G and is required to comply only with that subpart.
E12TK145	N/A	40 CFR Part 63, Subpart CC	Storage vessel is subject to 40 CFR 63 Subparts F, G, H, and I.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E12TK145	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E12TK146	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E12TK146	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E12TK146	N/A	40 CFR Part 61, Subpart Y	The storage vessel is subject to 40 CFR Part 63, Subpart G via 40 CFR 63.110(b)(2) and is required to comply only with 40 CFR Part 63, Subpart G.
E12TK146	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E12V103	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E12V103	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E12V103	N/A	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812
E12V103	N/A	40 CFR Part 60, Subpart QQQ	Tank is not one of the affected facilities listed in 60.690(a)

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E12V103	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a process unit that meets the criteria for a chemical manufacturing process unit specified in 63.100(b)(1)-(3).
E14S506	N/A	30 TAC Chapter 115, Industrial Wastewater	Equipment is not located in the Beaumont/Port Arthur, Dallas/Fort Worth, El Paso or Houston/Galveston nonattainment areas. Therefore, equipment is not subject to 30 TAC 115, Subchapter B, Division 4: Industrial Wastewater
E14S506	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E14S506	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E14S506	N/A	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812 gallons.
E14S506	N/A	40 CFR Part 60, Subpart QQQ	Tank is not one of the affected facilities listed in 60.690(a)
E14S506	N/A	40 CFR Part 61, Subpart FF	Tank does not store a waste which contains benzene.
E14S507	N/A	30 TAC Chapter 115, Industrial Wastewater	Equipment is not located in the Beaumont/Port Arthur, Dallas/Fort Worth, El Paso or Houston/Galveston nonattainment areas. Therefore, equipment is not subject to 30 TAC 115, Subchapter B, Division 4: Industrial Wastewater

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E14S507	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E14S507	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E14S507	N/A	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812 gallons.
E14S507	N/A	40 CFR Part 60, Subpart QQQ	Tank is not one of the affected facilities listed in 60.690(a).
E14S507	N/A	40 CFR Part 61, Subpart FF	Tank is downstream of the enhanced biodegradation unit and is exempt under 40 CFR 61.355(k)(4).
E14S510	N/A	30 TAC Chapter 115, Industrial Wastewater	Equipment is not located in the Beaumont/Port Arthur, Dallas/Fort Worth, El Paso or Houston/Galveston nonattainment areas. Therefore, equipment is not subject to 30 TAC 115, Subchapter B, Division 4: Industrial Wastewater.
E14S510	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E14S510	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E14S510	N/A	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812 gallons.
E14S510	N/A	40 CFR Part 60, Subpart QQQ	Tank is not one of the affected facilities listed in 60.690(a).

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E14S511	N/A	30 TAC Chapter 115, Industrial Wastewater	Equipment is not located in the Beaumont/Port Arthur, Dallas/Fort Worth, El Paso or Houston/Galveston nonattainment areas. Therefore, equipment is not subject to 30 TAC 115, Subchapter B, Division 4: Industrial Wastewater.
E14S511	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E14S511	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E14S511	N/A	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812 gallons.
E14S511	N/A	40 CFR Part 60, Subpart QQQ	The source is subject to 40 CFR 63, Subpart CC and is required to comply only with the provisions specified in that subpart.
E14T202	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced prior to June 11, 1973.
E14T202	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced prior to May 18, 1978.
E14T202	N/A	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced prior to July 23, 1984.
E14T202	N/A	40 CFR Part 60, Subpart QQQ	The source is subject to 40 CFR 63, Subpart CC and is required to comply only with the provisions specified in that subpart.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E14T202	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a)
E14T202	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E14T203R	N/A	30 TAC Chapter 115, Storage of VOCs	Tank stores material with a true vapor pressure less than 1.5 psia and is not an EFR tank.
E14T203R	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E14T203R	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E14T203R	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is between 19,812 and 39,900 gallons and maximum true vapor pressure of liquid stored is less than 2.2 psia.
E14T203R	N/A	40 CFR Part 60, Subpart QQQ	The source is subject to 40 CFR 63, Subpart CC and is required to comply only with the provisions specified in that subpart.
E14T203R	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40CFR §61.270(a).
E14T203R	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E14T501A/B	N/A	40 CFR Part 60, Subpart QQQ	The source is subject to 40 CFR 63, Subpart CC and is required to comply only with the provisions specified in that subpart.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E14T501A/B	N/A	40 CFR Part 63, Subpart VV	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart VV for control of emissions from the oil-water or organic-water separator.
E14T521	N/A	30 TAC Chapter 115, Storage of VOCs	Tank stores material with a true vapor pressure less than 1.5 psia and is not an EFR tank.
E14T521	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E14T521	N/A	40 CFR Part 60, Subpart Ka	Vessel does not store petroleum liquids.
E14T521	N/A	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced prior to July 23, 1984.
E14T521	N/A	40 CFR Part 60, Subpart QQQ	Construction and any modifications or reconstructions all commenced prior to May 4, 1987.
E14T521	N/A	40 CFR Part 61, Subpart FF	Tank does not store a waste which contains benzene.
E14T521	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).
E14T521	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a process unit that meets the criteria for a chemical manufacturing process unit specified in 63.100(b)(1)-(3)
E14T521	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E14TK524	N/A	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOCs.
E14TK524	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E14TK524	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E14TK524	N/A	40 CFR Part 60, Subpart Kb	Vessel does not store volatile organic liquids.
E14TK524	N/A	40 CFR Part 60, Subpart QQQ	Tank is not one of the affected facilities listed in 60.690(a).
E14TK524	N/A	40 CFR Part 61, Subpart FF	Tank is downstream of the enhanced biodegradation unit and is exempt under 40 CFR 61.355(k)(4)
E14TK524	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).
E14TK524	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E14TK526	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E14TK526	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E14TK526	N/A	40 CFR Part 60, Subpart QQQ	The source is subject to 40 CFR 63, Subpart CC and is required to comply only with the provisions specified in that subpart.
E14TK526	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a)
E14TK526	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E14TK526CC	N/A	30 TAC Chapter 115, Storage of VOCs	Tank has a capacity of less than or equal to 1,000 gallons.
E14TK526CC	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E14TK526CC	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E14TK526CC	N/A	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812 gallons.
E14TK528	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E14TK528	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E14TK528	N/A	40 CFR Part 60, Subpart QQQ	The source is subject to 40 CFR 63, Subpart CC and is required to comply only with the provisions specified in that subpart.

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E14TK528	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a)
E14TK528	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E14TK530	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E14TK530	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E14TK530	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).
E14TK530	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks
E14TK530CC	N/A	30 TAC Chapter 115, Storage of VOCs	Tank has a capacity of less than or equal to 1,000 gallons.
E14TK530CC	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E14TK530CC	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E14TK530CC	N/A	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812 gallons.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E14TK531	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E14TK531	N/A	40 CFR Part 60, Subpart Ka	Constructions and any modifications or reconstructions all commenced after July 23, 1984.
E14TK531	N/A	40 CFR Part 60, Subpart QQQ	Tanks are not one of the affected facilities listed in 60.690(a).
E14TK531	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).
E14TK531	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Part 60, 61, or 63 references the use of 40 CFR 63, Subpart OO for control of emissions from tanks.
E18TK112	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced prior to June 11, 1973.
E18TK112	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced prior to May 18, 1978.
E18TK112	N/A	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced prior to July 23, 1984.
E18TK112	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a)
E18TK112	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Part 60, 61, or 63 references the use of 40 CFR 63, Subpart OO for control of emissions from tanks.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E18TKCS3	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced prior to June 11, 1973.
E18TKCS3	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced prior to May 18, 1978.
E18TKCS3	N/A	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced prior to July 23, 1984.
E18TKCS3	N/A	40 CFR Part 60, Subpart QQQ	Construction and any modifications or reconstructions all commenced prior to May 4, 1987.
E18TKCS3	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).
E18TKCS3	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a process unit that meets the criteria for a chemical manufacturing process unit specified in 63.100(b)(1)-(3).
E18TKCS3	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E20H1	N/A	30 TAC Chapter 112, Sulfur Compounds	Liquid fuel is not fired.
E20S101	N/A	30 TAC Chapter 115, Industrial Wastewater	Equipment is not located in the Beaumont/Port Arthur, Dallas/Fort Worth, El Paso or Houston/Galveston nonattainment areas. Therefore, equipment is not subject to 30 TAC 115, Subchapter B, Division 4: Industrial Wastewater.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E20S101	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 18, 1978.
E20S101	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E20S101	N/A	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812 gallons.
E20S101	N/A	40 CFR Part 60, Subpart QQQ	Vessel does not store petroleum liquids, including wastewater, from a refinery process.
E20S101	N/A	40 CFR Part 63, Subpart CC	Storage tank is part of a process unit subject 40 CFR 63 Subparts F and G.
E20V21A	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced prior to June 11, 1973.
E20V21A	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced prior to May 18, 1978.
E20V21A	N/A	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced prior to July 23, 1984.
E20V21A	N/A	40 CFR Part 60, Subpart QQQ	Vessel does not store petroleum liquids, including wastewater, from a refinery process.
E20V21A	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E20V21A	N/A	40 CFR Part 63, Subpart CC	The tank is not associated with a unit that meets the criteria for a petroleum refining process unit specified in 63.640(a)(1)-(2).
E20V21A	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E20V22	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E20V22	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E20V22	N/A	40 CFR Part 60, Subpart Kb	The tank is a process tank which does not meet the definition of a storage vessel under 60.111b.
E20V22	N/A	40 CFR Part 60, Subpart QQQ	Vessel does not store petroleum liquids, including wastewater, from a refinery process.
E20V22	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).
E20V22	N/A	40 CFR Part 63, Subpart CC	The tank is not associated with a unit that meets the criteria for a petroleum refining process unit specified in 63.640(a)(1)-(2).
E20V22	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR Subpart OO for control of emissions from tanks.
E20V4	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced prior to June 11, 1973.

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E20V4	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced prior to May 18, 1978.
E20V4	N/A	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced prior to July 23, 1984.
E20V4	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).
E20V4	N/A	40 CFR Part 63, Subpart CC	Storage vessel is subject to 40 CFR 63 subparts F, G, H, and I.
E20V4	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E21H1	N/A	30 TAC Chapter 112, Sulfur Compounds	Liquid fuel is not fired.
E21H2	N/A	30 TAC Chapter 112, Sulfur Compounds	Liquid fuel is not fired.
E21H3	N/A	30 TAC Chapter 112, Sulfur Compounds	Liquid fuel is not fired.
E23H101A	N/A	30 TAC Chapter 112, Sulfur Compounds	Liquid fuel is not fired.
E23H301B	N/A	30 TAC Chapter 112, Sulfur Compounds	Liquid fuel is not fired.
E23S101	N/A	30 TAC Chapter 115, Industrial Wastewater	Equipment is not located in the Beaumont/Port Arthur, Dallas/Fort Worth, El Paso or Houston/Galveston nonattainment areas. Therefore, equipment is not subject to 30 TAC 115, Subchapter B, Division 4: Industrial Wastewater.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E23S101	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E23S101	N/A	40 CFR Part 60, Subpart Ka	Construction and modifications or reconstructions all commenced after July 23, 1984.
E23S101	N/A	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812 gallons.
E23S101	N/A	40 CFR Part 60, Subpart QQQ	Construction and any modifications or reconstructions all commenced prior to May 4, 1987.
E23S101	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a process unit that meets the criteria for a chemical manufacturing process unit specified in 63.100(b)(1)-(3).
E23V403	N/A	30 TAC Chapter 115, Storage of VOCs	Tank stores material with a true vapor pressure less than 1.5 psia and is not an EFR tank.
E23V403	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced prior to June 11, 1973.
E23V403	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced prior to May 18, 1978.
E23V403	N/A	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced prior to July 23, 1984.
E23V403	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E23V403	N/A	40 CFR Part 63, Subpart CC	Storage tank does not meet the definition of storage vessel as defined by 40 CFR 63 Subpart CC.
E23V403	N/A	40 CFR Part 63, Subpart G	Vessel does not meet the definition of storage vessel as defined by 40 CFR 63 Subpart F.
E23V403	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E25H303	N/A	30 TAC Chapter 112, Sulfur Compounds	Liquid fuel is not fired.
E25S101	N/A	30 TAC Chapter 115, Industrial Wastewater	Equipment is not located in the Beaumont/Port Arthur, Dallas/Fort Worth, El Paso or Houston/Galveston nonattainment areas. Therefore, equipment is not subject to 30 TAC 115, Subchapter B, Division 4: Industrial Wastewater.
E25S101	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E25S101	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E25S101	N/A	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812 gallons.
E25S101	N/A	40 CFR Part 60, Subpart QQQ	Construction and any modifications or reconstructions all commenced prior to May 4, 1987.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E25S101	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a process unit that meets the criteria for a chemical manufacturing process unit specified in 63.100(b)(1)-(3)
E26F151	N/A	30 TAC Chapter 112, Sulfur Compounds	Liquid fuel is not fired.
E27H1	N/A	30 TAC Chapter 112, Sulfur Compounds	Liquid fuel is not fired.
E27H201	N/A	30 TAC Chapter 112, Sulfur Compounds	Liquid fuel is not fired.
E28H101	N/A	30 TAC Chapter 112, Sulfur Compounds	Liquid fuel is not fired.
E28H102	N/A	30 TAC Chapter 112, Sulfur Compounds	Liquid fuel is not fired.
E28S101	N/A	30 TAC Chapter 115, Industrial Wastewater	Equipment is not located in the Beaumont/Port Arthur, Dallas/Fort Worth, El Paso or Houston/Galveston nonattainment areas. Therefore, equipment is not subject to 30 TAC 115, Subchapter B, Division 4: Industrial Wastewater.
E28S101	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E28S101	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E28S101	N/A	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812 gallons.
E28S101	N/A	40 CFR Part 60, Subpart QQQ	Construction, modification, or reconstruction commenced prior to May 4, 1987.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E28S101	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a process unit that meets the criteria for a chemical manufacturing process unit specified in 63.100(b)(1)-(3).
E29H417	N/A	30 TAC Chapter 112, Sulfur Compounds	Liquid fuel is not fired.
E29H417	N/A	40 CFR Part 60, Subpart Db	Maximum design heat input capacity is less than 100 MMBtu/hr.
E29H417	N/A	40 CFR Part 60, Subpart Dc	Maximum design heat input capacity is less than 10 MMBtu/hr.
E29S101	N/A	30 TAC Chapter 115, Industrial Wastewater	Equipment is not located in the Beaumont/Port Arthur, Dallas/Fort Worth, El Paso or Houston/Galveston nonattainment areas. Therefore, equipment is not subject to 30 TAC 115, Subchapter B, Division 4: Industrial Wastewater.
E29S101	N/A	40 CFR Part 60, Subpart K	Storage capacity less than or equal to 40,000 gallons.
E29S101	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced prior to may 18, 1978.
E29S101	N/A	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced prior to July 23, 1984.
E29S101	N/A	40 CFR Part 60, Subpart QQQ	Construction and any modifications or reconstructions all commenced prior to May 4, 1987.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E29S101	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a process unit that meets the criteria for a chemical manufacturing process unit specified in 63.100(b)(1)-(3)
E29T111	N/A	30 TAC Chapter 115, Storage of VOCs	Tank stores material with a true vapor pressure less than 1.5 psia and is not an EFR tank.
E29T111	N/A	40 CFR Part 60, Subpart K	Vessel does not store petroleum liquids.
E29T111	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced prior to May 18, 1978.
E29T111	N/A	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced prior to July 23, 1984.
E29T111	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a)
E29T111	N/A	40 CFR Part 63, Subpart G	Vessel is not associated with a CMPU subject to 40 CFR 63 Subpart F.
E29T111	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E29T411	N/A	30 TAC Chapter 115, Storage of VOCs	Tank stores material with a true vapor pressure less than 1.5 psia and is not an EFR tank.
E29T411	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E29T411	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
E29T411	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is less than 19,812 gallons.
E29T411	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).
E29T411	N/A	40 CFR Part 63, Subpart G	Vessel is not associated with a CMPU subject to 40 CFR 63 Subpart F.
E29T411	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61 or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E310F101	N/A	30 TAC Chapter 112, Sulfur Compounds	Liquid fuel is not fired.
E320S101	N/A	30 TAC Chapter 115, Storage of VOCs	Tank stores material with a true vapor pressure less than 1.5 psia and is not an EFR tank.
E320S101	N/A	40 CFR Part 60, Subpart K	Storage capacity less than or equal to 40,000 gallons.
E320S101	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced prior to May 18, 1978.
E320S101	N/A	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced prior to July 23, 1984.
E320S101	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
E320S101	N/A	40 CFR Part 63, Subpart CC	Storage tank does not meet the definition of storage vessel as defined by 40 CFR 63 Subpart CC.
E320S101	N/A	40 CFR Part 63, Subpart G	Vessel does not meet the definition of storage vessel as defined by 40 CFR 63 Subpart F.
E320S101	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
E340D107	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
E340D107	N/A	40 CFR Part 60, Subpart Ka	Storage capacity less than or equal to 40,000 gallons.
E340D107	N/A	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced prior to July 23, 1984.
E340D107	N/A	40 CFR Part 60, Subpart QQQ	The source is subject to 40 CFR 63, Subpart CC and is required to comply only with the provisions specified in that subpart.
E340D107	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a process unit that meets the criteria for a chemical manufacturing process unit specified in 63.100(b)(1)-(3).
E36H201	N/A	30 TAC Chapter 112, Sulfur Compounds	Liquid fuel is not fired.
FCC 2 COOL	N/A	40 CFR Part 63, Subpart Q	This cooling tower has not used chromium-based water treatment chemicals on or after September 8, 1994.

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
FRACTANK1	N/A	30 TAC Chapter 115, Storage of VOCs	Tank stores material with a true vapor pressure less than 1.5 psia and is not an EFR tank.
FRACTANK1	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
FRACTANK1	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
FRACTANK1	N/A	40 CFR Part 60, Subpart Kb	EPA determination in 09/02/04 letter to FHR that FRAC tanks are not subject to NSPS Subpart Kb
FRACTANK1	N/A	40 CFR Part 60, Subpart QQQ	Tank is not one of the affected facilities listed in 60.690(a).
FRACTANK1	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).
FRACTANK1	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
FRACTANK2	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
FRACTANK2	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
FRACTANK2	N/A	40 CFR Part 60, Subpart Kb	EPA determination in 09/02/04 letter to FHR that FRAC tanks are not subject to NSPS Subpart Kb

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
FRACTANK2	N/A	40 CFR Part 60, Subpart QQQ	Tank is not one of the affected facilities listed in 60.690(a).
FRACTANK2	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).
FRACTANK2	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks
FU-60GGG-1	N/A	40 CFR Part 60, Subpart GGG	Equipment is not associated with a petroleum refining process unit.
FU-60GGG-2	N/A	40 CFR Part 60, Subpart GGG	Construction and any modifications or reconstructions all commenced prior to January 4, 1983.
FU-60GGG-3	N/A	40 CFR Part 60, Subpart GGG	Equipment is subject to 40 CFR 60 Subparts VV or KKK and therefore is excluded from Subpart GGG.
FU-60VV-1	N/A	40 CFR Part 60, Subpart VV	Equipment is located in a process unit that does not produce as an intermediate or final product any chemical listed in 40 CFR 60.489.
FU-60VV-2	N/A	40 CFR Part 60, Subpart VV	Construction and any modifications or reconstructions all commenced prior to January 5, 1981.
FU-63CC+	N/A	40 CFR Part 61, Subpart J	The source is subject to 40 CFR 63, Subpart CC and is required to comply only with the provisions specified in that subpart.
FU-63CC+	N/A	40 CFR Part 61, Subpart V	The source is subject to 40 CFR 63, Subpart CC and is required to comply only with the provisions specified in that subpart.

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
FU-63CC-1	N/A	40 CFR Part 63, Subpart CC	Unit is subject to 40 CFR 63 Subparts F, G, H, and/or I.
FU-63CC-2	N/A	40 CFR Part 63, Subpart CC	Equipment is not associated with a petroleum refining process unit, bulk gasoline terminal, or pipeline breakout station classified under SIC code 2911 located within a continuous area and under common control with a refinery.
FU-63CC-3	N/A	40 CFR Part 63, Subpart CC	Fugitive emissions are routed to a fuel gas system.
FU-63H+	N/A	40 CFR Part 61, Subpart J	The source is subject to 40 CFR 63, Subpart H and is required to comply only with the provisions specified in that subpart.
FU-63H+	N/A	40 CFR Part 61, Subpart V	The source is subject to 40 CFR 63, Subpart H and is required to comply only with the provisions specified in that subpart.
FU-63H-	N/A	40 CFR Part 63, Subpart H	Equipment is not associated with a CMPU subject to 40 CFR 63 Subpart F.
GRPEDU1	DUE38T101, DUE38T103	40 CFR Part 60, Subpart NNN	Distillation unit does not contain a gaseous vent stream as defined in 40 CFR 60.661.

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPEDU2	DUE23T101, DUE23T102, DUE23T103, DUE23T104, DUE23T202, DUE25T301, DUE26T301, DUE27V201, DUE27V202, DUE28V101, DUE29V111, DUE29V211, DUE29V413, DUE310T101, DUE310T102, DUE320T103, DUE320T108, DUE320T109, DUE330T102, DUE36T101, DUE36T201, DUE36T301, DUE36V102, DUE46T100, DUE46T302	40 CFR Part 60, Subpart NNN	Distillation unit is located in a process unit that does not produce as an intermediate or final product any chemical listed in 40 CFR 60.667.
GRPEDU3	DUE20V12A, DUE20V12B, DUE20V13, DUE20V15, DUE20V17A, DUE20V17B, DUE20V19, DUE20V3, DUE20V7, DUE20V9, DUE21V12, DUE21V14, DUE21V16, DUE21V27, DUE21V7, DUE21V8, DUE23T301	40 CFR Part 60, Subpart NNN	Construction and any modifications or reconstructions all commenced prior to December 30, 1983.
GRPEENG1	E01G1, E0340P113	40 CFR Part 60, Subpart IIII	Commenced construction prior to July 11, 2005 and has not been modified or reconstructed after July 11, 2005.
GRPEENG1	E01G1, E0340P113	40 CFR Part 60, Subpart JJJJ	Engine is not a stationary spark ignition internal combustion engine.
GRPEENG2	E13G1	40 CFR Part 60, Subpart IIII	Engine is not a stationary compression ignition (CI) internal combustion engine.
GRPEENG3	10GA1058, E13PE45, E13PE46, E13PE47	40 CFR Part 60, Subpart IIII	Commenced construction prior to July 11, 2005 and has not been modified or reconstructed after July 11, 2005.

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPEENG3	10GA1058, E13PE45, E13PE46, E13PE47	40 CFR Part 60, Subpart JJJJ	Engine is not a stationary spark ignition internal combustion engine.
GRPEENG4	E23G1	40 CFR Part 60, Subpart IIII	Commenced construction prior to July 11, 2005 and has not been modified or reconstructed after July 11, 2005.
GRPEENG4	E23G1	40 CFR Part 60, Subpart JJJJ	Engine is not a stationary spark ignition internal combustion engine.
GRPEENG4	E23G1	40 CFR Part 63, Subpart ZZZZ	Existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions.
GRPEENG5	WWTPENG1, WWTPENG2	40 CFR Part 60, Subpart IIII	Commenced construction prior to July 11, 2005 and has not been modified or reconstructed after July 11, 2005.
GRPEENG5	WWTPENG1, WWTPENG2	40 CFR Part 60, Subpart JJJJ	Engine is not a stationary spark ignition internal combustion engine.
GRPEPU1	PU3TM1&2DK, PU3TM3DK, PUBOILERS, PUFLARE, PUTK2TM, PUUTIL, PUWWTP	40 CFR Part 63, Subpart F	Unit does not manufacture as a primary product one or more of the chemicals listed in CFR 63.100(b)(1)(i) or 63.100(b)(1)(ii).
GRPEPU2	PUAMINE, PUBTXPLAT, PUBUTSAT, PUCRUDEII, PUDHTD, PUDHTI, PUDHTK, PUFCCUII, PUFUELGAS, PUGNREF, PUHYDROBON, PUISOM, PUSRU, PUSRU2	40 CFR Part 63, Subpart F	Petroleum refinery process units are not subject to 40 CFR 63 Subparts F, G, and H.

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPEPV01	PVE10V40, PVE21V13, PVE21V15, PVE21V17, PVE21V19, PVE21V32, PVE21V9, PVE23V109, PVE23V305, PVE25D305, PVE25D308, PVE25D312, PVE26D151, PVE26D153, PVE27V11, PVE27V12, PVE27V203, PVE27V208, PVE27V209, PVE27V210, PVE27V4, PVE27V46, PVE27V9, PVE28GV15, PVE29V116, PVE29V119, PVE320D105, PVE320D109, PVE320D110, PVE330D105, PVE36V104, PVE36V107, PVE37V204	30 TAC Chapter 115, Vent Gas Controls	Vent stream does not meet the definition of a vent as defined in 30 TAC 101.1 or does not emit VOC.
GRPEPV01	PVE10V40, PVE21V13, PVE21V15, PVE21V17, PVE21V19, PVE21V32, PVE21V9, PVE23V109, PVE23V305, PVE25D305, PVE25D308, PVE25D312, PVE26D151, PVE26D153, PVE27V11, PVE27V12, PVE27V203, PVE27V208, PVE27V209, PVE27V210, PVE27V4, PVE27V46, PVE27V9, PVE28GV15, PVE29V116, PVE29V119, PVE320D105, PVE320D109, PVE320D110, PVE330D105, PVE36V104, PVE36V107, PVE37V204	40 CFR Part 63, Subpart CC	Vent does not meet the definition of a miscellaneous process vent as defined by 40 CFR 63 Subpart CC.

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPEPV01	PVE10V40, PVE21V13, PVE21V15, PVE21V17, PVE21V19, PVE21V32, PVE21V9, PVE23V109, PVE23V305, PVE25D305, PVE25D308, PVE25D312, PVE26D151, PVE26D153, PVE27V11, PVE27V12, PVE27V203, PVE27V208, PVE27V209, PVE27V210, PVE27V4, PVE27V46, PVE27V9, PVE28GV15, PVE29V116, PVE29V119, PVE320D105, PVE320D109, PVE320D110, PVE330D105, PVE36V104, PVE36V107, PVE37V204	40 CFR Part 63, Subpart G	Vent is not associated with a chemical manufacturing process unit as defined by 40 CFR 63 Subpart F.
GRPEPV02	PVE29SP72, PVE46J200	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream originates from a source for which another division within Chapter 115 has established a control requirement.
GRPEPV02	PVE29SP72, PVE46J200	40 CFR Part 63, Subpart CC	Vent does not meet the definition of a miscellaneous process vent as defined by 40 CFR 63 Subpart CC.
GRPEPV02	PVE29SP72, PVE46J200	40 CFR Part 63, Subpart G	Vent is not associated with a chemical manufacturing process unit as defined by 40 CFR 63 Subpart F.
GRPEPV04	PVE46T301	40 CFR Part 63, Subpart CC	Vent does not meet the definition of a miscellaneous process vent as defined by 40 CFR 63 Subpart CC.
GRPEPV04	PVE46T301	40 CFR Part 63, Subpart G	Vent is not associated with a chemical manufacturing process unit as defined by 40 CFR 63 Subpart F.

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPEPV06	PVE29V212, PVE29V412, PVE310D110	40 CFR Part 63, Subpart CC	Vent does not meet the definition of a miscellaneous process vent as defined by 40 CFR Subpart CC.
GRPEPV06	PVE29V212, PVE29V412, PVE310D110	40 CFR Part 63, Subpart G	Vent is not associated with a chemical manufacturing process unit as defined by 40 CFR Subpart F.
GRPEPV10	PVE20V14, PVE20V16, PVE20V18, PVE20V5	40 CFR Part 63, Subpart CC	Vent is not part of a petroleum refining process unit and is not a specified related emission point.
GRPERX1	RXE25R302, RXE26R151, RXE27V2, RXE28R101, RXE29F311, RXE29R311, RXE29R312, RXE29R313, RXE29R411, RXE310R101, RXE310R102, RXE36V105A, RXE36V105B, RXE46R200, RXE46R201, RXE46R300	40 CFR Part 60, Subpart III	Reactor does not meet the definition of an air oxidation reactor as defined in 40 CFR 60.611
GRPERX1	RXE25R302, RXE26R151, RXE27V2, RXE28R101, RXE29F311, RXE29R311, RXE29R312, RXE29R313, RXE29R411, RXE310R101, RXE310R102, RXE36V105A, RXE36V105B, RXE46R200, RXE46R201, RXE46R300	40 CFR Part 60, Subpart RRR	Reactor is located in a process unit that does not produce as an intermediate or final product any chemical listed in 40 CFR 60.707.
GRPERX2	RXE37V202, RXE38V102, RXE38V103, RXE38V104	40 CFR Part 60, Subpart III	Reactor does not meet the definition of an air oxidation reactor as defined in 40 CFR 60.611.

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPERX2	RXE37V202, RXE38V102, RXE38V103, RXE38V104	40 CFR Part 60, Subpart RRR	Not an affected facility because the reactor does not have a gaseous vent stream (as defined in 40 CFR 60.701) that discharges into a recovery system.
GRPETK03	E11TKS6, E18TK110, E18TK111	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced prior to June 11, 1973.
GRPETK03	E11TKS6, E18TK110, E18TK111	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced prior to May 18, 1978.
GRPETK03	E11TKS6, E18TK110, E18TK111	40 CFR Part 60, Subpart Kb	Construction and any modifications all commenced prior to July 23, 1984.
GRPETK03	E11TKS6, E18TK110, E18TK111	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a)
GRPETK03	E11TKS6, E18TK110, E18TK111	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
GRPETK09	E29T511R, TK-151609, TK-151611, TK-151615, TK-151616, TK-151617, TK-C15214, TK-C15791, TK-N87364	30 TAC Chapter 115, Storage of VOCs	Tank stores material with a true vapor pressure less than 1.5 psia and is not an EFR tank.
GRPETK09	E29T511R, TK-151609, TK-151611, TK-151615, TK-151616, TK-151617, TK-C15214, TK-C15791, TK-N87364	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
GRPETK09	E29T511R, TK-151609, TK-151611, TK-151615, TK-151616, TK-151617, TK-C15214, TK-C15791, TK-N87364	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPETK09	E29T511R, TK-151609, TK-151611, TK-151615, TK-151616, TK-151617, TK-C15214, TK-C15791, TK-N87364	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812 gallons.
GRPETK09	E29T511R, TK-151609, TK-151611, TK-151615, TK-151616, TK-151617, TK-C15214, TK-C15791, TK-N87364	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).
GRPETK09	E29T511R, TK-151609, TK-151611, TK-151615, TK-151616, TK-151617, TK-C15214, TK-C15791, TK-N87364	40 CFR Part 63, Subpart CC	Storage tank does not meet the definition of storage vessel as defined by 40 CFR 63 Subpart CC.
GRPETK09	E29T511R, TK-151609, TK-151611, TK-151615, TK-151616, TK-151617, TK-C15214, TK-C15791, TK-N87364	40 CFR Part 63, Subpart G	Storage tank does not meet the definition of storage vessel as defined by 40 CFR 63 Subpart F.
GRPETK09	E29T511R, TK-151609, TK-151611, TK-151615, TK-151616, TK-151617, TK-C15214, TK-C15791, TK-N87364	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
GRPETK10	E320S104, TK-151596, TK-151597, TK-151598, TK-151607, TK-C15173, TK-C15213, TK-C15820	30 TAC Chapter 115, Storage of VOCs	Tank has a capacity of less than or equal to 1,000 gallons.
GRPETK10	E320S104, TK-151596, TK-151597, TK-151598, TK-151607, TK-C15173, TK-C15213, TK-C15820	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
GRPETK10	E320S104, TK-151596, TK-151597, TK-151598, TK-151607, TK-C15173, TK-C15213, TK-C15820	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
GRPETK10	E320S104, TK-151596, TK-151597, TK-151598, TK-151607, TK-C15173, TK-C15213, TK-C15820	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812 gallons.

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPETK10	E320S104, TK-151596, TK-151597, TK-151598, TK-151607, TK-C15173, TK-C15213, TK-C15820	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).
GRPETK10	E320S104, TK-151596, TK-151597, TK-151598, TK-151607, TK-C15173, TK-C15213, TK-C15820	40 CFR Part 63, Subpart CC	Storage tank does not meet the definition of storage vessel as defined by 40 CFR 63 Subpart CC.
GRPETK10	E320S104, TK-151596, TK-151597, TK-151598, TK-151607, TK-C15173, TK-C15213, TK-C15820	40 CFR Part 63, Subpart G	Vessel does not meet the definition of storage vessel as defined by 40 CFR 63 Subpart F.
GRPETK10	E320S104, TK-151596, TK-151597, TK-151598, TK-151607, TK-C15173, TK-C15213, TK-C15820	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
GRPETK12	E11TKS43	30 TAC Chapter 115, Storage of VOCs	Tank stores material with a true vapor pressure less than 1.5 psia and is not an EFR tank.
GRPETK12	E11TKS43	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced prior to June 11, 1973.
GRPETK12	E11TKS43	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced prior to May 18, 1978.
GRPETK12	E11TKS43	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced after July 23, 1984.
GRPETK12	E11TKS43	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPETK12	E11TKS43	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
GRPETK23	E11TKS21, E11TKS23, E11TKS31, E11TKS32, E11TKS41, E11TKS42	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced prior to June 11, 1973.
GRPETK23	E11TKS21, E11TKS23, E11TKS31, E11TKS32, E11TKS41, E11TKS42	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced prior to May 18, 1978.
GRPETK23	E11TKS21, E11TKS23, E11TKS31, E11TKS32, E11TKS41, E11TKS42	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced prior to July 23, 1984.
GRPETK23	E11TKS21, E11TKS23, E11TKS31, E11TKS32, E11TKS41, E11TKS42	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a)
GRPETK23	E11TKS21, E11TKS23, E11TKS31, E11TKS32, E11TKS41, E11TKS42	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
GRPETK29	E14T528A, E14T528B, E14T528C, E14T528D	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOCs.
GRPETK29	E14T528A, E14T528B, E14T528C, E14T528D	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
GRPETK29	E14T528A, E14T528B, E14T528C, E14T528D	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
GRPETK29	E14T528A, E14T528B, E14T528C, E14T528D	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812 gallons.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPETK29	E14T528A, E14T528B, E14T528C, E14T528D	40 CFR Part 61, Subpart FF	Tank does not store a waste which contains benzene.
GRPETK29	E14T528A, E14T528B, E14T528C, E14T528D	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).
GRPETK29	E14T528A, E14T528B, E14T528C, E14T528D	40 CFR Part 63, Subpart G	The tank is not associated with a process unit that meets the criteria for a chemical manufacturing process unit specified in 63.100(b)(1)-(3).
GRPETK29	E14T528A, E14T528B, E14T528C, E14T528D	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
GRPETK32	E14F501A, E14F501B, E14F501C, E14F501D	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOCs.
GRPETK32	E14F501A, E14F501B, E14F501C, E14F501D	40 CFR Part 60, Subpart K	Storage capacity is less than or equal to 40,000 gallons.
GRPETK32	E14F501A, E14F501B, E14F501C, E14F501D	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after May 18, 1978.
GRPETK32	E14F501A, E14F501B, E14F501C, E14F501D	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced prior to July 23, 1984.
GRPETK32	E14F501A, E14F501B, E14F501C, E14F501D	40 CFR Part 60, Subpart QQQ	Tank is not one of the affected facilities listed in 60.690(a)
GRPETK32	E14F501A, E14F501B, E14F501C, E14F501D	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPETK32	E14F501A, E14F501B, E14F501C, E14F501D	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
GRPETK34	E14T503A, E14T503B, E14T504A, E14T504B, E14T505, E14T506	30 TAC Chapter 115, Storage of VOCs	Tank stores material with a true vapor pressure less than 1.5 psia and is not an EFR tank.
GRPETK34	E14T503A, E14T503B, E14T504A, E14T504B, E14T505, E14T506	40 CFR Part 60, Subpart K	Vessel does not store petroleum liquids.
GRPETK34	E14T503A, E14T503B, E14T504A, E14T504B, E14T505, E14T506	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after May 18, 1978.
GRPETK34	E14T503A, E14T503B, E14T504A, E14T504B, E14T505, E14T506	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced prior to July 23, 1984.
GRPETK34	E14T503A, E14T503B, E14T504A, E14T504B, E14T505, E14T506	40 CFR Part 60, Subpart QQQ	Tank is not one of the affected facilities listed in 60.690(a).
GRPETK34	E14T503A, E14T503B, E14T504A, E14T504B, E14T505, E14T506	40 CFR Part 61, Subpart FF	Tank is downstream of the enhanced biodegradation unit and is exempt under 40 CFR 61.355(k)(4).
GRPETK34	E14T503A, E14T503B, E14T504A, E14T504B, E14T505, E14T506	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).
GRPETK34	E14T503A, E14T503B, E14T504A, E14T504B, E14T505, E14T506	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
GRPETK43	CENTFUGE-E, E14S503	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOCs.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPETH43	CENTFUGE-E, E14S503	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
GRPETH43	CENTFUGE-E, E14S503	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
GRPETH43	CENTFUGE-E, E14S503	40 CFR Part 60, Subpart Kb	Vessel does not store volatile organic liquids.
GRPETH43	CENTFUGE-E, E14S503	40 CFR Part 60, Subpart QQQ	Tank is not one of the affected facilities listed in 60.690(a)
GRPETH43	CENTFUGE-E, E14S503	40 CFR Part 61, Subpart FF	Tank is downstream of the enhanced biodegradation unit and is exempt under 40 CFR 61.355(k)(4).
GRPETH51	E14S508, E14S509	30 TAC Chapter 115, Storage of VOCs	Tank does not store VOCs.
GRPETH51	E14S508, E14S509	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced prior to June 11, 1973.
GRPETH51	E14S508, E14S509	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced prior to May 18, 1978.
GRPETH51	E14S508, E14S509	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced prior to July 23, 1984.
GRPETH51	E14S508, E14S509	40 CFR Part 61, Subpart FF	Tank stores waste that is contained in a segregated stormwater sewer system.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPETK51	E14S508, E14S509	40 CFR Part 63, Subpart CC	Storage tank stores stormwater from a segregated stormwater system or is routed to a refinery fuel gas system.
GRPETK51	E14S508, E14S509	40 CFR Part 63, Subpart G	The tank is not associated with a process unit that meets the criteria for a chemical manufacturing process unit specified in 63.100(b)(1)-(3)
GRPETK52	E13V7, E25D311, E46V304	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
GRPETK52	E13V7, E25D311, E46V304	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
GRPETK52	E13V7, E25D311, E46V304	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812 gallons.
GRPETK52	E13V7, E25D311, E46V304	40 CFR Part 60, Subpart QQQ	The source is subject to 40 CFR 63, Subpart CC and is required to comply only with the provisions specified in that subpart.
GRPETK52	E13V7, E25D311, E46V304	40 CFR Part 63, Subpart G	The tank is not associated with a process unit that meets the criteria for a chemical manufacturing process unit specified in 63.100(b)(1)-(3).
GRPETK53	E14S505, E14S512	30 TAC Chapter 115, Industrial Wastewater	Equipment is not located in the Beaumont/Port Arthur, Dallas/Fort Worth, El Paso or Houston/Galveston nonattainment areas. Therefore, equipment is not subject to 30 TAC 115, Subchapter B, Division 4: Industrial Wastewater.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPETK53	E14S505, E14S512	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
GRPETK53	E14S505, E14S512	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
GRPETK53	E14S505, E14S512	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812 gallons.
GRPETK53	E14S505, E14S512	40 CFR Part 60, Subpart QQQ	The source is subject to 40 CFR 63, subpart CC and is required to comply only with the provisions specified in that subpart.
GRPETK56	E20V24, E23V406	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
GRPETK56	E20V24, E23V406	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
GRPETK56	E20V24, E23V406	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812 gallons.
GRPETK56	E20V24, E23V406	40 CFR Part 60, Subpart QQQ	Tank does not store oily wastewater from a refinery process as defined in 40 CFR §60.691.
GRPETK56	E20V24, E23V406	40 CFR Part 63, Subpart CC	The tank is not associated with a unit that meets the criteria for a petroleum refining process unit specified in 63.640(a)(1)-(2).
GRPETK56	E20V24, E23V406	40 CFR Part 63, Subpart G	Equipment does not meet the definition of a waste management unit because the equipment is used for recovery as part of the chemical manufacturing process unit.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPETH58	E11TK331	30 TAC Chapter 115, Storage of VOCs	Tank stores material with a true vapor pressure less than 1.5 psia and is not an EFR tank.
GRPETH58	E11TK331	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
GRPETH58	E11TK331	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
GRPETH58	E11TK331	40 CFR Part 60, Subpart Kb	Maximum true vapor pressure of liquid stored is less than 0.5 psia.
GRPETH58	E11TK331	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR §61.270(a).
GRPETH58	E11TK331	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
GRPETH59	E14T511, E14T512, E14T516	30 TAC Chapter 115, Storage of VOCs	Tank stores material with a true vapor pressure less than 1.5 psia and is not an EFR tank.
GRPETH59	E14T511, E14T512, E14T516	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 9, 1978.
GRPETH59	E14T511, E14T512, E14T516	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
GRPETH59	E14T511, E14T512, E14T516	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812 gallons.
GRPETH59	E14T511, E14T512, E14T516	40 CFR Part 60, Subpart QQQ	Tank is not one of the affected facilities listed in 60.690(a).

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPETK59	E14T511, E14T512, E14T516	40 CFR Part 61, Subpart FF	Tank is downstream of the enhanced biodegradation unit and is exempt under 40 CFR 61.355(k)(4).
GRPETK60	E11TKS30, E11TKS8	40 CFR Part 60, Subpart K	Construction any modifications or reconstructions all commenced prior to June 11, 1973.
GRPETK60	E11TKS30, E11TKS8	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced prior to May 18, 1978.
GRPETK60	E11TKS30, E11TKS8	40 CFR Part 60, Subpart Kb	Construction and any modifications or reconstructions all commenced prior to July 23, 1984.
GRPETK60	E11TKS30, E11TKS8	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a)
GRPETK60	E11TKS30, E11TKS8	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
GRPETK61	E14TK527R	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
GRPETK61	E14TK527R	40 CFR Part 60, Subpart Ka	Constructions and any modifications or reconstructions all commenced after July 23, 1984.
GRPETK61	E14TK527R	40 CFR Part 60, Subpart QQQ	Tanks are not one of the affected facilities listed in 60.690(a).
GRPETK61	E14TK527R	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRPETK61	E14TK527R	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Part 60, 61, or 63 references the use of 40 CFR 63, Subpart OO for control of emissions from tanks.
HBON COOL	N/A	40 CFR Part 63, Subpart Q	This cooling tower has not used chromium-based water treatment chemicals on or after September 8, 1994.
LPGLOAD	N/A	40 CFR Part 63, Subpart CC	Loading rack is not a gasoline loading rack as defined in 40 CFR 63.641.
LPGLOAD	N/A	40 CFR Part 63, Subpart G	Transfer rack is not associated with a CMPU subject to 40 CFR 63 Subpart F.
MARINETERM	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Loading and unloading facility is a marine terminal in Nueces County and therefore exempt.
PVE20V10	N/A	30 TAC Chapter 115, Vent Gas Controls	Vent gas stream originates from a source for which another division within Chapter 115 has established a control requirement.
PVE20V10	N/A	40 CFR Part 63, Subpart CC	Vent is not part of petroleum refining process unit and is not a specified related emission point.
PVE310R102	N/A	40 CFR Part 63, Subpart CC	Vent does not meet the definition of a miscellaneous process vent as defined by 40 CFR 63 Subpart CC.
PVE310R102	N/A	40 CFR Part 63, Subpart G	Vent is not associated with a chemical manufacturing process unit as defined by 40 CFR 63 Subpart F.
SULFOLANEC	N/A	40 CFR Part 63, Subpart Q	This cooling tower has not used chromium-based water treatment chemicals on or after September 8, 1994.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
TKVEHCLGAS	N/A	30 TAC Chapter 115, Storage of VOCs	Tank has a capacity of less than 25,000 gallons and is located at a motor vehicle fuel dispensing facility.
TKVEHCLGAS	N/A	40 CFR Part 60, Subpart K	Construction and any modifications or reconstructions all commenced after May 19, 1978.
TKVEHCLGAS	N/A	40 CFR Part 60, Subpart Ka	Construction and any modifications or reconstructions all commenced after July 23, 1984.
TKVEHCLGAS	N/A	40 CFR Part 60, Subpart Kb	Storage capacity less than 19,812 gallons.
TKVEHCLGAS	N/A	40 CFR Part 61, Subpart Y	Does not store benzene within the specific gravities defined in 40 CFR 61.270(a).
TKVEHCLGAS	N/A	40 CFR Part 63, Subpart CC	Storage tank does not meet the definition of storage vessel as defined by 40 CFR 63 Subpart CC.
TKVEHCLGAS	N/A	40 CFR Part 63, Subpart G	Vessel does not meet the definition of storage vessel as defined by 40 CFR 63 Subpart F.
TKVEHCLGAS	N/A	40 CFR Part 63, Subpart OO	No applicable subpart of 40 CFR Parts 60, 61, or 63 references the use of 40 CFR 63 Subpart OO for control of emissions from tanks.
TPE14T503	N/A	40 CFR Part 61, Subpart FF	The unit is an enhanced biodegradation unit receiving less than 10 ppmw and is exempt under 40 CFR §61.355(k)(4).
VSBTXJ-1	N/A	30 TAC Chapter 115, Vent Gas Controls	Chapter 115 does not apply since the vacuum producing system does not have a vent as defined by 101.1(106) or the vent does not emit VOC.

Permit Shield

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

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
VSCRUDEII	N/A	30 TAC Chapter 115, Vent Gas Controls	Chapter 115 does not apply since the vacuum producing system does not have a vent as defined by 101.1(106) or the vent does not emit VOC.

New Source Review Authorization References

New Source Review Authorization References 470

New Source Review Authorization References by Emission Unit 471

New Source Review Authorization References

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

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX137M2	Issuance Date: 03/11/2024
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 6308	Issuance Date: 03/11/2024
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 15	Version No./Date: 09/23/1982
Number: 51	Version No./Date: 11/05/1986
Number: 51	Version No./Date: 07/20/1992
Number: 58	Version No./Date: 12/01/1972
Number: 58	Version No./Date: 05/05/1976
Number: 69	Version No./Date: 09/17/1973
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.264	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 07/08/1998
Number: 106.472	Version No./Date: 03/14/1997
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 03/14/1997
Number: 106.473	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

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**
09GA125	East SRU Bundle Wash Pad Engine (09GA125)	106.512/06/13/2001
09GA944	East Pad Wastewater Engine (09GA944)	106.512/06/13/2001
10GA1058	Terminal 3 Firewater Pump Engine	106.511/09/04/2000
62GA2223	East Outfall 006 Engine (62GA2223)	106.512/06/13/2001
BTX PLAT C	BTX Cooling Tower	6308, PSDTX137M2
CCT01	CAS T01	106.472/09/04/2000
CCT11	CAS T11	106.472/09/04/2000
CENTFUGE-E	Tank Centrifuge-E	6308, PSDTX137M2
CR 2 COOL	Crude II Cooling Tower	6308, PSDTX137M2
DEGREASER1	Degreaser #1	106.454/07/08/1998
DEGREASER2	Degreaser #2	106.454/07/08/1998
DEGREASER3	Degreaser #3	106.454/07/08/1998
DEGREASER4	Degreaser #4	106.454/07/08/1998
DUE20V12A	Distillation Unit-Clay Tower A	6308, PSDTX137M2
DUE20V12B	Distillation Unit-Clay Tower B	6308, PSDTX137M2
DUE20V13	Distillation Unit-Benzene Column	6308, PSDTX137M2
DUE20V15	Distillation Unit-Toluene Column	6308, PSDTX137M2
DUE20V17A	Distillation Unit-Xylene Column	6308, PSDTX137M2
DUE20V17B	Distillation Unit-Xylene Column Rectifier	6308, PSDTX137M2
DUE20V19	Distillation Unit-Rerun Column	6308, PSDTX137M2
DUE20V3	Distillation Unit-Sripper Column	6308, PSDTX137M2

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**
DUE20V7	Distillation Unit-Recovery Column	6308, PSDTX137M2
DUE20V9	Distillation Unit-Solvent Regenerator	6308, PSDTX137M2
DUE21V12	Distillation Unit-Depropanizer	6308, PSDTX137M2
DUE21V14	Distillation Unit-Deethanizer	6308, PSDTX137M2
DUE21V16	Distillation Unit-Debutanizer	6308, PSDTX137M2
DUE21V27	Distillation Unit-Deisobutanizer	6308, PSDTX137M2
DUE21V7	Distillation Unit-Products Separator	6308, PSDTX137M2
DUE21V8	Distillation Unit-Depentanizer	6308, PSDTX137M2
DUE23T101	Distillation Unit-Crude Tower	6308, PSDTX137M2
DUE23T102	Distillation Unit-Kerosene Stripper	6308, PSDTX137M2
DUE23T103	Distillation Unit-No. 2 Oil Stripper	6308, PSDTX137M2
DUE23T104	Distillation Unit-No. 2 AGO Stripper	6308, PSDTX137M2
DUE23T202	Distillation Unit-Sour Water Stripper	6308, PSDTX137M2
DUE23T301	Distillation Unit-Deisohexanizer	6308, PSDTX137M2
DUE25T301	Distillation Unit-Kerosene Stripper	6308, PSDTX137M2
DUE26T301	Distillation Unit-Gas Oil Stripper	6308, PSDTX137M2
DUE27V201	Distillation Unit-H ₂ S Stripper	6308, PSDTX137M2
DUE27V202	Distillation Unit-Fractionator	6308, PSDTX137M2
DUE28V101	Distillation Unit-Debutanizer	6308, PSDTX137M2
DUE29V111	Distillation Unit-Amine Regenerator	6308, PSDTX137M2
DUE29V211	Distillation Unit-Sour Water Stripper	6308, PSDTX137M2

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**
DUE29V413	Distillation Unit-Scot Stripper	6308, PSDTX137M2
DUE310T101	Distillation Unit-Main Fractionator	6308, PSDTX137M2
DUE310T102	Distillation Unit-LCO Stripper	6308, PSDTX137M2
DUE320T103	Distillation Unit-Debutanizer	6308, PSDTX137M2
DUE320T108	Distillation Unit-C3/C4 Splitter	6308, PSDTX137M2
DUE320T109	Distillation Unit-Deethanizer	6308, PSDTX137M2
DUE330T102	Distillation Unit-Debutanizer No. 2	6308, PSDTX137M2
DUE36T101	Distillation Unit-Stabilizer	6308, PSDTX137M2
DUE36T201	Distillation Unit-Isomerate Splitter	6308, PSDTX137M2
DUE36T301	Distillation Unit-Raffinate Splitter	6308, PSDTX137M2
DUE36V102	Distillation Unit-Sulfur Guard	6308, PSDTX137M2
DUE38T101	Distillation Unit-Butene Column	6308, PSDTX137M2
DUE38T103	Distillation Unit-Methanol Column	6308, PSDTX137M2
DUE46T100	Distillation Unit-FGTU Amine Still Column	6308, PSDTX137M2
DUE46T302	Distillation Unit -TGTU Stripping Still Column	6308, PSDTX137M2
E01FL100	Main Flare	6308, PSDTX137M2
E01FL101	West Flare	6308, PSDTX137M2
E01G1	East Sulfolane Generator	106.511/09/04/2000
E01S101	Tank E01S101	6308, PSDTX137M2
E0320D128	Spent Caustic Vessel	106.262/11/01/2003, 106.473/09/04/2000
E0340P113	East FCCU Stormwater Pump	106.511/09/04/2000

New Source Review Authorization References by Emissions Unit

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

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
E03S101	Tank E03S101	6308, PSDTX137M2
E07S101	Tank E07S101	6308, PSDTX137M2
E10B10	East Boiler No. A	6308, PSDTX137M2
E10B10ST	East Boiler No. A Stack	6308, PSDTX137M2
E11TK323	Tank E11TK323	6308, PSDTX137M2
E11TK325	Tank E11TK325	6308, PSDTX137M2
E11TK329	Tank E11TK329	6308, PSDTX137M2
E11TK330	Tank E11TK330	6308, PSDTX137M2
E11TK331	Tank E11TK331	6308, PSDTX137M2
E11TKR40	Tank E11TKR40	6308, PSDTX137M2
E11TKS21	Tank E11TKS21	6308, PSDTX137M2
E11TKS23	Tank E11TKS23	6308, PSDTX137M2
E11TKS30	Tank E11TKS30	6308, PSDTX137M2
E11TKS31	Tank E11TKS31	6308, PSDTX137M2
E11TKS32	Tank E11TKS32	6308, PSDTX137M2
E11TKS41	Tank E11TKS41	6308, PSDTX137M2
E11TKS42	Tank E11TKS42	6308, PSDTX137M2
E11TKS43	Tank E11TKS43	6308, PSDTX137M2
E11TKS6	Tank E11TKS6	6308, PSDTX137M2
E11TKS7	Tank E11TKS7	6308, PSDTX137M2
E11TKS8	Tank E11TKS8	6308, PSDTX137M2

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
E12FL101	Marine VRU Benzene Vapor Combustor	6308, PSDTX137M2
E12TK116	Tank E12TK116	6308, PSDTX137M2
E12TK117	Tank E12TK117	6308, PSDTX137M2
E12TK145	Tank E12TK145	6308, PSDTX137M2
E12TK146	Tank E12TK146	6308, PSDTX137M2
E12V103	Tank E12V103	6308, PSDTX137M2
E13G1	Radio Tower Generator	106.511/09/04/2000
E13PE45	Firewater Pump 1 Caterpillar 3406B	6308, PSDTX137M2
E13PE46	Firewater Pump 2 Caterpillar 3406B	6308, PSDTX137M2
E13PE47	Firewater Pump 3 Caterpillar 3406B	6308, PSDTX137M2
E13V7	Tank E13V7	6308, PSDTX137M2
E14F501A	Tank E14F501A	69/09/17/1973
E14F501B	Tank E14F501B	69/09/17/1973
E14F501C	Tank E14F501C	69/09/17/1973
E14F501D	Tank E14F501D	69/09/17/1973
E14H1	WWTP Thermal Oxidizer	6308, PSDTX137M2
E14S503	Backwash Sump and Final Effluent Basin	6308, PSDTX137M2
E14S505	Tank E14S505	6308, PSDTX137M2
E14S506	Catalyst Water Sump	6308, PSDTX137M2
E14S507	Backwash Sump	6308, PSDTX137M2
E14S508	Dike Area Sump	6308, PSDTX137M2

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
E14S509	Stormwater Sump	6308, PSDTX137M2
E14S510	Deep Well Sump	6308, PSDTX137M2
E14S511	Tank E14S511	6308, PSDTX137M2
E14S512	Tank E14S512	6308, PSDTX137M2
E14T202	Tank E14T202	6308, PSDTX137M2
E14T203R	E14T203R	6308, PSDTX137M2
E14T501A/B	API/DAF Oil Water Separator	6308, PSDTX137M2
E14T503A	Tank E14T503A	69/09/17/1973
E14T503B	Tank E14T503B	69/09/17/1973
E14T504A	Tank E14T504A	69/09/17/1973
E14T504B	Tank E14T504B	69/09/17/1973
E14T505	Tank E14T505	69/09/17/1973
E14T506	Tank E14T506	69/09/17/1973
E14T511	Clarifier Feed Standpipe	6308, PSDTX137M2
E14T512	Catch Basin	6308, PSDTX137M2
E14T516	Tank E14T516	6308, PSDTX137M2
E14T521	Tank E14T521	15/09/23/1982
E14T528A	Tank E14T528A	51/07/20/1992
E14T528B	Tank E14T528B	51/07/20/1992
E14T528C	Tank E14T528C	51/07/20/1992
E14T528D	Tank E14T528D	51/07/20/1992

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
E14TK524	Tank E14TK524	6308, PSDTX137M2
E14TK526	Tank E14TK526	6308, PSDTX137M2
E14TK526CC	Tank Overflow Pipe and Carbon Canister	106.472/09/04/2000
E14TK527R	Tank E14TK527R	6308, PSDTX137M2
E14TK528	Tank E14TK528	6308, PSDTX137M2
E14TK530	Tank E14TK530	6308, PSDTX137M2
E14TK530CC	Tank Overflow Pipe and Carbon Canister	6308, PSDTX137M2
E14TK531	Tank E14TK531	6308, PSDTX137M2
E18TK110	Tank E18TK110	6308, PSDTX137M2
E18TK111	Tank E18TK111	6308, PSDTX137M2
E18TK112	Tank E18TK112	6308, PSDTX137M2
E18TKCS3	Tank E18TKCS3	6308, PSDTX137M2
E20H1	Sulfolane Clay Tower Heater	6308, PSDTX137M2
E20H1ST	Sulfolane Clay Tower Heater Stack	6308, PSDTX137M2
E20S101	Tank E20S101	6308, PSDTX137M2
E20V21A	Tank E20V21A	6308, PSDTX137M2
E20V22	Tank E20V22	6308, PSDTX137M2
E20V24	Tank E20V24	6308, PSDTX137M2
E20V4	Tank E20V4	6308, PSDTX137M2
E21H1	Btx Rx No. 1 Heater	6308, PSDTX137M2
E21H1ST	Btx Rx No. 1 Heater Stack	6308, PSDTX137M2

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
E21H2	BTX Rx No. 2 Heater	6308, PSDTX137M2
E21H2ST	BTX Rx No. 2 Heater Stack	6308, PSDTX137M2
E21H3	BTX Depent. Reboiler	6308, PSDTX137M2
E21H3ST	BTX Depent. Reboiler Stack	6308, PSDTX137M2
E23G1	East Crude Generator	106.511/09/04/2000
E23H101A	Crude II Charge Heater A	6308, PSDTX137M2, 106.261/11/01/2003, 106.262/11/01/2003
E23H101AST	Crude II Charge Heater A Stack	6308, PSDTX137M2, 106.261/11/01/2003, 106.262/11/01/2003
E23H301B	Crude II DIH "B" Heater	6308, PSDTX137M2
E23H301BST	Crude II DIH "B" Heater Stack	6308, PSDTX137M2
E23S101	Tank E23S101	6308, PSDTX137M2
E23V403	Tank E23V403	58/12/01/1972
E23V406	Tank E23V406	6308, PSDTX137M2
E25D311	Tank E25D311	6308, PSDTX137M2
E25H303	DHT-K Charge Heater	6308, PSDTX137M2
E25H303ST	DHT-K Charge Heater Stack	6308, PSDTX137M2
E25S101	KD&I Sump	6308, PSDTX137M2
E26F151	DHT-D Charge Heater	6308, PSDTX137M2
E26F151ST	DHT-D Charge Heater Stack	6308, PSDTX137M2
E27H1	DHT-I Charge Heater	6308, PSDTX137M2

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
E27H1ST	DHT-I Charge Heater Stack	6308, PSDTX137M2
E27H201	DHT-I Frac. Heater	6308, PSDTX137M2
E27H201ST	DHT-1 Frac. Heater Stack	6308, PSDTX137M2
E28H101	Hydrobon Charge Heater	6308, PSDTX137M2
E28H101ST	Hydrobon Charge Heater Stack	6308, PSDTX137M2
E28H102	Hydrobon Reboiler	6308, PSDTX137M2
E28H102ST	Hydrobon Reboiler Stack	6308, PSDTX137M2
E28S101	Tank E28S101	6308, PSDTX137M2
E29F511	SRU Incinerator	6308, PSDTX137M2
E29H417	Scot Hot Oil Heater	6308, PSDTX137M2
E29H417ST	Scot Hot Oil Heater Stack	6308, PSDTX137M2
E29S101	Ford Bacon and Davis Sump	6308, PSDTX137M2
E29T111	Tank E29T111	6308, PSDTX137M2
E29T411	Tank E29T411	6308, PSDTX137M2
E29T511R	Tank E29TK511R1	6308, PSDTX137M2
E310F101	FCCU II Charge Heater	6308, PSDTX137M2
E310F101ST	FCCU II Charge Heater Stack	6308, PSDTX137M2
E320S101	Tank E0330S101	58/05/05/1976
E320S104	Tank E0320S104	51/11/05/1986
E340D107	Tank E0340D107	6308, PSDTX137M2
E36H201	Isom Reboiler	6308, PSDTX137M2

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**
E36H201ST	Isom Reboiler Stack	6308, PSDTX137M2
E46SP300	SRU Incinerator No. 2	6308, PSDTX137M2
E46V304	Refinery Flare KO Drum	6308, PSDTX137M2
EFGEN1	36 In Flare Generator Engine (E10GEN15L)	106.511/09/04/2000
EFGEN2	24 In Flare Generator Engine (E10GEN16L)	106.511/09/04/2000
FCC 2 COOL	FCCU II Cooling Tower	6308, PSDTX137M2
FRACTANK1	Tank Fractank1	106.472/03/14/1997
FRACTANK2	Tank Fractank2	106.472/03/14/1997
FU-115+	Chapter 115 Fugitives	6308, PSDTX137M2
FU-60GGG-1	60 GGG Fugitives Negative Applicability (Non-Ref.)	6308, PSDTX137M2
FU-60GGG-2	60 GGG Fugitives Negative Applicability (Pre-1983)	6308, PSDTX137M2
FU-60GGG-3	60 GGG Fugitives Negative Applicability (Overlap)	6308, PSDTX137M2
FU-60GGGA+	60 GGGa Fugitives	6308, PSDTX137M2
FU-60VV-1	60 VV Fugitives Negative Applicability (Non-SOCMI)	6308, PSDTX137M2
FU-60VV-2	60 VV Fugitives Negative Applicability (Pre-1981)	6308, PSDTX137M2
FU-60VVA+	60 VVa Fugitives	6308, PSDTX137M2
FU-63CC+	63 CC Fugitives	6308, PSDTX137M2
FU-63CC-1	63 CC Fugitives Negative Applicability (Overlap)	6308, PSDTX137M2
FU-63CC-2	63 CC Fugitives Negative Applicability (Non-Ref.)	6308, PSDTX137M2
FU-63CC-3	63 CC Fugitives Negative Applicability (Fuel Gas)	6308, PSDTX137M2
FU-63H+	63 H Fugitives	6308, PSDTX137M2

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**
FU-63H-	63 H Fugitives Negative Applicability (Non-CMPU)	6308, PSDTX137M2
GGGGGEQLKS	MACT GGGGG Equipment Leaks	6308, PSDTX137M2
GGGGGPVS	MACT GGGGG Process Vents	6308, PSDTX137M2
GGGGGRMMUS	MACT GGGGG Remediation Material Management Units	6308, PSDTX137M2
HBON COOL	Hydrobon Cooling Tower	6308, PSDTX137M2
JCTBOXCAS	Carbon Adsorption System on Junction Box	6308, PSDTX137M2
LPGLOAD	LPG Loading	6308, PSDTX137M2
MARINETERM	Marine Terminal Docks	6308, PSDTX137M2
PORTFGCDJ	Portable Fuel Gas Combustion Devices	6308, PSDTX137M2
PORTFGCDJA	Portable Fuel Gas Combustion Devices	6308, PSDTX137M2
PRO29SRU	29 Claus/29 TGU/E29F511	6308, PSDTX137M2
PRO46SRU	46 Claus/46 TGU/E46SP300	6308, PSDTX137M2
PROBTX	BTX Platformer Unit	6308, PSDTX137M2
PROFCCU	03 FCCU/03 Scrubber	6308, PSDTX137M2
PU3TM1&2DK	Nos. 1 & 2 Dock & No. 3 Terminal	6308, PSDTX137M2
PU3TM3DK	No. 3 Dock, No. 3 Terminal, Truck Rack	6308, PSDTX137M2
PUAMINE	Amine Unit	6308, PSDTX137M2
PUBOILERS	Boilers	6308, PSDTX137M2
PUBTXPLAT	BTX Platformer Unit	6308, PSDTX137M2
PUBUTSAT	Butadiene Saturation Unit	6308, PSDTX137M2
PUCRUDEII	Crude II Unit	6308, PSDTX137M2

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
PUDHTD	DHT "D" Unit	6308, PSDTX137M2
PUDHTI	DHT "I" Unit	6308, PSDTX137M2
PUDHTK	DHT "K" Unit	6308, PSDTX137M2
PUDIHI	DIH Unit	6308, PSDTX137M2
PUFCCUII	FCCU II Unit	6308, PSDTX137M2
PUFLARE	Flare Systems	6308, PSDTX137M2
PUFUELGAS	Fuel Gas Systems	6308, PSDTX137M2
PUGNREF	General Refinery	6308, PSDTX137M2
PUHYDROBON	Hydrobon Unit	6308, PSDTX137M2
PUISOM	Isomerization Unit	6308, PSDTX137M2
PUSRU	SRU Unit	6308, PSDTX137M2
PUSRU2	SRU No. 2 Unit	6308, PSDTX137M2
PUSULFOLAN	Sulfolane Unit	6308, PSDTX137M2
PUTK2TM	Plant Area Tank Farm & No. 2 Terminal	6308, PSDTX137M2
PUUTIL	Utilities	6308, PSDTX137M2
PUWWTP	Wastewater Plant	6308, PSDTX137M2
PVE10V40	Fuel Gas to Isom KO Pot Vent	6308, PSDTX137M2
PVE20V10	Sulfolane Solvent Regenerator Receiver	6308, PSDTX137M2
PVE20V14	Sulfolane Benzene Overhead Receiver	6308, PSDTX137M2
PVE20V16	Sulfolane Toluene Overhead Receiver	6308, PSDTX137M2
PVE20V18	Sulfolane Xylene Overhead Receiver	6308, PSDTX137M2

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
PVE20V5	Sulfolane Stripper Overhead Receiver	6308, PSDTX137M2
PVE21V13	Depropanizer Receiver Vent	6308, PSDTX137M2
PVE21V15	Deethanizer Receiver Vent	6308, PSDTX137M2
PVE21V17	Debutanizer Receiver Vent	6308, PSDTX137M2
PVE21V19	Depentanizer Off Gas Comp Discharge Drum Vent	6308, PSDTX137M2
PVE21V32	Fuel Gas KO Drum Vent	6308, PSDTX137M2
PVE21V9	Depentanizer Receiver Vent	6308, PSDTX137M2
PVE23V109	Off Gas Compressor Discharge Drum Vent	6308, PSDTX137M2
PVE23V305	Off Gas Compressor Suction Scrubber Vent	6308, PSDTX137M2
PVE25D305	Kero Feed Surge Drum Vent	6308, PSDTX137M2
PVE25D308	Stripper Dist Drum Vent	6308, PSDTX137M2
PVE25D312	Fuel Gas H ₂ O KO Drum Vent	6308, PSDTX137M2
PVE26D151	Gas Oil H/F Feed Surge Drum Vent	6308, PSDTX137M2
PVE26D153	Stripper Overhead Dist Drum Vent	6308, PSDTX137M2
PVE27V11	Porta-Test Separator Vent	6308, PSDTX137M2
PVE27V12	Knockout Drum Vent	6308, PSDTX137M2
PVE27V203	H ₂ S Stripper Reflux Drum Vent	6308, PSDTX137M2
PVE27V208	Intermediate Oil/Water Separator Vent	6308, PSDTX137M2
PVE27V209	Secondary Stripper Reflux Drum Vent	6308, PSDTX137M2
PVE27V210	Suction Drain Pot to C4 Vent	6308, PSDTX137M2
PVE27V4	LP Separator Vent	6308, PSDTX137M2

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
PVE27V46	Fuel Gas KO Pot Vent	6308, PSDTX137M2
PVE27V9	H ₂ S Absorber Vent	6308, PSDTX137M2
PVE28GV15	Knockout Drum Vent	6308, PSDTX137M2
PVE29SP72	SRU No. 1 Sulfur Pit Eductor Vent	6308, PSDTX137M2
PVE29V116	Sour Gas KO Drum Vent	6308, PSDTX137M2
PVE29V119	Sweet Gas KO Drum Vent	6308, PSDTX137M2
PVE29V212	Sour Wate Stripper Reflux Accumulator Vent	6308, PSDTX137M2
PVE29V412	Scot Absorber Vent	6308, PSDTX137M2
PVE310D110	Disengaging Drum Vent	6308, PSDTX137M2
PVE310R102	Catalyst Regenerator Vent	6308, PSDTX137M2
PVE320D105	Debutanizer Overhead Accumulator Vent	6308, PSDTX137M2
PVE320D109	C3/C4 Disulfide Separator Vent	6308, PSDTX137M2
PVE320D110	C3/C4 Splitter OVHD Accum Vent	6308, PSDTX137M2
PVE330D105	Debutanizer No. 2 Overhead Accumulator Vent	6308, PSDTX137M2
PVE36V104	Feed Surge Drum Vent	6308, PSDTX137M2
PVE36V107	Net Gas Caustic Scrubber Vent	6308, PSDTX137M2
PVE37V204	Deethanizer Reflux Accumulator Vent	6308, PSDTX137M2
PVE46J200	SRU No. 2 Sulfur Pit Eductor Vent	6308, PSDTX137M2
PVE46T301	TGTU Contactor Vent	6308, PSDTX137M2
RXE25R302	Reactor-Kerosene H/F Reactor	6308, PSDTX137M2
RXE26R151	Reactor-Gas Oil H/F Reactor	6308, PSDTX137M2

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
RXE27V2	Reactor-VGO Isomax Reactor	6308, PSDTX137M2
RXE28R101	Reactor-Hydrobon Reactor	6308, PSDTX137M2
RXE29F311	Reactor-Thermal Reactor	6308, PSDTX137M2
RXE29R311	Reactor-Catalytic Reactor I	6308, PSDTX137M2
RXE29R312	Reactor-Catalytic Reactor II	6308, PSDTX137M2
RXE29R313	Reactor-Catalytic Reactor III	6308, PSDTX137M2
RXE29R411	Reactor-Scot Reactor	6308, PSDTX137M2
RXE310R101	Reactor-FCCU II	6308, PSDTX137M2
RXE310R102	Reactor-Catalyst Regenerator	6308, PSDTX137M2
RXE36V105A	Reactor-Isom Reactor A	6308, PSDTX137M2
RXE36V105B	Reactor-Isom Reactor B	6308, PSDTX137M2
RXE37V202	Reactor-HPN/IVP Reactor	6308, PSDTX137M2
RXE38V102	Reactor-Olefin Feed Treater	6308, PSDTX137M2
RXE38V103	Reactor-MTBE Reactor I	6308, PSDTX137M2
RXE38V104	Reactor-MTBE Reactor II	6308, PSDTX137M2
RXE46R200	Reactor-SRU Thermal Reactor	6308, PSDTX137M2
RXE46R201	Reactor-SRU Catalytic Reactor	6308, PSDTX137M2
RXE46R300	Reactor-TGTU Hydrogenation Reactor	6308, PSDTX137M2
SULFOLANEC	Sulfolane Cooling Tower	6308, PSDTX137M2
SURFCOAT	Surface Coating Operations	106.263/11/01/2001
TK-151596	Calgon Tank 151596	106.473/03/14/1997

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
TK-151597	Calgon Tank 151597	106.473/03/14/1997
TK-151598	Calgon Tank 151598	106.473/03/14/1997
TK-151607	Calgon Tank 151607	106.473/03/14/1997
TK-151609	Calgon Tank 151609	106.473/03/14/1997
TK-151611	Calgon Tank 151611	106.473/03/14/1997
TK-151615	Calgon Tank 151615	106.473/03/14/1997
TK-151616	Calgon Tank 151616	106.473/03/14/1997
TK-151617	Calgon Tank 151617	106.473/03/14/1997
TK-C15173	Nalco Tank C15173	106.473/03/14/1997
TK-C15213	Nalco Tank C15213	106.473/03/14/1997
TK-C15214	Nalco Tank C15214	106.473/03/14/1997
TK-C15791	Nalco Tank C15791	106.473/03/14/1997
TK-C15820	Nalco Tank C15820	106.473/03/14/1997
TK-N87364	Nalco Tank N87364	106.473/03/14/1997
TKVEHCLGAS	Motor Vehicle Gasoline Tank	106.473/09/04/2000
TPE14T503	Biological WW Treatment	6308, PSDTX137M2
TPE14TK527R	Stripping Wastewater Treatment	6308, PSDTX137M2
TPE14TK531	Stripping Wastewater Treatment	6308, PSDTX137M2
VSBTXJ-1	Vacuum System-BTX J-1	6308, PSDTX137M2
VSCRUDEII	Vacuum System-Crude II	6308, PSDTX137M2
VSSRU1	Vacuum System-Sru No. 1	6308, PSDTX137M2

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**
VSSRU2	Vacuum System-SRU No. 2	6308, PSDTX137M2
VSSULFJ2	Vacuum System-Sulfolane J-2	6308, PSDTX137M2
WWTPENG1	WWTP Compressor Engine 1	106.512/06/13/2001
WWTPENG2	WWTP Compressor Engine 2	106.512/06/13/2001

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

Alternative Requirement

Alternative Requirement..... 489

PSD-TX-137M1

XC:
TSH
RAC



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VI
1201 ELM STREET
DALLAS, TEXAS 75270

JAN 7 1987

DELAHUNT
DOWNEY
RECEIVED

1/10/87

T. W. Sands

Mr. Thomas W. Sands
Vice President and General Manager
Southwestern Refining Company, Inc.
P. O. Box 9217
Corpus Christi, Texas 78408

Re: Alternatives to Opacity Monitoring

Dear Mr. Sands:

On the basis of available information, the No. 2 Fluid Catalytic Cracking Unit (No. 2 FCCU) at your petroleum refinery in Corpus Christi, Texas, is subject to the Standards of Performance for Petroleum Refineries, 40 CFR Part 60, Subpart J. These Standards require that the No. 2 FCCU be equipped with a continuous opacity monitor (40 CFR 60.105(a)(1)) unless an alternative monitoring requirement is approved by the Environmental Protection Agency (EPA) under 40 CFR 60.13(i).

Because of the presence of liquid water droplets in the stack gases from the venturi scrubber which serves the No. 2 FCCU, the Texas Air Control Board (TACB) approved the monitoring of the throat velocity ratio (TVR) in the No. 2 FCCU venturi scrubber. Under the provisions of the delegation of authority of the New Source Performance Standards (NSPS) to the TACB, the EPA retains the authority to approve alternative monitoring requirements under 40 CFR 60.13(i). We have, however, evaluated the monitoring requirements approved by the TACB and agree that these requirements are acceptable under NSPS.

In accordance with the provisions of 40 CFR 60.13(i)(1), we hereby approve the following alternative monitoring requirements for the No. 2 Fluid Catalytic Cracking Unit (No. 2 FCCU) at Southwestern Refining Company, Inc., in Corpus Christi, Texas:

1. The scrubber for the No. 2 FCCU shall be continuously monitored for the throat velocity ratio (TVR). The TVR shall be calculated using the following equation:

$$TVR = \frac{\text{Actual throat velocity, feet/second}}{\text{Minimum throat velocity, feet/second}}$$

The TVR shall be maintained between 1.0 and 2.0

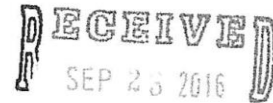
1A 062462



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

September 15, 2016

Curtis Taylor
Flint Hills Resources
Air Environmental Manager
PO Box 2608
Corpus Christi, TX 78403-2608



BY:

Re: Alternative Monitoring Plan (AMP) and Performance Testing Waiver – Hydrogen Sulfide (H₂S) Monitoring for Vapors Combusted in Portable Thermal Oxidizers and Other Portable Fuel Gas Combustion Devices (FGCDs) under New Source Performance Standards (NSPS) for Petroleum Refineries Subparts J and Ja – Flint Hills Resources (FHR) Corpus Christi East (CCE) and Corpus Christi West (CCW) Refineries, located in Corpus Christi, Texas.

Dear Mr. Taylor:

This letter is in response to your requests, each dated May 20, 2014, pertaining to the use of portable temporary thermal oxidizer units (TOUs) for emissions control during tank degassing and similar vapor control projects at the FHR CCE and FHR CCW petroleum refineries that are subject to NSPS Subparts J or Ja. Upon review of information provided, the United States Environmental Protection Agency (EPA) conditionally approves your AMP and grants a performance testing waiver for degassing activities using portable temporary TOUs and other portable FGCDs at the FHR CCE and CCW refinery facilities, as explained below and further delineated in the Enclosure to this letter.

Specifically, FHR operations and maintenance personnel and/or approved contractors will complete degassing procedures for tanks, vessels, and pipes located at the CCE and CCW petroleum refineries. The use of portable TOUs and FGCDs to combust vapors that are refinery fuel gas streams result in the TOUs/FGCDs being considered fuel gas combustion devices subject to either NSPS Subpart J or Subpart Ja, depending on refinery-specific operations. Our evaluation covers provisions from both Subparts J and Ja for this reason. Please note that NSPS Subparts J and Ja prohibit the owner or operator of a fuel gas combustion device from burning vent gas generated at a petroleum refinery that contains H₂S in excess of the following limits:

- 1) 230 milligrams per dry standard cubic meter (mg/dscm), per 40 CFR § 60.104(a)(1);
- 2) 162 parts per million by volume (ppmv) determined hourly on a 3-hour rolling average basis and 60 ppmv determined daily on a 365-day successive calendar day rolling average basis, per 40 CFR § 60.102a(g)(1)(ii).

NSPS Subparts J and Ja require the owner or operator of a fuel gas combustion device to install, calibrate, maintain, and operate a continuous emission monitoring system (CEMS) to monitor and record the concentration of H₂S in the fuel gases before being burned in a combustion device, per 40 CFR §§ 60.105(a)(4) and 60.107a(a)(2), respectively. Since your portable TOUs and FGCDs are

used on a temporary basis at each facility, you contend that installation of an H₂S CEMS would not be economically feasible and technically impractical to implement.

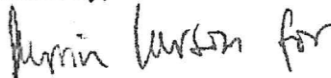
Based upon the information provided to date, EPA agrees that, for the specific portable and temporary combustion devices used, as described in your request, it is impractical to require monitoring via an H₂S CEMS as specified by NSPS Subparts J and Ja. Therefore, in accordance with 40 CFR § 60.13(i), EPA conditionally approves FHR's AMP. In addition, based on FHR's proposed alternate testing protocols to be used during each degassing event, EPA waives performance testing pursuant to 40 CFR § 60.8(b)(4). *Our conditional approval is limited to the monitoring of H₂S or sulfur dioxide (SO₂)/oxygen (O₂) for the operations described in your AMP and delineated in the Enclosure to this letter.* Please note that our conditional approval does not alter FHR's obligations to meet all other applicable NSPS requirements, including, but not limited to, the following NSPS General Provisions:

- 1) the requirement to maintain and operate affected facilities and associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions, per 40 CFR § 60.11(d); and
- 2) the prohibition against concealing emissions which would otherwise constitute a violation of an applicable standard, including the use of gaseous diluents to achieve compliance with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere, per 40 CFR § 60.12.

This conditional approval is based upon prior consultation with EPA's Office of Air Quality Planning and Standards and our Office of Enforcement and Compliance Assurance. This conditional approval automatically expires on the effective date of any change to NSPS Subparts J or Ja that directly affects the requirements to monitor H₂S concentrations in fuel gases burned in portable combustion devices. Also, if FHR's use of portable TOUs or FGCDs during degassing operations changes from the representations made in the AMP, this approval will become null and void. Furthermore, if an affected refinery's operations change such that the sulfur content of the off-gas vent streams increases beyond levels specified in the Enclosure to this letter, then the refinery must document the change(s) so that FHR may follow appropriate steps in either 40 CFR §§ 60.105(b)(3)(i)-(iii) or 60.107a(b)(3)(i)-(iii), based upon refinery-specific requirements. Finally, EPA's conditional approval should be referenced and attached to each refinery's air permit¹ to ensure federal enforceability.

If you have any questions about this condition approval, please feel free to contact Diana Lundelius of my staff at (214) 665-7468, or at lundelius.diana@epa.gov.

Sincerely,



Steve Thompson
Chief, Air Enforcement Branch

¹ Texas Commission of Environmental Quality (TCEQ) Permit No. 6308 for CCE and Permit No. 8803A for CCW.

Enclosure

ENCLOSURE

**Alternative Monitoring Plan (AMP) and Testing Waiver Evaluation
For Monitoring H₂S in Vapors Combusted in Portable Thermal Oxidizer Units
and Other Portable Temporary Fuel Gas Combustion Devices
During Degassing of Tanks, Vessels, and Piping
at the Flint Hills Resources (FHR)
Corpus Christi East (CCE) and Corpus Christi West (CCW) Refineries**

Flint Hills Resources proposed an alternative monitoring plan (AMP) on May 20, 2014, for monitoring hydrogen sulfide (H₂S) in vapors that are combusted in portable thermal oxidizer units (TOUs). Under the AMP, Flint Hills will perform degassing of tanks, vessels, and piping at the CCE and CCW Refineries using portable temporary TOUs as emission control devices. Since FHR's portable TOUs will combust vapors that may be considered refinery fuel gas, the TOUs are combustion devices subject to New Source Performance Standards (NSPS) for Petroleum Refineries, Title 40 Code of Federal Regulations (C.F.R.) Part 60, Subpart Ja. While the TOUs are subject to NSPS Ja, the incoming fuel gas streams from degassing at various refineries may be subject to either NSPS J or Ja. Since the TOUs are portable units that are used on a temporary basis, and are not permanent equipment owned or operated by the petroleum refineries, EPA agrees that it is not economically feasible and technically impractical to install H₂S CEMS as currently required under NSPS Subparts J or Ja. Additionally, in accordance with FHR's alternate testing protocol, EPA waives the requirement to conduct performance testing for each degassing event, consistent with 40 CFR § 60.8(b)(4).

EPA notes that FHR proposed VOC control options which include other types of portable temporary fuel gas combustion devices (FGCDs) in addition to the use of TOUs. The types of portable FGCDs that FHR anticipates using for degassing activities include portable internal combustion engines. **This AMP is also intended to cover such internal combustion engines to the extent they do not qualify for the exemption set forth at 40 CFR 60.102(a)(g)(1)(iii).** The FHR CCE and CCW Refineries are also subject to provisions of a petroleum refinery consent decree (CD), *United States of America and The State of Minnesota v. Koch Petroleum Group, L.P., Civil Action No. 00-2756 (PAM/SRN)*, *United States District Court for the District of Minnesota*, entered April 25, 2001. FHR has indicated that they do not intend to use any heater or boiler with a design duty capacity of over 40 million British Thermal Units (MMBtu) as a FGCD which would be governed by this AMP, nor will they use portable FGCDs to replace any heater or boiler located at the CCE and CCW Refineries. Heaters and boilers located at the CCE and CCW Refineries will continue to comply with the terms of the referenced CD and are not intended to be affected by the use of portable TOUs or other FGCDs for degassing activities.

Based upon FHR's representations of the degassing operations that will be covered by the AMP, the operation of the portable combustion devices, and other information furnished in the company's AMP request of May 20, 2014, and in the company's follow up response dated May 23, 2014, the following conditions must be met as part of this AMP approval:

1. The CCE and CCW refineries where FHR conducts degassing operations shall maintain the following information:
 - (i) The identification number of the storage tank, vessel or other equipment where degassing and cleaning operations will occur;
 - (ii) Site plan diagrams showing the locations and orientation of the tanks, vessels, and piping where degassing operations will occur, and the locations where FHR may locate the portable TOUs or other FGCDs and other equipment necessary for the degassing operations;
 - (iii) The names and titles of responsible refinery and contractor individuals who will review and approve degassing grab sample records and log sheets for the refinery;
 - (iv) A list of the materials stored in each tank, vessel, or piping area, Material Safety Data Sheets (MSDS) for each material, laboratory test results, or other similar information documenting the approximate H₂S or total sulfur content of the material stored in the tank, vessel or other equipment;
 - (v) A list of operating restrictions, if any, to ensure that degassing operations conform to special conditions in the refineries' air permits²;
 - (vi) A copy of the alternate testing steps used for sampling and monitoring during degassing events;
 - (vii) The type of device used to control VOC emissions from degassing and cleaning and the type of FGCD used;
 - (viii) The Subpart J/Ja monitoring options for H₂S or SO₂ under the AMP which were followed during each degassing event;
 - (ix) The results of each grab sample; key activities completed with each degassing operation, and other relevant information; and,
 - (x) FHR shall record the information required by Item 1 (a)-(ix), and shall maintain these records for a period of at least five years.
2. When a portable TOU or other FGCD device is used to control VOC emissions from tanks, vessels and other equipment during degassing and cleaning operations FHR shall use either H₂S length of stain colorimetric tube testing or a portable H₂S meter to determine the concentration of H₂S in gases entering each portable TOU or FGCD (i.e., a "grab sample"). Each grab sample shall be taken at the inlet of the portable FGCD or TOU.
3. *As an alternative to item 2*, above, FHR shall use either SO₂ length of stain colorimetric tube testing or a portable SO₂ meter to determine the concentration of SO₂ in gases exhausted from the portable FGCD or TOU. Each grab sample shall be taken at the outlet of the mobile FGCD or TOU. In addition, FHR shall use a portable O₂ meter to determine the concentration of O₂ in the FGCD/TOU exhaust. The O₂ measurement will be used to correct the SO₂ measurement to an oxygen free basis. The grab sample taken for O₂ content shall be taken concurrently or immediately after the SO₂ grab sample. A moisture content of 15.5% water on an O₂ free basis will be used to

² Special Conditions 42, 45, 46, 49 and Attachment C of TCEQ Permit No. 6308 for CCE, and Special Conditions 83, 86, 87, 90, 92, and Attachment C of Permit No. 8803A for CCW. The numbering, order and wording of permit special conditions may change over time to reflect current operations at each facility.

calculate the SO₂ concentration on a dry oxygen free basis, as outlined in the company's AMP submittal.

4. In the event that the measurement range of a hand-held portable analyzer or stain tube is exceeded, FHR will re-sample with length of stain tubes or another analyzer with the appropriate measurement range to ensure that an accurate measurement is obtained.
5. For each discrete degassing event, FHR shall collect a grab sample for H₂S or SO₂ /O₂ (the "initial grab sample") within 30 minutes of commencing treatment of tank, vessel and other equipment degassing vapors in each portable FGCD/TOU utilized during a degassing and cleaning event. No monitoring is required during operating periods when the FGCD or TOU does not combust gases generated by degassing and cleaning³ events.
6. When the initial grab sample indicates an H₂S concentration equal to or less than 162 ppmv, or an SO₂ concentration equal to or less than 20 ppmv on a dry O₂ free basis, then the inlet gas stream is considered to meet the applicable H₂S/SO₂ limits of NSPS J or Ja, and no further monitoring is required for that discrete degassing and cleaning event. If the initial grab sample indicates an H₂S concentration more than 162 ppmv or an SO₂ concentration more than 20 ppmv on a dry O₂ free basis, then for that discrete degassing event, FHR may demonstrate compliance with the applicable H₂S/SO₂ limits of NSPS J or Ja by averaging the following three grab samples:
 - (i) the initial grab sample;
 - (ii) a grab sample taken between 61 and 120 minutes after startup of the FGCD/TOU, and
 - (iii) a grab sample taken between 121 and 180 minutes after startup of the FGCD/TOU.
7. FHR will report the results of monitoring activities under the AMP for each discrete tank, vessel and other equipment degassing and cleaning event which is completed during a calendar quarter. The results will be included in the excess emissions report submitted for that calendar quarter per the reporting requirements of 40 CFR §60.7(c).
8. Vapors from degassing and cleaning operations covered under the AMP shall be vented only to a FGCD or TOU which is in full operation mode.
9. The use of FHR's portable FGCDs and TOUs for control of H₂S and other refinery fuel gas vent stream pollutants at processes other than the degassing and cleaning operations represented is not covered or authorized by this AMP.
10. FHR shall follow its internal Standard Operating Procedures (SOP) for operation of the FGCDs and TOUs, as furnished with the AMP request. FHR shall review and update the SOP at least once annually to ensure consistency with requirements of the AMP conditional approval, current permits, and applicable federal/state air emission rules.

³ For example, sampling would not be required during time periods that commercially purchased propane is combusted for the purposes of heating the FGCD/TOU up to operating temperature prior to treatment of degassing and cleaning VOC emissions, or during equipment cool down after the device is no longer needed to treat VOC emissions from degassing and cleaning events.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202 - 2733

*Dana
Curtis
Jenna
Carin
Taylor
Boh-ette*

JUL 31 2018

Mr. Curtis Taylor
Air Environmental Manager
Flint Hills Resources, Corpus Christi Refineries
P.O. Box 2068
Corpus Christi, Texas 78403-2608

RECEIVED
AUG 14 2018

BY:

RE: Alternative Monitoring Plan (AMP) – New Source Performance Standards (NSPS) for Petroleum Refineries (40 CFR Part 60 Subparts J and Ja) and National Emission Standards for Hazardous Air Pollutants (NESHAP) for Petroleum Refineries (40 CFR Part 63 Subpart UUU) – Parametric Monitoring in Lieu of Continuous Opacity Monitoring System for Fluidized Catalytic Cracking Unit (FCCU) Wet Gas Scrubber (WGS) at the Flint Hills Resources (FHR) Corpus Christi East Refinery (CCER)

Dear Mr. Taylor:

This letter is in response to your request dated September 28, 2017, pertaining to modification of your approved AMP¹ for the FCCU II WGS unit under NSPS Subpart J, to include opacity monitoring requirements under NESHAP UUU, as provided in 40 C.F.R. §63.1573(g). Upon review of all available information, the United States Environmental Protection Agency (EPA) approves your AMP request for the FCCU II WGS, as delineated fully in the enclosure to this letter.

If operations change from those represented in the enclosure for the FCCU operations at the CCER, this approval may become void and a new AMP request will be necessary. If you have any questions or concerns about this approval, please contact Prince Nfodzo of my staff at nfodzo.prince@epa.gov, or at 214-665-7491.

Sincerely,

Steve Thompson
Chief,
Air Enforcement Branch

Enclosure

cc: Michael De La Cruz
Office of Compliance and Enforcement
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, TX 78711-3087

¹ See EPA AMP approval letter addressed to Mr. Thomas W. Sands (Southwestern Refining Company, Inc.) dated January 7, 1987.

ENCLOSURE

Flint Hills Resources (FHR) Corpus Christi East Refinery Modified Alternative Monitoring Plan (AMP) for FCCU II WGS Parametric Monitoring in Lieu of COMS

BACKGROUND INFORMATION

Background information and regulatory and Consent Decree (“CD”) requirements were documented in a prior EPA AMP approval for the Fluid Catalytic Cracking Unit (FCCU) II Wet Gas Scrubber (WGS) at the Flint Hills Resources Corpus Christi East Refinery (“CCER”). CCER has proposed modifications to the originally approved alternative monitoring plan (AMP) for the FCCU II WGS in consideration of applicable rule subpart changes. This Enclosure provides EPA’s evaluation of the current operational status and rule requirement implementation for the WGS, where parametric monitoring is proposed in lieu of continuous opacity monitoring system (COMS) requirements. Since CCER needs to comply with Opacity and Particulate Matter (PM) emission limitations under NSPS Part 60 Subparts J (“Refinery NSPS”) and NESHAP Part 63 Subpart UUU (“Refinery MACT II”), an AMP is necessary in order to address the issue of reliability for monitoring opacity when moisture levels are high in a stack.

TECHNICAL INFORMATION FOR AMP APPROVAL

The WGS *Liquid-to-Gas Ratio* (“L/G Ratio”) is one critical operating parameter to be monitored for ensuring scrubber performance in all of the scrubber designs evaluated across the refinery sector. Although the L/G Ratio involves measurement of both the total liquid flow rate to the scrubber and the total gas flow rate through the scrubber, EPA views the L/G Ratio as a single operating parameter for the purpose of compliance monitoring. Historically, pressure drop had been used as a critical operating parameter for venturi type scrubbers in addition to the L/G Ratio, since pressure drop had been shown to correlate directly with scrubber efficiency. However, as scrubber designs have evolved to meet the needs of multiple pollutant removal and/or flexibility in process operations, pressure drop has become a redundant parameter for monitoring compliance in some scrubber systems.

Ultimately, the final selection of critical operating parameters is entirely dependent upon ensuring that effective scrubber performance is maintained and that emission limitations are continually met, given those needs associated with facility-specific operations of the FCCU Catalyst Regenerator and the WGS type configuration. Through initial and subsequent performance testing, operating parameter limits (“OPLs”) are established either as a minimum, average, or maximum value over time intervals for reporting that are recognized as representative of the performance testing conducted to demonstrate compliance with emission limitations.

The FCCU WGS at CCER is an ExxonMobil type scrubber. Therefore, EPA approved the following operating parameters to ensure that the WGS at CCER would function as intended and that emissions from the FCCU Regenerator would continuously meet the regulatory requirements for opacity and particulate matter:

1. Minimum Liquid-to-Gas Ratio (L/G): defined as total liquid flowrate (L) divided by total gas flowrate (G) through the WGS, where L was calculated from the pressure pump curve correlation proposed and G was determined by direct measurement via existing flow meters.
2. Throat Velocity Ratio (TVR): defined as the actual throat velocity divided by the minimum throat velocity.

PROVISIONS FOR MODIFIED AMP

CCER has requested modifying the prior EPA approved AMP for the FCCU II WGS opacity parametric monitoring under NSPS Subpart J to update opacity monitoring requirements under the Refinery MACT UUU regulations. CCER provided a summary of test results for performance test conducted at the FCCU II WGS January 18, 2017, and requested the addition of the L/G ratio to the previously approved operating parameter.

Upon review of CCER's performance test results, EPA approves the following OPLs.

1. Minimum Liquid-to-Gas Ratio (L/G): The minimum L/G ratio shall be 0.022 gal/dscf.
2. Throat Velocity Ratio (TVR): The actual throat velocity shall be maintained such that the throat velocity ratio shall be greater than 1.0 but less than 2.0

Compliance for the above OPLs is determined on an hourly rolling average based on evaluation of results from three one-hour test runs, consistent with the FCCU operating conditions and corresponding test data from the most recent particulate matter performance test. Any parameter values that are not within the approved cut-off levels represent and shall be reported as a deviation. CCER shall incorporate the terms of this AMP approval into the facility's New Source Review (NSR) and Title V permits for federal enforceability.

As per the requirements at 40 CFR § 63.1571(a)(5), CCER shall conduct performance tests at least once every five years in order to verify that the established values for OPLs are still representative of facility operations and WGS performance, or in order to determine new representative values. A copy of each performance test report must be submitted to EPA and the permitting authority, along with any changes to the prior OPL values resulting from the data obtained during testing at the FCCU WGS.

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

February 25, 2020

MR CURTIS TAYLOR
ENVIRONMENTAL MANAGER
FLINT HILLS RESOURCES CORPUS CHRISTI LLC
PO BOX 2608
CORPUS CHRISTI TX 78403-2608

Re: Alternative Method of Compliance (AMOC) No. 151
East Plant Refinery
Alternative Test Method for Refinery Fuel Gas Mixture
Regulated Entity Number: RN102534138
Customer Reference Number: CN603741463
Associated Permit Numbers: 6308, PSDTX137M2, and O1445

Dear Mr. Taylor:

This correspondence is in response to Flint Hills Resources Corpus Christi, LLC's (FHR-CC's) October 21, 2019 request for alternative test methods for Refinery Fuel Gas (RFG) mixtures and use an AMOC to comply with 40 CFR 60, Subpart Db Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (NSPS Db) or Subpart Ja Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction (NSPS Ja). Specifically, FHR-CC East Plant is requesting to use ASTM D 1946 and 3588 as the most appropriate analysis methods to determine a fuel-specific "F-factor" used to calculate emissions from Boiler 10 and the East Crude Heater.

We understand these alternative analysis methods are requested for when, in the future, the plant may comply with §§ 60.46b(f)(1)(i) and 60.102a(g)(2)(ii)(B) by using the option granted under the applicable rules to sample and calculate a specific RFG F-factor, instead of using the default F Factor provided. In this instance, FHR-CC has requested to use ASTM D 1946 and 3588 (for reformed gas and gaseous fuels) instead of the stipulated ASTM Methods D 1826 and 3176 (for analysis for of solid fuels such as coal and coke) because these analysis methods are more appropriate to characterize the RFG and natural gas mixture used in the specified combustion units.

The Texas Commission on Environmental Quality (TCEQ) Executive Director has made a final decision to approve your AMOC request. The TCEQ has been delegated authority to enforce the above cited standards and is authorized to approve this AMOC. You are reminded that approval of any AMOC shall not abrogate the Executive Director or Administrator's authority under the Act or in any way prohibit later canceling the AMOC. By copy of this letter we are informing the Environmental Protection Agency, Region 6, of this decision as required by TCEQ's delegation of authority.

This AMOC approval may supersede certain requirements or representations in Permit Nos. 6308 and PSDTX137M2. To ensure effective and consistent enforceability, we request that FHR-CC incorporate this AMOC into the permit(s) through submittal of alteration(s) no later than 90 days after this approval.

P.O. Box 13087 · Austin, Texas 78711-3087 · 512-239-1000 · tceq.texas.gov

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printed on recycled paper

February 25, 2020
Page 2
Mr. Curtis Taylor

Re: Permit Numbers: 6308, PSDTX137M2, and O1445

This approval may also change applicable requirements for the site, which are identified in the site operating permit (SOP) O1445. The TCEQ recommends the submittal of a SOP administrative revision if any changes are necessary. Changes meeting the criteria for an administrative revision can be operated before issuance of the revision if a complete application is submitted to the TCEQ and this information is maintained with the SOP records at the site.

If you need further information or have any questions, please contact Ms. Anne Inman, P.E. at (512) 239-1276 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Sincerely,

A handwritten signature in black ink, appearing to read 'Samuel Short', followed by a long horizontal line extending to the right.

Samuel Short, Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

cc: Ms. Jenna Saladiner, Flint Hills Resources
Ms. Carin Wunneburger, Flint Hills Resources
Air Section Manager, Region 14 - Corpus Christi
Jesse E. Chacon, P.E., Manager, Operating Permits Section, Air Permits Division, OA: MC-163
Daniel Guthrie, Manager, Energy New Source Review Permits Section, Air Permits Division, OA:
MC-163
Air Permits Section Chief, New Source Review Section (6PD-R), U.S. Environmental Protection
Agency, Region 6, Dallas

Project Number: 308260



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Research Triangle Park, NC 27711

OFFICE OF
AIR QUALITY PLANNING AND
STANDARDS

January 25, 2022

Ms. Dana Perez
Environmental Director
Flint Hills Resources
Corpus Christi East
P.O. Box 2608
Corpus Christi, Texas 78403

Dear Ms. Perez:

Thank you for submitting a site-specific fence line monitoring plan request, dated November 18, 2021, to be implemented at the Flint Hills Resources Corpus Christi East refinery to comply with the 2015 Petroleum Refinery Sector final rule (40 CFR part 63 subpart CC). Pursuant to 40 CFR 63.658(i), the Environmental Protection Agency (EPA) is approving your site-specific plan.

EPA recognizes that refiners can account for the contribution of offsite or onsite sources that are not part of the refinery source using an alternative approach. This alternative is detailed in 40 CFR 63.658(i) and specifies that the near-field source contributions (onsite, non-applicable sources and offsite sources) and a uniform background concentration can be subtracted from the measured fence line concentration at each impacted passive sampling location to determine the individual ΔC for each two-week period.

Your site-specific monitoring plan meets the requirements of 40 CFR 63.658(i) and explains how the near-field source contribution and uniform background contribution will be estimated and how the resulting ΔC will be calculated, recorded and reported. We would also specify that the ENMET measurement system must be operated in continuous mode. Please keep us informed regarding any issues related to your site-specific monitoring plan. If you have questions or need additional information, please contact Brenda Shine at (919) 541-3608.

Sincerely,

**PENNY
LASSITER**

Penny Lassiter
Director

Digitally signed by
PENNY LASSITER
Date: 2022.01.25
08:44:41 -05'00'

Sector Policies and Programs Division

Cc: Anne Inman, TCEQ
Maria Malave, EPA OECA
Prince Nfodzo, EPA Region 6
Mike Wilson, TCEQ

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 18, 2022

MR CURTIS TAYLOR
ENVIRONMENTAL MANAGER
FLINT HILLS RESOURCES CORPUS CHRISTI LLC
PO BOX 2608
CORPUS CHRISTI TX 78403-2608

Re: Alternative Method of Compliance (AMOC) No. 200
East Refinery
NSPS J Fuel Gas Monitoring Exemption
Regulated Entity Number: RN102534138
Customer Reference Number: CN603741463
Associated Permit Numbers: 6308, PSDTX137M2, and O1445

Dear Mr. Taylor:

This correspondence is in response to Flint Hills Resources Corpus Christi, LLC's (FHR's) March 30, 2022 request an exemption determination of an inherently low sulfur fuel under 40 CFR 60 Subpart J Standards of Performance for Petroleum Refineries (NSPS J) for the fuel burned in the Fluidized Catalytic Cracking Unit (FCCU) Charge Heater at the East Refinery.

Specifically, we understand that the FCCU Charge Heater (EPN E0310F101) is fired with refinery fuel gas and waste gas from the Merox Unit. FHR has submitted information to demonstrate this fuel meets all the criteria in §60.15(b) to be considered inherently low in sulfur and therefore is exempt from monitoring sulfur content of the fuel gas.

The Texas Commission on Environmental Quality (TCEQ) Executive Director has made a final decision to approve your AMOC request. The TCEQ has been delegated authority to enforce the above cited standards and is authorized to approve this AMOC. You are reminded that approval of any AMOC shall not abrogate the Executive Director or Administrator's authority under the Act or in any way prohibit later canceling the AMOC. By copy of this letter we are informing the Environmental Protection Agency, Region 6, of this decision as required by TCEQ's delegation of authority.

This AMOC approval supersedes the Alternative Monitoring Plan (AMP) from EPA Region 6 to monitor H₂S and strong base weight percent for the Merox waste gas.

This AMOC approval may also supersede certain requirements or representations in Permit Nos. 6308 and PSDTX137M2. To ensure effective and consistent enforceability, we request that FHR incorporate this AMOC into the permit(s) through submittal of alteration(s) no later than 90 days after this approval.

This approval may also change applicable requirements for the site, which are identified in the site operating permit (SOP) O1445. The TCEQ recommends the submittal of a SOP administrative revision if any changes are necessary. Changes meeting the criteria for an administrative revision can be operated before issuance of the revision if a complete application is submitted to the TCEQ and this information is maintained with the SOP records at the site.

If you need further information or have any questions, please contact Ms. Anne Inman, P.E. at (512) 239-1276 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

P.O. Box 13087 · Austin, Texas 78711-3087 · 512-239-1000 · tceq.texas.gov

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April 18, 2022
Page 2
MR CURTIS TAYLOR

Re: Permit Numbers: 6308, PSDTX137M2, and O1445

Sincerely,

A handwritten signature in black ink, appearing to read 'Samuel Short', followed by a long horizontal line extending to the right.

Samuel Short, Deputy Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

cc: Air Section Manager, Region 14 - Corpus Christi
Jesse E. Chacon, P.E., Manager, Operating Permits Section, Air Permits Division, OA: MC-163
Daniel Guthrie, Manager, Energy New Source Review Permits Section, Air Permits Division, OA:
MC-163
Air Permits Section Chief, New Source Review Section (6PD-R), U.S. Environmental Protection
Agency, Region 6, Dallas

Project Number: 340714

Appendix A

Acronym List 505

Acronym List

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

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

Appendix B

Major NSR Summary Table 507

Major NSR Summary Table

Permit Numbers: 6308 and PSDTX137M2					Issuance Date: March 11, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
<u>Emission Rate Caps</u>							
		NO _x	360.18	208.47	36	36	
		CO	266.57	401.22	36	36	
		SO ₂	247.33	288.90	36	36	
		H ₂ S	6.11	13.01	36	36	
		Ozone	15.51	27.48	36	36	
		PM	46.87	169.51	36	36	
		PM ₁₀	46.53	168.01	36	36	
		PM _{2.5}	46.26	166.81	36	36	
		VOC	31.6.12	441.23	36	36	
		Toluene	0.98	2.16	36	36	
		Xylene	0.97	1.27	36	36	
		Benzene	0.60	0.44	36	36	
		NH ₃	3.49	11.47	36	36	
		HCN	17.50	63.90	36	36	

Major NSR Summary Table

Permit Numbers: 6308 and PSDTX137M2					Issuance Date: March 11, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		NaHSO ₃	0.72	0.31	36	36	
		SAM	13.88	49.95	36	36	
<u>Maintenance, Startup, and Shutdown (MSS) Emission Caps (6)</u>							
		VOC	1,050.56	26.08	41, 42, 43, 44, 45, 46, 47, 48, 49, 51, 52, 53	41, 42, 43, 44, 45, 46, 47, 48, 49, 51, 52, 53	
		NOx	321.29	15.49	41, 51, 52	41, 51, 52	
		CO	1,820.15	25.84	41, 51, 52	41, 51, 52	
		SO ₂	1363.23	30.25	41	41	
		H ₂ S	4.12	0.28	41, 53	41, 53	
		PM	17.43	0.83	41, 52, 54	41, 52, 54	
		PM ₁₀	13.81	0.32	41, 52, 54	41, 52, 54	
		PM _{2.5}	13.81	0.32	41, 52, 54	41, 52, 54	
		HCl	0.58	0.03	41	41	
		SAM	2.77	0.06	41	41	
<u>Individual Emission Rate Limits</u>							
35,36	BTX Rx No. 1 Heater	NOx	4.95	21.70	36	36	
		CO	5.50	24.10	36	36	
		SO ₂	3.53	4.63	36	36	
		PM	0.82	3.61	36	36	
		PM ₁₀	0.82	3.61	36	36	
		PM _{2.5}	0.82	3.61	36	36	
		VOC	0.60	2.61	36	36	
37,38	BTX RX No. 2 Heater	NOx	5.40	23.70	36	36	
		CO	6.00	26.30	36	36	

Major NSR Summary Table

Permit Numbers: 6308 and PSDTX137M2					Issuance Date: March 11, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
		SO ₂	3.85	5.06	36	36	
		PM	0.90	3.93	36	36	
		PM ₁₀	0.90	3.93	36	36	
		PM _{2.5}	0.90	3.93	36	36	
		VOC	0.65	2.84	36	36	
33,34	BTX Deptentanizer Reboiler	NO _x	2.48	10.80	36	36	
		CO	2.75	12.00	36	36	
		SO ₂	1.76	2.32	36	36	
		PM	0.41	1.80	36	36	
		PM ₁₀	0.41	1.80	36	36	
		PM _{2.5}	0.41	1.80	36	36	
		VOC	0.30	1.30	36	36	
120	Isom Splitter Reboiler	NO _x	1.60	7.01	36	36	
		CO	3.28	14.40	36	36	
		SO ₂	1.28	1.69	36	36	
		PM	0.30	1.30	36	36	
		PM ₁₀	0.30	1.30	36	36	
		PM _{2.5}	0.30	1.30	36	36	
		VOC	0.22	0.94	36	36	
F-121	Isom Fugitives (5)	VOC	2.63	11.52	26	26	
F-58	Butadiene Saturation Fugitives (5)	VOC	1.05	4.60	26	26	
F-123	MTBE Fugitives (5)	VOC	2.42	10.60	26	26	

Major NSR Summary Table

Permit Numbers: 6308 and PSDTX137M2					Issuance Date: March 11, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
80	DHT-I Charge Heater	NOx	2.16	9.46	36	36	
		CO	2.97	12.99	36	36	
		SO ₂	1.15	3.04	36	36	
		PM	0.27	1.17	36	36	
		PM ₁₀	0.27	1.17	36	36	
		PM _{2.5}	0.27	1.17	36	36	
		VOC	0.19	0.85	36	36	
		SAM	0.01	0.03	36	36	
81	DHT-I Frac. Heater	NOx	1.00	4.38	36	36	
		CO	1.65	7.22	36	36	
		SO ₂	0.64	1.69	36	36	
		PM	0.15	0.65	36	36	
		PM ₁₀	0.15	0.65	36	36	
		PM _{2.5}	0.15	0.65	36	36	
		VOC	0.11	0.47	36	36	
		SAM	0.01	0.02	36	36	
74R	DHT-K Charge Heater	NOx	2.79	12.22	36	36	
		CO	5.11	22.38	36	36	
		SO ₂	1.99	0.23	36	36	
		PM	0.46	2.02	36	36	
		PM ₁₀	0.46	2.02	36	36	
		PM _{2.5}	0.46	2.02	36	36	
		VOC	0.33	1.46	36	36	
		SAM	0.02	0.06	36	36	

Major NSR Summary Table

Permit Numbers: 6308 and PSDTX137M2					Issuance Date: March 11, 2024		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Condition/Application Information	Special Condition/Application Information	Special Condition/Application Information
77	DHT-D Charge Heater	NO _x	3.14	13.70	36	36	
		CO	2.63	11.50	36	36	
		SO ₂	1.03	1.35	36	36	
		PM	0.24	1.04	36	36	
		PM ₁₀	0.24	1.04	36	36	
		PM _{2.5}	0.24	1.04	36	36	
		VOC	0.17	0.76	36	36	
		SAM	0.01	0.02	36	36	

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 CO - carbon monoxide
 Cl₂ - chlorine
 H₂S - hydrogen sulfide
 HCl - hydrogen chloride
 NH₃ - ammonia
 HCN - hydrogen cyanide
- (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) MSS activities and emission points are identified in Attachment C.



Texas Commission on Environmental Quality Air Quality Permit

A Flexible Permit Is Hereby Issued To
Flint Hills Resources Corpus Christi, LLC
Authorizing the Construction and Operation of
Flint Hills Resources East Refinery
Located at Corpus Christi, Nueces County, Texas
Latitude 27.805 Longitude -97.425

Permits: 6308 and PSDTX137M2

Amendment Date: March 11, 2024

Expiration Date: May 13, 2031



For the Commission

- Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. It shall be unlawful for any person to vary from such representation or flexible permit provision if the change will cause a change in the method of control of emissions, the character of the emissions, will relax emission controls or will result in a significant increase in emissions, unless application is made to the executive director to amend the flexible permit in that regard and such amendment is approved by the executive director. [Title 30 Texas Administrative Code (TAC) Sections 116.715(c)(8) and 116.721 (30 TAC § 116.721)]¹
- Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1) the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of \$5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC § 116.120]
- Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC § 116.715(c)(2)]
- Start-up Notification.** The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC § 116.715(c)(3)]
- Sampling Requirements.** If sampling is required, the flexible permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The flexible permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC § 116.715(c)(4)]
- Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to

methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC § 116.715(c)(5)]

7. **Recordkeeping.** A copy of the flexible permit along with information and data sufficient to demonstrate continuous compliance with the emission caps and individual emission limitations contained in the flexible permit shall be maintained in a file at the plant site and made available at the request of personnel from the commission or any air pollution control program having jurisdiction. This information shall include, but is not limited to, emission cap and individual emission limitation calculations based on a 12-month rolling basis; emission cap and individual emission limitation calculations corresponding to any short term emission limitation; production records and operating hours; and additional recordkeeping requirements specified in special conditions attached to the flexible permit. Information in the file shall be retained for at least two years following the date that the information or data is obtained. For facilities that normally operate unattended, this information shall be maintained at the nearest staffed location within Texas specified by the permit holder in the permit application. [30 TAC § 116.715(c)(6)]
8. **Maximum Allowable Emission Rates**A flexible permit covers only those sources of emissions and those air contaminants listed in the table entitled “Emission Sources, Emissions Caps and Individual Emission Limitations” in the flexible permit. Each permitted facility, group of facilities or account is limited to the emission limits and other conditions specified in the table in the flexible permit. [30 TAC § 116.715(c)(7)]¹
9. **Emission Cap Readjustment.** If a schedule to install additional controls is included in the flexible permit and a facility subject to such a schedule is taken out of service, the emission cap contained in the flexible permit will be readjusted for the period the unit is out of service to a level as if no schedule had been established. Unless a special condition specifies the method of readjustment of the emission cap, a permit alteration shall be obtained. [30 TAC § 116.715(c)(9)]
10. **Maintenance of Emission Control.** The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The flexible permit holder shall provide notification in accordance with 30 TAC §101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC § 116.715(c)]
11. **Compliance with Rules.** Acceptance of a flexible permit by an applicant constitutes an acknowledgment and agreement that the flexible permit holder will comply with all rules and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the flexible permit. [30 TAC § 116.715(c)(11)]
12. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
13. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.715(d)]
14. **Emissions** from this facility must not cause or contribute to “air pollution” as defined in Texas Health and Safety Code (THSC) §382.003(3) or violate THSC § 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
15. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit.¹

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

Common Acronyms in Air Permits

°C = Temperature in degrees Celsius
°F = Temperature in degrees Fahrenheit
°K = Temperature in degrees Kelvin
µg = microgram
µg/m³ = microgram per cubic meter
acfm = actual cubic feet per minute
AMOC = alternate means of control
AOS = alternative operating scenario
AP-42 = Air Pollutant Emission Factors, 5th edition
APD = Air Permits Division
API = American Petroleum Institute
APWL = air pollutant watch list
BPA = Beaumont/ Port Arthur
BACT = best available control technology
BAE = baseline actual emissions
bbl = barrel
bbl/day = barrel per day
bhp = brake horsepower
BMP = best management practices
Btu = British thermal unit
Btu/scf = British thermal unit per standard cubic foot or feet
CAA = Clean Air Act
CAM = compliance-assurance monitoring
CEMS = continuous emissions monitoring systems
cfm = cubic feet (per) minute
CFR = Code of Federal Regulations
CN = customer ID number
CNG = compressed natural gas
CO = carbon monoxide
COMS = continuous opacity monitoring system
CPMS = continuous parametric monitoring system
DFW = Dallas/ Fort Worth (Metroplex)
DE = destruction efficiency
DRE = destruction and removal efficiency
dscf = dry standard cubic foot or feet
dscfm = dry standard cubic foot or feet per minute
ED = (TCEQ) Executive Director
EF = emissions factor
EFR = external floating roof tank
EGU = electric generating unit
EI = Emissions Inventory
ELP = El Paso
EPA = (United States) Environmental Protection Agency
EPN = emission point number
ESL = effects screening level
ESP = electrostatic precipitator
FCAA = Federal Clean Air Act
FCCU = fluid catalytic cracking unit
FID = flame ionization detector
FIN = facility identification number
ft = foot or feet
ft/sec = foot or feet per second
g = gram
gal/wk = gallon per week
gal/yr = gallon per year
GLC = ground level concentration
GLCmax = maximum (predicted) ground-level concentration
gpm = gallon per minute
gr/1000scf = grain per 1000 standard cubic feet
gr/dscf = grain per dry standard cubic feet
H₂CO = formaldehyde
H₂S = hydrogen sulfide
H₂SO₄ = sulfuric acid
HAP = hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
HC = hydrocarbons
HCl = hydrochloric acid, hydrogen chloride
Hg = mercury
HGB = Houston/Galveston/Brazoria
hp = horsepower
hr = hour
IFR = internal floating roof tank
in H₂O = inches of water
in Hg = inches of mercury
IR = infrared
ISC3 = Industrial Source Complex, a dispersion model
ISCST3 = Industrial Source Complex Short-Term, a dispersion model
K = Kelvin; extension of the degree Celsius scaled-down to absolute zero
LACT = lease automatic custody transfer
LAER = lowest achievable emission rate
lb = pound
lb/day = pound per day
lb/hr = pound per hour
lb/MMBtu = pound per million British thermal units
LDAR = Leak Detection and Repair (Requirements)
LNG = liquefied natural gas
LPG = liquefied petroleum gas
LT/D = long ton per day
m = meter
m³ = cubic meter
m/sec = meters per second
MACT = maximum achievable control technology
MAERT = Maximum Allowable Emission Rate Table
MERA = Modeling and Effects Review Applicability
mg = milligram
mg/g = milligram per gram
mL = milliliter
MMBtu = million British thermal units
MMBtu/hr = million British thermal units per hour
MSDS = material safety data sheet
MSS = maintenance, startup, and shutdown
MW = megawatt
NAAQS = National Ambient Air Quality Standards
NESHAP = National Emission Standards for Hazardous Air Pollutants
NGL = natural gas liquids
NNSR = nonattainment new source review
NO_x = total oxides of nitrogen
NSPS = New Source Performance Standards

PAL = plant-wide applicability limit
PBR = Permit(s) by Rule
PCP = pollution control project
PEMS = predictive emission monitoring system
PID = photo ionization detector
PM = periodic monitoring
PM = total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
PM_{2.5} = particulate matter equal to or less than 2.5 microns in diameter
PM₁₀ = total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
POC = products of combustion
ppb = parts per billion
ppm = parts per million
ppmv = parts per million (by) volume
psia = pounds (per) square inch, absolute
psig = pounds (per) square inch, gage
PTE = potential to emit
RA = relative accuracy
RATA = relative accuracy test audit
RM = reference method
RVP = Reid vapor pressure
scf = standard cubic foot or feet
scfm = standard cubic foot or feet (per) minute
SCR = selective catalytic reduction
SIL = significant impact levels
SNCR = selective non-catalytic reduction
SO₂ = sulfur dioxide
SOCMI = synthetic organic chemical manufacturing industry
SRU = sulfur recovery unit
TAC = Texas Administrative Code
TCAA = Texas Clean Air Act
TCEQ = Texas Commission on Environmental Quality
TD = Toxicology Division
TLV = threshold limit value
TMDL = total maximum daily load
tpd = tons per day
tpy = tons per year
TVP = true vapor pressure
VOC = volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
VRU = vapor recovery unit or system

Special Conditions

Flexible Permit Numbers 6308 and PSDTX137M2

1. This permit authorizes emissions only from those points listed in the attached table entitled "Emissions Sources, Emissions Caps and Individual Emission Limitations," also referred to as the maximum allowable emission rate table (MAERT), and the facilities covered by this permit are authorized to emit subject to the emission rate limits on that table and other operating conditions specified in this permit.
2. Non-fugitive emissions from relief valves, safety valves, or rupture discs of gases containing volatile organic compounds (VOC) at a concentration of greater than 1 percent are not authorized by this permit unless authorized on the attached table entitled "Emissions Sources, Emissions Caps and Individual Emission Limitations," also referred to as the maximum allowable emission rate table (MAERT). Any releases directly to atmosphere from relief valves, safety valves, or rupture discs of gases containing VOC at a concentration greater than 1 weight percent are not consistent with good practice for minimizing emissions with the exception of safety relief valves that discharge to the atmosphere only as a result of fire, malfunction, or failure of utilities provided that (except pilot-operated relief valves): (a) each valve is equipped with a rupture disc upstream or downstream; (b) a pressure gauge is installed between the relief valve and rupture disc to monitor disc integrity; and (c) all leaking discs are replaced at the earliest opportunity but no later than the next process shutdown.

Federal Applicability

3. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on Standards of Performance for New Stationary Sources promulgated in Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60):
 - A. Subpart A, General Provisions.
 - B. Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units. **(03/24)**
 - C. Subpart J, Standards of Performance for Petroleum Refineries.
 - D. Subpart Ja, Standards of Performance for Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced After May 14, 2007
 - E. Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction or Modification Commenced After July 23, 1984.
 - F. Subpart GGG, Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After January 4, 1983, and on or Before November 7, 2006.
 - G. Subpart GGGa, Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006.
 - H. Subpart QQQ, Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems.
4. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on National Emission Standards for Hazardous Air Pollutants in 40 CFR Part 61:

- A. Subpart A, General Provisions.
 - B. Subpart M, National Emission Standard for Asbestos.
 - C. Subpart BB, National Emission Standard for Benzene Emissions From Benzene Transfer Operations.
 - D. Subpart FF, National Emission Standard for Benzene Waste.
5. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on National Emission Standards for Hazardous Air Pollutants for Source Categories in 40 CFR Part 63:
- A. Subpart A, General Provisions.
 - B. Subpart F, National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry.
 - C. Subpart G, National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry from Process Vents, Storage Vessels, Transfer Operations, and Wastewater.
 - D. Subpart H, National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks.
 - E. Subpart Y, National Emission Standards for Marine Tank Vessel Loading Operations.
 - F. Subpart CC, National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries.
 - G. Subpart UUU, National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units. Emission Standards
 - H. Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.
 - I. Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters.
 - J. Subpart GGGGG, National Emission Standards for Hazardous Air Pollutants: Site Remediation

Emission Standards

6. For purposes of estimating emissions for heaters and boilers after burner upgrades have been installed or for those heaters not being upgraded, the carbon monoxide (CO), nitrogen oxides (NO_x), sulfur dioxide (SO₂), particulate matter (PM), and VOC emissions shall be determined in accordance with the following emission factors unless a continuous emissions monitoring system (CEMS) is required to be installed and operated under Special Condition No. 24. After the installation and calibration of the CEMS, monitoring data collected therein shall be used instead of these emission factors at an individual heater.

CO Emissions

For all heaters, except those specifically identified below, the CO emissions shall be calculated based on the annual fired duty in MMBtu per year (MMBtu/yr) and a CO emission factor of 0.05 pound (lb) CO/MMBtu (higher heating value [HHV]).

The DHT D Charge Heater, DHT I Charge Heater, DHT I Fractionator Heater, DHT K Charge Heater, Clay Tower Heater, SRU SCOT Heater, and ISOM Splitter Reboiler CO emissions shall be calculated based on the annual fuel gas usage and a CO emission factor of 84 lbs CO of million standard cubic feet (MMscf) of fuel gas.

NO_x Emissions

The NO_x emissions shall be calculated based on the annual fired duty in MMBtu/yr and the NO_x emission factor as identified below:

0.152 lb NO_x/MMBtu (HHV) SRU No. 1 SCOT Heater;

0.075 lb NO_x/MMBtu (HHV) Crude II Charge Heater A, Hydrobon Charge Heater, DIH B Heater, Hydrobon Reboiler (Hourly);

0.05 lb NO_x/MMBtu (HHV) DHT I Fractionator Heater;

0.06 lb NO_x/MMBtu (HHV) DHT I Charge Heater;

0.055 lb NO_x/MMBtu (HHV) FCCU II Charge Heater and Hydrobon Reboiler(Annual);

0.045 lb NO_x/MMBtu (HHV) BTX Rx No. 1 Heater, BTX Rx No. 2 Heater, and BTX Depentanizer Reboiler, DHT K Charge Heater; and

0.04 lb NO_x/MMBtu (HHV) Isom Splitter Reboiler.

The DHT-D Charge Heater NO_x and Sulfolane Clay Tower Heater emissions shall be calculated based on the annual fuel gas usage and a NO_x emission factor of 100 lbs NO_x/MMscf of fuel gas.
(03/24)

SO₂ Emissions

The SO₂ emissions shall be calculated on the annual fuel gas usage and the measured hydrogen sulfide (H₂S) concentration in the fuel gas as determined by Special Condition No. 34 and assuming 100 percent conversion of H₂S to SO₂.

PM Emissions

The PM emissions for all heaters shall be calculated based on the annual fuel gas usage and the PM emission factor of 7.6 lb PM/MMscf fuel gas.

VOC Emissions

The VOC emissions for all heaters shall be calculated based on the annual fuel gas usage and the VOC emission factor of 5.5 lb VOC/MMscf fuel gas.

- For purposes of estimating emissions, the CO, NO_x, and SO₂ emissions for the FCCU II Catalyst Regenerator Scrubber shall be determined using the CEMS monitoring data collected under Special Condition No. 24.

The maximum allowable concentrations of the following pollutants in the FCCU scrubber stack are:

Pollutant	Concentration Limit
CO	500 ppmvd (hourly*) 125 ppmvd (annual**)
NO _x	500 ppmvd @ 0% O ₂ (hourly*) 20 ppmvd @ 0% O ₂ (annual**)
SO ₂	250 ppmvd @ 0% O ₂ (hourly*) 50 ppmvd @ 0% O ₂ (7-day average***) 25 ppmvd @ 0% O ₂ (annual**)

* Hourly – averaged over a one-hour period
 ** Annual – averaged over a rolling 365-day period
 *** 7-day average - averaged over a 7-day period

An ambient oxygen concentration of 20.9 percent shall be used when correcting emissions to zero percent oxygen.

PM and VOC emissions shall be determined in accordance with the following emission factors:

Pollutant	Concentration Limit
VOC	100 ppmvd, air-free basis hourly average 10 ppmvd, air-free basis annual average
PM	1 lb PM per 1,000 lb coke burn-off

- The NO_x emissions in the stack gases from the following EPNs shall not exceed the following, averaged on a three-hour rolling average basis at the maximum fired capacity:

<u>EPN</u>	<u>Description</u>	<u>Maximum Heat Specific (lb/MMBtu, HHV)</u>
35, 36	BTX Rx No. 1 Heater	0.045
37, 38	BTX Rx No. 2 Heater	0.045
33, 34	BTX Depentanizer Reboiler	0.045
120	Isom Splitter Reboiler	0.040
74R	DHT-K Replacement Charge Heater	0.045

The NO_x limit of each heater above shall not apply when that heater fires below 20 percent of its firing rate capacity (low load), so long as NO_x emissions remain below the NO_x cap limits. Low load operating conditions shall be limited to 876 hours per year per heater.

9. The opacity of emissions from any source other than East Boiler A (EPN 95) of this permit shall not exceed 15 percent averaged over a six-minute period. Opacity shall be determined by EPA Reference Method 9. Opacity of emissions from East Boiler A (EPN 95) must not exceed 5 percent averaged over a six-minute period except for those periods described in Title 30 Texas Administrative Code § 111.111(a)(1)(E). **(03/24)**
10. Flare and/or marine vapor combustor emissions shall be calculated using the Texas Commission on Environmental Quality (TCEQ)-approved flare factors for NO_x and CO emissions according to the following table. Do not use AP-42 factors.

Type Flare	Waste Gas Heating Value	Emission Factor	
		NO _x (lbs/MMBtu)	CO (lbs/MMBtu)
Steam	Hi Btu (>1,000 Btu/scf)	0.0485	0.3503
Steam	Low Btu	0.068	0.3465
Air/Unassisted	High Btu	0.138	0.2755
Air/Unassisted	Low Btu (192-1,000 Btu/scf)	0.0641	0.5496

For VOC, use 98 percent (99 percent for C2s and C3s) control.

11. The West Flare (EPN FL-28) may be used as a backup for the Main Flare (EPN FL-97).
12. Flares shall be designed and operated in accordance with the following requirements:
 - A. The flare systems shall be designed such that the combined assist natural gas and waste stream to each flare meets the 40 CFR § 60.18 specifications of minimum heating value and maximum tip velocity under normal, upset, and maintenance flow conditions.

The heating value and velocity requirements shall be satisfied during operations authorized by this permit. Flare testing per 40 CFR § 60.18(f) may be requested by the appropriate TCEQ Regional Office (or is required per any applicable New Source Performance Standards [NSPS] subpart) to demonstrate compliance with these requirements.
 - B. Flares shall be operated with a flame present at all times and/or have a constant pilot flame. The pilot flame shall be continuously monitored by a thermocouple or an infrared monitor. The time, date, and duration of any loss of pilot flame shall be recorded. Each monitoring device shall be accurate to, and shall be calibrated at a frequency in accordance with, the manufacturer's specifications.
 - C. Flares shall be operated with no visible emissions except periods not to exceed a total of five minutes during any two consecutive hours.
 - D. If a planned process unit start-up or shutdown emissions have the potential to be routed to the flare system rather than, or in addition to, the flare gas recovery system, the permit holder shall determine the volume of assist gas that will be necessary to add to ensure the waste gas heating value specified in part A of this condition is met at all times during the evolution. Records of the detailed calculations shall be maintained including the volume of the process unit, the time the inert purge was commenced and the volumetric flow rate, the time and rate at which assist gas was added to the waste gas stream, and when flaring was complete.

- E. A waste gas sample shall be taken every two hours when planned maintenance, start-up, and shutdown (MSS) emissions are routed to the flare system. Samples shall be analyzed in accordance with FHR Analytical Method 0024 or equivalent method as approved by the Regional Office prior to use to determine total VOC concentration and other potential constituents (e.g., hydrogen, hydrogen sulfide, nitrogen, methane, and carbon dioxide) sufficient to determine the molecular weight and net heating value of the gas combusted in the flare to within 5.0 percent. The results shall be used to demonstrate compliance with the Special Condition No. 12.A and the MAERT.

Sulfur Recovery Units (SRU)

- 13. The total sulfur recovered from the SRU No. 1 and No. 2 combined shall not exceed 116 long tons per day based on a seven-day rolling average.
- 14. When SRU No. 1 operates at greater than 10 LTPD, its minimum sulfur recovery efficiency shall be 99.82 percent (7-day rolling average). When SRU No. 1 operates at or less than 10 LTPD, its minimum sulfur recovery efficiency shall be 98 percent (7-day rolling average).

When SRU No. 2 operates at greater than 10 LTPD, its minimum sulfur recovery efficiency shall be 99.8 percent (7-day rolling average). When SRU No. 2 operates at or less than 10 LTPD, its minimum sulfur recovery efficiency shall be 99.41 percent (7-day rolling average).

The sulfur recovery efficiency shall be determined by calculation as follows:

$$\text{Efficiency} = \frac{(\text{S recovered})(100)}{(\text{S recovered}) + (\text{S incinerator})}$$

Where:

Efficiency = sulfur recovery efficiency, percent

S recovered = elemental sulfur delivered into pit, lbs per week (lbs/wk)

S incinerator = sulfur in incinerator stack, lbs/wk

The average sulfur recovery efficiency shall be demonstrated by a mass balance calculation using data obtained from the incinerator stack SO₂ monitor, sulfur production records, and other process flow data. Records and copies of the compliance calculations shall be maintained on-site for review by TCEQ personnel.

- 15. The sour water stripper surge system shall have a minimum on-line retention time of 2.5 days.
- 16. All tail gas from the SRU shall be routed to the SCOT Tail Gas Treating Unit (TGTU).
- 17. The CO emission rates listed on the MAERT for the tail gas incinerator (TGI) Stack, EPN S-84, are based upon a maximum CO concentration of 100 parts per million by volume (ppmv) in the TGI exhaust gas.

18. Vapors from sulfur truck loading shall be routed either back to the sulfur pit, back to the SRU front-end, or to the TGI. Sulfur pit vapors shall be routed to either the SRU front-end or to the TGI except during periods of sulfur pit or eductor maintenance.
19. The TGI firebox exit temperature shall be continuously monitored and recorded. The minimum hourly average TGI firebox chamber temperature shall be 1000°F during normal operating conditions. The monitoring data must consist of a minimum of four equally-spaced data points for each one-hour period. Up to 5 percent invalid monitoring data on a rolling 12-month basis is acceptable provided it is only generated when the monitor is broken down, out-of-control (producing inaccurate data), being repaired, having maintenance performed, or being calibrated. The data availability shall be calculated as the total SRU TGI operating minutes for which quality-assured data was recorded divided by the total SRU TGI operating minutes. The measurements missed shall be estimated using engineering judgment and the methods used recorded.
20. Sulfur load shedding plans shall be reviewed annually and updated as necessary to ensure that potential unauthorized sulfur compound emissions are minimized if an upset or unplanned MSS should occur. Emissions associated with such events are not authorized by this permit.
21. Nitrogen oxides (NO_x), carbon monoxide (CO), and ammonia emissions from the East Boiler No. A (EPN 95) shall not exceed the following rates/concentrations (concentrations are corrected to 3 percent oxygen). **(03/24)**

Pollutant	Emission Limit
NO _x	0.015 lb/MMBtu (3-hr rolling average)
CO	50 ppmvd corrected to 3 percent oxygen O ₂ (3-hr rolling average)
Ammonia	10 ppmvd corrected to 3 percent oxygen O ₂ (3-hr rolling average)

The limits above shall not apply when the boiler fires below 30 percent of its firing rate capacity (low load), so long as NO_x, CO, and ammonia emissions remain below the emission rate caps. Low load operating conditions shall be limited to 876 hours per year. Hours of East Boiler A operation at or below 30 percent load shall not count against the 876 hours per year restriction if emissions are maintained below these limits.

The ammonia limit shall not apply when the boiler is operating at or above 10 percent excess oxygen so long as ammonia emissions remain below the emission rate caps.

Initial Stack Testing

22. The holder of this permit shall perform initial stack sampling and other stack testing as required within 60 days after achieving the maximum production rate at which the new or modified facility will be operated but no later than 180 days after initial start-up of the new or modified facilities.

A. Initial stack sampling shall be required for the following facilities:

- (1) FCCU II Catalyst Regenerator Scrubber.
- (2) Crude II Charge Heater A, BTX Rx Nos. 1 and 2 Heaters, FCCU II Charge Heater, Hydrobon Charge Heater or Reboiler, BTX Depent Heater, Isom Splitter Reboiler, and DIH Heater B.
- (3) TGI Stack from SRU No. 1 (EPN S-84) and TGI Stack from SRU No. 2 (EPN S-85).
- (4) DHT-K Replacement Charge Heater (EPN 74R).

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

B. The appropriate TCEQ Regional Office in the region where the source is located shall be contacted as soon as testing is scheduled but not less than 30 days prior to sampling to schedule a pretest meeting.

The notice shall include:

- (1) Date for pretest meeting.
- (2) Date sampling will occur.
- (3) Name of firm conducting sampling.
- (4) Type of sampling equipment to be used.
- (5) Method or procedure to be used in sampling.

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

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

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

C. Air contaminants emitted from the FCCU Catalyst Regenerator Scrubber to be tested for include (but are not limited to) CO, NO_x, PM, SO₂, and VOC. Opacity shall be determined by a trained observer.

Air contaminants emitted from the various process heaters and boilers to be tested for include (but are not limited to) CO and NO_x.

Air contaminants emitted from the TGI Exhaust Stacks (EPNs S-84 and S-85) to be tested for include (but are not limited to) SO₂ and CO.

- D. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office. Additional time to comply with the applicable requirements of 40 CFR Part 60 and 40 CFR Part 61 requires the EPA approval, and requests shall be submitted to the appropriate regional office.
 - E. The facility shall operate at maximum production rates during stack emission testing. Primary operating parameters that enable determination of production rate shall be monitored and recorded during the stack test. These parameters are to be determined at the pretest meeting. If the facility is unable to operate at maximum rates during testing, then future production rates may be limited to the rates established during testing. Additional stack testing may be required when higher production rates are achieved.
 - F. A copy of the final sampling report shall be forwarded to the TCEQ within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions of Chapter 14 of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:
 - One copy to the TCEQ Corpus Christi Regional Office.
 - G. For the following symmetrical heaters having two stacks (Hydrobon Charge Heater and Reboiler, BTX Rx Nos. 1 and 2, BTX Depentanizer Heater, and DIH Heaters B):
 - (1) It is permissible to sample one stack for pollutants and measure only the exhaust flow from the second identical stack. Concentrations from the sampling shall be used in combination with the measured flow rate for calculation of emission rates.
 - (2) If the measured exhaust flow varies between two symmetrical stacks by greater than 10 percent, both stacks will be required to be sampled one after another with no greater than 48 hours between the first stack sampling and the second.
23. Additional stack testing may be required when higher production rates are achieved, except where the source is equipped with a CEMS that analyzes the applicable pollutants described in Special Condition No. 22.C.

Continuous Demonstration of Compliance

24. The holder of this permit shall install, calibrate, maintain a CEMS, and record the in-stack concentrations of the contaminants as specified below:
- BTX Rx Nos. 1 and 2 Heaters, Crude II Charge Heater A: NO_x, CO, and oxygen (O₂)
- FCCU II Catalyst Regenerator Scrubber: NO_x, CO, SO₂, and O₂
- TGI Exhaust Stacks, EPNs S-84 and S-85: O₂ and SO₂
- East Boiler No. A: NO_x, CO, and oxygen (O₂) **(03/24)**
- The monitoring systems shall meet the following requirements:
- A. The CEMS shall meet the design and performance specifications, pass the field tests, and meet the installation requirements and the data analysis and reporting requirements specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B.

If there are no applicable performance specifications in 40 CFR Part 60, Appendix B, contact the TCEQ Office of Air, Air Permits Division for requirements to be met.

- B. Section 1 below applies to sources subject to the quality-assurance requirements of 40 CFR Part 60, Appendix F; Section 2 applies to all other sources:
- (1) The permit holder shall assure that the CEMS meets the applicable quality-assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1. Relative accuracy exceedances, as specified in 40 CFR Part 60, Appendix F, § 5.2.3 and any CEMS downtime shall be reported to the appropriate TCEQ Regional Manager in the periodic CEMS reports, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Manager. Downtime is not considered to include periods when the CEMS is operational but the 24-hour span drift exceeds the allowable amounts.
 - (2) The system shall be zeroed and spanned daily and corrective action taken when the 24-hour span drift exceeds two times the amounts specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B, or as specified by the TCEQ if not specified in Appendix B. Zero and span are not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days, unless the monitor is required by a subpart of NSPS or NESHAPS in which case zero and span shall be done daily without exception.
- Each monitor shall be quality-assured at least quarterly using cylinder gas audits (CGA) in accordance with 40 CFR Part 60, Appendix F, Procedure 1, § 5.1.2, with the following exception: a RATA is not required once every four quarters (i.e., four successive quarterly CGA may be conducted). An equivalent quality assurance method approved by the TCEQ may also be used. Successive quarterly audits shall occur no closer than two months.
- All CGA exceedances of ± 15 percent accuracy indicate that the CEMS is out of control.
- C. The monitoring data shall be reduced to hourly average concentrations at least weekly, using a minimum of four equally-spaced data points from each one-hour period. The individual average concentrations shall be reduced to units of the permit allowable ER in pounds per hour (lb/hr) at least once every calendar quarter (except for O₂).
- D. All monitoring data and quality-assurance data shall be maintained by the source. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit.
- E. The appropriate TCEQ Regional Office shall be notified at least 30 days prior to any required initial RATA in order to provide them the opportunity to observe the testing.
- F. Quality-assured (or valid) data must be generated by the CEMS when the source it monitors is operating except during the performance of a daily zero and span check. Loss of valid data by the CEMS due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the source it monitors is operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgement and the methods used recorded. Options to increase system reliability to an acceptable value, including a redundant CEMS, may be required by the TCEQ Regional Manager.
- G. For East Boiler A (EPN 95) the 40 CFR Part 75 is deemed an acceptable alternative to the performance specifications and quality assurance requirements of 40 CFR Part 60. **(03/24)**

25. As specified in the Alternative Monitoring Plan approved by EPA on July 31, 2018, allowing parametric monitoring in lieu of COMS, FHR shall continuously monitor and record the actual throat velocity and liquid flow of the FCCU II Wet Gas Scrubber (WGS) and the exhaust gas flow of the FCCU II regenerator. Records of the FCCU II WGS throat velocity and liquid flow and FCCU II regenerator exhaust gas flow shall be maintained for five years and made available upon request. The FCCU II WGS operating parameters listed below shall be maintained within the following operating permit limits (OPLs).

- (1) Minimum Liquid-to-Gas Ratio (L/G): The minimum hourly rolling average L/G ratio shall be 0.0153 gal/dscf. **(10/22)**
- (2) Throat Velocity Ratio (TVR): The actual throat velocity shall be maintained such that the throat velocity ratio, as calculated below, is greater than 1.0 but less than 2.0.

$$\text{TVR} = \frac{\text{Actual Throat Velocity, fps}}{\text{Minimum Design Throat Velocity, fps}}$$

Compliance with the above OPLs is determined on an hourly rolling average basis. Any parameter values that are not within the OPLs listed shall be reported as a deviation.

FHR shall conduct performance tests at least once every five years in order to verify that the established values for OPLs are still representative of facility operations and WGS performance, or in order to determine new representative values. A copy of each performance test report must be submitted to EPA and TCEQ, along with any changes to the prior OPL values resulting from the data obtained during testing at the FCCU II WGS.

Up to 5 percent invalid monitoring data on a rolling 12-month basis is acceptable provided it is only generated when the monitor is broken down, out-of-control (producing inaccurate data), being repaired, having maintenance performed, or being calibrated. The data availability shall be calculated as the total operating minutes for which quality-assured data was recorded divided by the total operating minutes. The measurements missed shall be estimated using engineering judgment and the methods used recorded.

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

26. Except as may be provided for in the special conditions of this permit, the following requirements apply to the above-referenced equipment.
- A. These conditions shall not apply (1) where the VOC have an aggregate partial pressure or vapor pressure of less than 0.044 pound per square inch, absolute (psia) at 68°F or (2) operating pressure is at least 5 kilopascals (0.725 psi) below ambient pressure. Equipment excluded from this condition shall be identified in a list or by one of the methods described below to be made readily available upon request.
The exempted components may be identified by one or more of the following methods:
 - (1) piping and instrumentation diagram (PID);
 - (2) a written or electronic database or electronic file;
 - (3) color coding;
 - (4) a form of weatherproof identification; or

- (5) designation of exempted process unit boundaries.
- B. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable ANSI, API, ASME, or equivalent codes.
- C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical. New and reworked buried connectors shall be welded.
- D. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak checking during plant operation. Difficult to monitor and unsafe to monitor valves, as defined by Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), shall be identified in a list to be made readily available upon request. The difficult to monitor and unsafe to monitor valves may be identified by one or more of the methods described in subparagraph A above. If an unsafe to monitor component is not considered safe to monitor within a calendar year, then it shall be monitored as soon as possible during safe to monitor times. A difficult to monitor component for which quarterly monitoring is specified may instead be monitored annually.
- E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two inch diameter. Gas or hydraulic testing of the new and reworked piping connections at no less than operating pressure shall be performed prior to returning the components to service or they shall be monitored for leaks using an approved gas analyzer within 15 days of the components being returned to service. Adjustments shall be made as necessary to obtain leak free performance. Connectors shall be inspected by visual, audible, and/or olfactory means at least weekly by operating personnel walk through.

Each open ended valve or line shall be equipped with an appropriately sized cap, blind flange, plug, or a second valve to seal the line. Except during sampling and maintenance, both valves shall be closed. The sealing device may be removed only while a sample is being taken or during maintenance operations, and when closing the line, the upstream valve shall be closed first.

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

A check of the reading of the pressure sensing device to verify disc integrity shall be performed weekly and recorded in the unit log or equivalent. Pressure sensing devices that are continuously monitored with alarms are exempt from recordkeeping requirements specified in this paragraph.

The gas analyzer shall conform to requirements listed in Method 21 of 40 CFR Part 60, Appendix A. The gas analyzer shall be calibrated with methane. In addition, the response factor of the instrument for a specific VOC of interest shall be determined and meet the requirements of Section 8 of Method 21. If a mixture of VOCs are being monitored, the response factor shall be calculated for the average composition of the process fluid. A calculated average is not required when all of the compounds in the mixture have a response factor less than 10 using methane. If a response factor less than 10 cannot be achieved using methane, then the instrument may be calibrated with one of the VOC to be measured

or any other VOC so long as the instrument has a response factor of less than 10 for each of the VOC to be measured.

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

- G. Except as may be provided for in the special conditions of this permit, all pump, compressor, and agitator seals shall be monitored with an approved gas analyzer at least quarterly or be equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. Seal systems designed and operated to prevent emissions or seals equipped with an automatic seal failure detection and alarm system need not be monitored. These seal systems may include (but are not limited to) dual pump seals with barrier fluid at higher pressure than process pressure, seals degassing to vent control systems kept in good working order, or seals equipped with an automatic seal failure detection and alarm system. Submerged pumps or sealless pumps (including, but not limited to, diaphragm, canned, or magnetic driven pumps) may be used to satisfy the requirements of this condition and need not be monitored.
- H. Damaged or leaking valves or connectors found to be emitting VOC in excess of 500 parts per million by volume (ppmv) or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. Damaged or leaking pump, compressor, and agitator seals found to be emitting VOC in excess of 2,000 ppmv or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. A first attempt to repair the leak must be made within 5 days. Records of the first attempt to repair shall be maintained.
- I. Every reasonable effort shall be made to repair a leaking component, as specified in this paragraph, within 15 days after the leak is found. If the repair of a component would require a unit shutdown that would create more emissions than the repair would eliminate, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging within 15 days of the detection of the leak. A listing of all components that qualify for delay of repair shall be maintained on a delay of repair list. The cumulative daily emissions from all components on the delay of repair list shall be estimated by multiplying by 24 the mass emission rate for each component calculated in accordance with the instructions in 30 TAC § 115.782(c)(1)(B)(i)(II). The calculations of the cumulative daily emissions from all components on the delay of repair list shall be updated within ten days of when the latest leaking component is added to the delay of repair list. When the cumulative daily emission rate of all components on the delay of repair list times the number of days until the next scheduled unit shutdown is equal to or exceeds the total emissions from a unit shutdown as calculated in accordance with 30 TAC § 115.782(c)(1)(B)(i)(I), the TCEQ Regional Manager and any local programs shall be notified and may require early unit shutdown or other appropriate action based on the number and severity of tagged leaks awaiting shutdown. This notification shall be made within 15 days of making this determination.
- J. Records of repairs shall include date of repairs, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of instrument monitoring shall indicate dates and times, test methods, and instrument readings. The instrument monitoring record shall include the time that monitoring took place for no less than 95 percent of the instrument readings recorded. Records of physical inspections shall be noted in the operator's log or equivalent.

- K. Alternative monitoring frequency schedules of 30 TAC §§ 115.352 - 115.359 or National Emission Standards for Organic Hazardous Air Pollutants, 40 CFR Part 63, Subpart H, may be used in lieu of Items F through G of this condition.
 - L. Compliance with the requirements of this condition does not assure compliance with requirements of 30 TAC Chapter 115, an applicable NSPS, or an applicable NESHAPS and does not constitute approval of alternative standards for these regulations.
 - M. As an alternative to comparing the daily emission rate of the components on the delay of repair (DOR) list to the total emissions from a unit shutdown per the requirements of Special Condition No. 26, Subparagraph I, the cumulative hourly emission rate of all components on the DOR list may be compared to ten percent of the fugitive short term allowable on the Maximum Allowable Emission Rate Table in order to determine if the TCEQ Regional Director and any local program is to be notified. In addition, the hourly emission rates of each specific compound on the DOR list must be less than ten percent of the speciated hourly fugitive emission rate of the same compound.
27. Instead of the leak definition of 2,000 ppmv specified in Special Condition No. 26.H for pump and compressor seals in the Hydrobon Unit, the Isomerization Unit, and the MTBE Unit, the permit holder shall use a leak definition of 500 ppmv.
28. Piping, Valves, Connectors, Pumps and Compressors in H₂S Service (SRU Nos. 1 and 2, Sour Water Stripper, E11TK323, E11TKS7, E11TKS8 and E11TKS30)
- A. Audio, olfactory, and visual checks for H₂S leaks within the operating area shall be made once per shift.
 - B. Immediately, but no later than one hour upon detection of a leak, plant personnel shall take the following actions:
 - (1) Isolate the leak.
 - (2) Commence repair or replacement of the leaking component.
 - (3) Use a leak collection and containment system to prevent the leak until repair or replacement can be made if immediate repair is not possible.

Date and time of each inspection shall be noted in the operator's log or equivalent. Records shall be maintained at the plant site of all repairs and replacements made due to leaks.
29. Piping, Valves, Pumps, and Compressors in NH₃ Service: **(03/24)**
- A. Audio, olfactory, and visual checks for leaks within the operating area shall be made once per shift.
 - B. Immediately, but no later than one hour upon detection of a leak, plant personnel shall take at least one of the following actions:
 - (1) Isolate the leak.
 - (2) Commence repair or replacement of the leaking component.
 - (3) Use a leak collection/containment system to prevent the leak until repair or replacement can be made if immediate repair is not possible.

Date and time of each inspection shall be noted in the operator's log or equivalent. Records shall be maintained at the plant site of all repairs and replacements made due to leaks. These records shall be made available to representatives of the Texas Commission on Environmental Quality (TCEQ) upon request.

Storage and Loading of VOC

30. Storage tanks are subject to the following requirements. The control requirements specified in paragraphs A-D of this condition shall not apply (1) where the VOC has an aggregate partial pressure of less than 0.50 psia at the maximum feed temperature or 95°F, whichever is greater, or (2) to storage tanks smaller than 25,000 gallons.
- A. An internal floating deck or "roof" or equivalent control shall be installed in all tanks. The floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof: (1) a liquid mounted seal, (2) two continuous seals mounted one above the other, or (3) a mechanical shoe seal.
 - B. An open top tank containing a floating roof (external floating roof tank) which uses double seal or secondary seal technology shall be an approved control alternative to an internal floating roof tank provided the primary seal consists of either a mechanical shoe seal or a liquid-mounted seal and the secondary seal is rim-mounted. A weathershield is not approvable as a secondary seal unless specifically reviewed and determined to be vapor-tight.
 - C. For any tank equipped with a floating roof, the permit holder shall: **(10/22)**
 - (1) Perform the visual inspections and seal gap measurements as specified in Title 40 Code of Federal Regulation § 60.113b (40 CFR § 60.113b) Testing and Procedures (as amended at 54 FR 32973, Aug. 11, 1989) to verify fitting and seal integrity.
 - (2) As an alternative to §60.113b the permit holder may perform the visual inspections and seal gap measurement in accordance with §63.1063(d) of 40 CFR Part 63, Subpart WW as allowed by 40 CFR §60.110b(e) [as amended at 86 FR 5013, Jan. 19, 2021].
 - (3) Records shall be maintained of the dates seals were inspected and seal gap measurements made, results of inspections and measurements made (including raw data), and actions taken to correct any deficiencies noted.
 - D. The floating roof design shall incorporate sufficient flotation to conform to the requirements of API Code 650 dated November 1, 1998 except that an internal floating cover need not be designed to meet rainfall support requirements and the materials of construction may be steel or other materials.
 - E. Except for logos, slogans, identification numbers and similar displays (not to exceed 15 percent of the vertical tank shell area), uninsulated tank exterior surfaces exposed to the sun shall be white or aluminum. Storage tanks must be equipped with permanent submerged fill pipes.
 - F. The permit holder shall maintain an emissions record which includes calculated emissions of VOC from all storage tanks during the previous calendar month and the past consecutive 12-month period. The record shall include tank identification number, control method used, tank capacity in gallons, name of the material stored, VOC molecular weight, VOC monthly average temperature in degrees Fahrenheit, VOC vapor pressure at the monthly average material temperature in psia, VOC throughput for the previous month and year to date.

Records of VOC monthly average temperature are not required to be kept for unheated tanks which receive liquids that are at or below ambient temperatures.

Emissions for tanks shall be calculated using: the TCEQ publication titled "Technical Guidance Package for Chemical Sources - Storage Tanks."

- G. The permit holder shall maintain a record of tank throughput for the previous month and the past consecutive 12-month period for each tank.
31. The following applies when storing sour water in tanks E11TK323, E11TKS7, E11TKS8 or E11TKS30:
- A. Sour water may be stored in two of the following tanks at one time: E11TK323 and one of the tanks E11TKS7, E11TKS8 or E11TKS30. When transferring from one tank to another, sour water may be stored in more than two tanks.
 - B. The hydrogen sulfide concentration in the distillate or crude oil layer shall not exceed 200 ppmw in any sample from tanks E11TK323, E11TKS7, E11TKS8 and E11TKS30.
 - C. Compliance with the H₂S concentration limits shall be demonstrated by sampling the distillate or crude oil layer in each tank monthly, using a Lead Acetate Paper (LAP) Test (ASTM D5705 – Standard Test Method for Measurement of Hydrogen Sulfide in the Vapor Phase Above Residual Fuel Oils with the following modifications: 1) lead acetate paper shall be used rather than stain detector tubes; 2) sample collection shall be in accordance with ASTM D4057; 3) the crude or distillate shall not be heated; 4) the vapor space shall not be purged with nitrogen; and 5) the headspace of the sample shall be tested as received.) A negative LAP test result shall indicate that the H₂S concentration of the material is below the limits and shall be recorded as a concentration of 0.0297 ppmw. Should an LAP test indicate a positive result, further analysis shall be completed via Lead Acetate Reaction Rate testing for H₂S in crude oil (ASTM D4084-82 – Standard Test Method for Analysis of Hydrogen Sulfide in Gaseous Fuels; ASTM D4468-85, Standard Test Method for Total Sulfur in Gaseous Fuels by Hydrogenolysis and Rateometric Colorimetry; and ASTM D4045-81, Standard Test Method for Sulfur in Petroleum Products by Hydrogenolysis and Rateometric Colorimetry; or subsequently approved ASTM methods) utilizing an Analytical Systems International Keco 205L H₂S in Liquids Analyzer or subsequent generation equivalent analyzer to demonstrate compliance with the H₂S limits. The H₂S analyzer shall be calibrated according to manufacturer recommendations. The permit holder shall calculate and record a rolling 12-month average H₂S concentration. Records of the H₂S sampling, test method(s) used, and H₂S concentrations shall be maintained on site for a period of five years and shall be made readily available to representatives of the TCEQ upon request.
 - D. The true vapor pressure of any liquid stored in tanks E11TK323, E11TKS7, E11TKS8 and E11TKS30 shall not exceed 11.0 psia.
32. The following apply to the storage of benzene, toluene, and xylene.
- A. The storage of benzene, toluene, and xylene is limited to the following tanks unless additional storage is authorized by a permit amendment, alteration, or permit by rule pursuant to 30 TAC § 116.721, except as stated in section B of this condition:
 - Benzene - Storage Tanks E12TK145 and E12TK146, but not at the same time.
 - Toluene - Storage Tanks E11TKS21, E11TKS23, and E11TKS32.
 - Xylene - Storage Tanks E11TKS23, E11TKS32, and E11TKS21

- B. Toluene may be stored in an alternate storage tank provided the following conditions are met:
- (1) The replacement tank is not closer to the nearest resident.
 - (2) The hourly and total emission cap for toluene is not exceeded.
 - (3) An alteration request shall be submitted within 30 days of the change of service to identify the replacement tank and alter the permit conditions to reflect this change.

Operating Parameters and Conditions

33. The VOC associated with cooling tower water shall be monitored in accordance with the provisions of Attachment D of the permit. Confirmed leaks shall be repaired and corrections shall be confirmed within the timelines prescribed in Attachment D of the permit. The results of the monitoring and maintenance efforts shall be recorded, and such records shall be maintained for a period of five years. The records shall be made available to the TCEQ Executive Director upon request.
34. Fuel used in the process heaters and East Boiler No. A shall be limited to either natural gas, plant gas, or a combination of natural gas and plant gas. The H₂S concentration shall be monitored and recorded in accordance with NSPS Subpart J or Ja, as applicable. Use of any other fuels will require prior approval of the Executive Director of the Texas Commission on Environmental Quality (TCEQ). **(03/24)**

Upon request by the Executive Director of the TCEQ or any local air pollution control program having jurisdiction, the holder of this permit shall provide a sample and/or an analysis of the fuels utilized in this facility or shall allow air pollution control agency representatives to obtain a sample for analysis.

35. Modifications evaluated under the actuals-to-projected actuals (ATPA) applicability test.
- A. The permittee shall comply with the monitoring, recordkeeping and reporting requirements of 30 TAC §116.127 with respect to the facilities identified in the following paragraphs.
 - B. The modification authorized by permit amendment (PI-1 application received January 2018) which revised prior permit application representations and thereby allowed sour water to be stored in E11TK323, E11TKS30, E11TKS7, and E11TKS8, was based on the use of the ATPA applicability test for certain facilities.
 - C. The modification authorized by permit amendment (PI-1 application received September 2022) which incorporated tanks (E11TK330, E340SCT246, E10SCT248, E0320D128, E23SCT250, PORTTO, and TEMPCARB) previously authorized under Permit-By-Rule, Standard Permit, and Subchapter B Permit, was based on the use of the ATPA applicability test for certain facilities. **(03/24)**

The projected actual emissions for facilities where the ATPA applicability test has been employed are as follows:

FIN	EPN	Source Name	Air Contaminant	Projected Actual Emission rate (tons per year)
E11TK323	E11TK323	Tank 323	VOC	5.63
E11TKS30	E11TKS30	Tank 30	VOC	4.29
E11TKS7	E11TKS7	Tank 7	VOC	8.52
E11TKS8	E11TKS8	Tank 8	VOC	7.66
E11TK330	E11TK330	Tank 330	VOC	1.03
E340SCT246	E340SCT246	Anodamine Tote	VOC	0.003
E10SCT248	E10SCT248	Anodamine Tote	VOC	0.003
E0320D128	E0320D128	Spent Caustic Tank	VOC	0.059
E23SCT250	E23SCT250	Anodamine Tote	VOC	0.003
E11TK323	PORTTO	Tank E11TK323 Thermal Oxidizer	VOC	1.52
E14TK531	TEMPCARB	Temporary CAS with H2S Scrubber	VOC	1.03
PORTTO	PORTTO	Temporary Thermal Oxidizer	PM/PM ₁₀ /PM _{2.5}	0.50
PORTTO	PORTTO	Temporary Thermal Oxidizer	CO	5.39
PORTTO	PORTTO	Temporary Thermal Oxidizer	NO _x	3.94
E14TK531	TEMPCARB	Temporary CAS with H2S Scrubber	H ₂ S	0.0001

Total actual emissions from the above-referenced facilities shall be monitored and recorded in accordance with 30 TAC §116.127(b).

Recordkeeping

36. The following records shall be kept quarterly for the purposes of demonstration of compliance with the emission cap. Compliance with the MSS emission caps shall be demonstrated monthly as identified in Special Condition No. 40.

- A. Hourly and daily fuel usage records for East Boiler No. A and all heaters authorized by this permit. **(03/24)**
- B. The CEMS data collected as required by Special Condition No. 24.
- C. Hourly and daily cooling tower circulation rates.
- D. All emissions calculated to determine compliance with an emission cap shall be calculated quarterly as described below to provide an accumulated total annual emission for comparison with the established annual emission caps.

For the purposes of demonstration of compliance with the annual emission cap, all FCCU II Regenerator Scrubber, heater, marine vapor combustor, cooling tower, and tank emissions must be calculated quarterly and the monthly emissions and 12-month rolling annual total must be recorded.

The average fuel usage shall be used to calculate quarterly the average monthly firing rate and emission rate for the heaters authorized under this permit.

The emissions from the cooling towers shall be calculated based on the average monthly circulation rate.

The emissions from all IFR tanks, all EFR tanks, and all fixed-roof tanks shall be calculated based on the records identified in Special Condition No. 30.G. As an alternative to calculating emissions from tanks storing materials with a true vapor pressure less than 0.5 psia or with a capacity less than 25,000 gallons, the flexible permit emission rate cap contribution from the January 26, 1998, and January 12, 1999, submittals may be used as the estimated actual emissions.

Fixed VOC sources (process fugitives) shall be added directly into the calculated monthly VOC emissions.

- E. The accumulated total annual emissions for each pollutant must be less than its respective permitted annual emission cap. The annual emission caps shall be adjusted if any facilities covered by the flexible permit have been shut down for more than 12 months. The emission caps shall be lowered by an amount that the shutdown facility contributed to the original calculation of the emission cap including any insignificant emission factor for that cap.
- F. After calculating emissions as required under paragraph D, if the accumulated total annual emissions exceed the established annual emission caps, a report shall be submitted to the TCEQ Regional Office within 30 days of performing the emission cap calculations that show the exceedance.

The report shall identify which emission caps were exceeded, cause of the exceedance (if known), and corrective action that will be taken.
- G. In order to be consistent with the 12-month rolling basis, any changes in the emissions rates caps shall be phased in on a prorated basis using the emissions rate caps before and after the change and the number of months that the plant has operated under each level of the emissions rate cap.

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- H. Demonstration with the hourly emission cap shall be made upon request of representatives of the TCEQ or any local program having jurisdiction. The hourly emission caps shall be adjusted if any facilities covered by the flexible permit have been shut down for more than 12 months. The emission caps shall be lowered by an amount that the shutdown facility contributed to the original calculation of the emission cap including any insignificant emission factor for that cap.
 - I. The FCCU II Charge Heater (EPN 110 / FIN E0310F101) is exempt from SO₂ monitoring pursuant to an Alternative Method of Compliance (AMOC No. 200) under 40 CFR 60 Subpart J that was reviewed and approved by TCEQ APD on April 18, 2022. **(10/22)**
 - J. Written records of any accidental releases, spills, or venting of NH₃ and the corrective action taken. Maintain records of daily audio, olfactory, and visual checks pursuant to Special Condition No. 29. **(03/24)**
 - K. The records required by Special Condition No. 36 above shall be kept on-site on a five-year rolling retention basis. **(03/24)**
37. The holder of this permit shall make and maintain records of the following:
- A. Hours that the SRU, TGTU, or TGI are inoperable or in the event of an excursion, what corrective action is taken.
 - B. Weekly sulfur production.
 - C. Hourly average TGI firebox exit temperatures.
38. The following requirements apply to capture systems for FCCU Scrubber (EPN 111), WWTP Thermal Oxidizer (EPN FL-125), and Marine VCU (EPN FL-118). **(03/24)**
- A. If used for particulate control, complete either of the following once a year:
 - (1) Inspect any fan and verify proper operation and inspect the capture system to verify there are no cracks, holes, tears, and other defects once a year; or
 - (2) Verify there are no fugitive emissions escaping from the capture system by performing a visible emissions observation for a period of at least six minutes in accordance with 40 CFR Part 60, Appendix A, Test Method 22.
 - B. If used to control pollutants other than particulate, either:
 - (1) Conduct a once a month visual, audible, and/or olfactory inspection of the capture system to verify there are no leaking components in the capture system; or
 - (2) Once a year, verify the capture system is leak free by inspecting in accordance with 40 CFR Part 60, Appendix A, Test Method 21. Leaks shall be indicated by an instrument reading greater than or equal to 500 ppmv above background.
 - C. If there is a bypass for the control device Marine VCU (EPN FL-118) and/or WWTP Thermal Oxidizer (EPN FL-125), comply with either of the following requirements: **(03/24)**
 - (1) Install a flow indicator that records and verifies zero flow at least once every 15 minutes immediately downstream of each valve that if opened would allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere; or

- (2) Once a month, inspect the valves, verifying the position of the valves and the condition of the car seals prevent flow out the bypass.
 - D. A deviation shall be reported if the monitoring or inspections indicate bypass of the control device. If any of the above inspections is not satisfactory, the permit holder shall promptly take necessary corrective action.
39. The marine VCU (EPN FL-118) shall be operated with no visible emissions and have a constant pilot flame during all times waste gas is directed to it. The pilot flame shall be continuously monitored by a thermocouple or an infrared monitor when products that require control are loaded. The time, date, and duration of any loss of pilot flame shall be recorded when products that require control are loaded. Each monitoring device shall be accurate to, and shall be calibrated at, a frequency in accordance with the manufacturer's specifications. **(03/24)**
- A. The exhaust temperature shall be monitored and recorded at least once a day when waste gas is directed to the marine VCU. **(03/24)**
 - B. The exhaust temperature shall be monitored continuously when waste gas is directed to it. The temperature measurement device shall reduce the temperature readings to an averaging period of six minutes or less and record it at that frequency.
 - C. The temperature monitor shall be installed, calibrated at least annually, and maintained according to the manufacturer's specifications. The device shall have an accuracy of the greater of +/- 2 percent of the temperature being measured expressed in degrees Celsius or +/- 2.5°C.
 - D. The average exhaust temperature over the loading period shall be maintained above 1100°F when products that require control are loaded.
 - E. Quality-assured (or valid) data must be generated when the marine VCU is operating except during the performance of periodic validation checks. Loss of valid data due to periods of monitor break down, out of control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the vapor combustor operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgement and the methods used recorded. **(03/24)**

MSS Conditions

40. Planned startup and shutdown emissions due to the activities identified in Special Condition No. 41 are authorized from facilities and emission points in the non-MSS emission caps and individual emission rate limits in this flexible permit provided the facility and emissions are compliant with the respective "Emission Sources, Emissions Caps and Individual Emission Limitations" emission cap contributions and special conditions of this permit. **(03/24)**
41. This permit authorizes the emissions from the facilities authorized by this permit for the planned MSS activities summarized in the MSS Activity Summary (Attachment C) attached to this permit.

This permit authorizes emissions from the following temporary facilities used to support planned MSS activities at permanent site facilities: frac tanks, containers, vacuum trucks, facilities used for abrasive blasting, portable control devices identified in Special Condition No. 52, and controlled recovery systems. Emissions from temporary facilities are authorized provided the temporary facility (a) does not remain on the plant site for more than 12 consecutive months, (b) is used solely

to support planned MSS activities at the permanent site facilities authorized by this permit, and (c) does not operate as a replacement for an existing authorized facility.

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

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

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

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

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

42. Process units and facilities, with the exception of those identified in Special Condition Nos. 45, 46, 48, and Attachment A shall be depressurized, emptied, degassed, and placed in service in accordance with the following requirements.
 - A. The process equipment shall be depressurized to a control device or a controlled recovery system prior to venting to atmosphere, degassing, or draining liquid. Equipment that only contains material that is liquid with VOC partial pressure less than 0.50 psi at the normal process temperature and 95°F may be opened to atmosphere and drained in accordance with paragraph C of this special condition. The vapor pressure at 95°F may be used if the actual temperature of the liquid is verified to be less than 95°F and the temperature is recorded.
 - B. If mixed phase materials must be removed from process equipment, the cleared material shall be routed to a knockout drum or equivalent to allow for managed initial phase separation. If the VOC partial pressure is greater than 0.50 psi at either the normal process temperature or 95°F, any vents in the system must be routed to a control device or a controlled recovery system. The vapor pressure at 95°F may be used if the actual temperature of the liquid is verified to be less than 95°F and the temperature is recorded.

Control must remain in place until degassing has been completed or the system is no longer vented to atmosphere.

- C. All liquids from process equipment or storage vessels must be removed to the maximum extent practical prior to opening equipment to commence degassing and/or maintenance. Liquids must be drained into a closed vessel unless prevented by the physical configuration of the equipment. If it is necessary to drain liquid into an open pan or sump, the liquid must be covered or transferred to a covered vessel within one hour of being drained. After draining is complete, empty open pans may remain in use for housekeeping reasons to collect incidental drips.
- D. If the VOC partial pressure is greater than 0.50 psi at the normal process temperature or 95°F, facilities shall be degassed using good engineering practice to ensure air contaminants are removed from the system through the control device or controlled recovery system to the extent allowed by process equipment or storage vessel design. The vapor pressure at 95°F may be used if the actual temperature of the liquid is verified to be less than 95°F and the temperature is recorded.

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

- (1) For MSS activities identified in Attachment B, the following option may be used in lieu of (2) below. The facilities being prepared for maintenance shall not be vented directly to atmosphere, except as necessary to verify an acceptable VOC concentration and establish isolation of the work area, until the VOC concentration has been verified to be less than 10 percent of the lower explosive limit (LEL) per the site safety procedures.
 - (2) The locations and/or identifiers where the purge gas or steam enters the process equipment or storage vessel and the exit points for the exhaust gases shall be recorded. The PFD's or P&ID's may be used to demonstrate compliance with the requirement. If the process equipment is purged with a gas, two system volumes of purge gas must have passed through the control device or controlled recovery system before the vent stream may be sampled to verify acceptable VOC concentration prior to uncontrolled venting. Documented refinery procedures used to deinventory equipment to a control device for safety purposes (i.e., hot work or vessel entry procedures) that achieve at least the same level of purging may be used in lieu of the above. The VOC sampling and analysis shall be performed using an instrument meeting the requirements of Special Condition No. 43. The sampling point shall be upstream of the inlet to the control device or controlled recovery system. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the process equipment or vessel being purged. The facilities shall be degassed to a control device or controlled recovery system until the VOC concentration is less than 10,000 ppmv or 10 percent of the LEL.
- E. Gases and vapors with VOC partial pressure greater than 0.50 psi may be vented directly to atmosphere if all the following criteria are met:
 - (1) It is not technically practicable to depressurize or degas, as applicable, into the process.
 - (2) There is not an available connection to a plant control system (flare).
 - (3) There is no more than 50 lbs of air contaminant to be vented to atmosphere during shutdown or startup, as applicable.

Except when identified for an activity on Attachment A, all instances of venting directly to atmosphere per Special Condition No. 42.E must be documented when occurring as part of any MSS activity. The emissions associated with venting without control must be included in the work order, shift log, or equivalent for those planned MSS activities identified in Attachment B.

43. Air contaminant concentration shall be measured using an instrument/detector meeting one set of requirements specified below.
- A. The VOC concentration shall be measured using an instrument meeting all the requirements specified in EPA Method 21 (40 CFR Part 60, Appendix A) with the following exceptions:
- (1) The instrument shall be calibrated within 24 hours of use with a calibration gas such that the response factor of the VOC (or mixture of VOCs) to be monitored shall be less than 2.0. The calibration gas and the gas to be measured, and its approximate response factor shall be recorded.
 - (2) Sampling shall be performed as directed by this permit in lieu of Section 8.3 of Method 21. During sampling, data recording shall not begin until after two times the instrument response time. The date and time shall be recorded, and VOC concentration shall be monitored for at least five minutes and the highest concentration recorded. The highest measured VOC concentration shall not exceed the specified VOC concentration limit prior to uncontrolled venting.
 - (3) If a TVA-1000 series FID analyzer, or equivalent FID analyzer, calibrated with methane is used to determine the VOC concentration, a measured concentration of 34,000 ppmv may be considered equivalent to 10,000 ppmv as VOC.
- B. Colorimetric gas detector tubes may be used to determine air contaminant concentrations if they are used in accordance with the following requirements.
- (1) The air contaminant concentration measured is less than 80 percent of the range of the tube. If the maximum range of the tube is greater than the release concentration defined in iii., the concentration measured is at least 20 percent of the maximum range of the tube.
 - (2) The tube is used in accordance with the manufacturer's guidelines.
 - (3) At least two samples taken at least five minutes apart must satisfy the following prior to uncontrolled venting:
measured contaminant concentration (ppmv) < release concentration.
Where the release concentration is:
10,000*mole fraction of the total air contaminants present that can be detected by the tube.
The mole fraction may be estimated based on process knowledge. The release concentration and basis for its determination shall be recorded.
Records shall be maintained of the tube type, range, measured concentrations, and time the samples were taken.
- C. Lower explosive limit measured with an MSA Sirius lower explosive limit detector.

- (1) The detector shall be calibrated monthly with a certified pentane calibration gas equivalent to 58 percent of the lower explosive limit (LEL) for pentane. Records of the calibration date/time and calibration result (pass/fail) shall be maintained.
 - (2) A daily functionality test shall be performed on each detector using the same certified gas standard used for calibration. The LEL monitor shall read no lower than 90 percent of the calibration gas certified value. Records, including the date/time and test results, shall be maintained.
 - (3) A certified methane gas standard equivalent to 29 percent of the LEL for methane may be used for calibration and functionality tests provided that the LEL response is within 95 percent of that for pentane.
 - (4) For any test environments in which pentane is not present in the sources tested, a determination shall be documented and maintained on site that the monitor as calibrated with the pentane stimulant gas will provide conservatively accurate results and is a sensitive monitor for the components in question to set the decision to allow uncontrolled release of VOC to the atmosphere. Otherwise, an alternative monitoring approach must be used.
- D. Lower explosive limit measured with all other lower explosive limit detectors.
- (1) The detector shall be calibrated within 30 days of use with a certified pentane calibration gas equivalent to 25 percent of the lower explosive limit (LEL) for pentane. Records of the calibration result (pass/fail) shall be maintained.
 - (2) A functionality test shall be performed on each detector within 24 hours of using the same certified gas standard used for calibration. The LEL monitor shall read no lower than 90 percent of the calibration gas certified value. Records, including the date/time and test results, shall be maintained.
 - (3) A certified methane gas standard equivalent to 25% of the LEL for pentane may be used for calibration and functionality tests provided that the LEL response is within 95% of that for pentane.
44. If the removal of a component for repair or replacement results in an open ended line or valve, the open ended line is exempt from any NSR permit condition requirement to install a cap, blind flange, plug, or second valve for 72 hours. If the repair or replacement is not completed within 72 hours, the permit holder must complete either of the following actions within that time period:
- A. A cap, blind flange, plug, or second valve must be installed on the line or valve, or demonstrate that the line, valve, component, etc, has been double blocked from the process;
or
 - B. The permit holder shall verify that there is no leakage from the open-ended line or valve. The open-ended line or valve shall be monitored on a weekly basis in accordance with the applicable NSR permit condition for fugitive emission monitoring except that a leak is defined as any VOC reading greater than background. Leaks must be repaired no later than one calendar day after the leak is detected or a cap, blind flange, plug, or second valve must be installed on the line or valve. The results of this weekly check and any corrective actions taken shall be recorded.
45. This permit authorizes emissions for the storage tanks identified in the attached facility list during planned floating roof landings. Unless the tank vapor space is routed to a control device meeting the requirements of Special Condition No. 52, tank roofs may only be landed for changes of tank

service or tank inspection/maintenance as identified in the permit application. Tank roof landings include all operations when the tank floating roof is on its supporting legs. These emissions are subject to the maximum allowable emission rates indicated on the "Emission Sources, Emissions Caps, and Individual Emission Limitations Table." The following requirements apply to tank roof landings.

- A. The tank liquid level shall be continuously lowered after the tank floating roof initially lands on its supporting legs until the tank has been drained to the maximum extent practicable without entering the tank. Liquid level may be maintained steady for a period of up to three hours if necessary to allow for valve lineups and pump changes necessary to drain the tank. This requirement does not apply where the vapor under a floating roof is routed to control or a controlled recovery system during this process.

This requirement does not apply if the level is lowered to allow for maintenance that is expected to be completed in less than 24 hours. In that case, the tank must be filled and the roof floated within 24 hours of landing the roof and the evolution documented in accordance with Special Condition No. 45.E.

- B. If the VOC partial pressure of the liquid previously stored in the tank is greater than 0.50 psi at 95°F, tank refilling, or degassing of the vapor space under the landed floating roof must begin within 24 hours after the tank has been drained unless the vapor under the floating roof is routed to control or a controlled recovery system during this period. Floating roof tanks with liquid capacities less than 100,000 gallons may be degassed without control if the VOC partial pressure of the standing liquid in the tank has been reduced to less than 0.02 psia prior to ventilating the tank. Controlled degassing of the vapor space under landed roofs shall be completed as follows:

- (1) Any gas or vapor removed from the vapor space under the floating roof must be routed to a control device or a controlled recovery system and controlled degassing must be maintained until the VOC concentration is less than 10,000 ppmv or 10 percent of the LEL. The locations and identifiers of vents other than permanent roof fittings and seals, control device or controlled recovery system, and controlled exhaust stream shall be recorded. There shall be no other gas/vapor flow out of the vapor space under the floating roof when degassing to the control device or controlled recovery system.
- (2) The vapor space under the floating roof shall be vented using good engineering practice to ensure air contaminants are flushed out of the tank through the control device or controlled recovery system to the extent allowed by the storage tank design until the VOC concentration is less than 10,000 ppmv or 10 percent of the LEL.
- (3) A volume of gas equivalent to twice the volume of the vapor space under the floating roof must have passed through the control device or into a controlled recovery system, before the vent stream may be sampled to verify acceptable VOC concentration. The measurement of the gas volume shall not include any make-up air introduced into the control device or recovery system. Documented refinery procedures used to de-inventory equipment to a control device for safety purposes (i.e., hot work or vessel entry procedures) that achieve at least the same level of purging may be used in lieu of the above. The VOC sampling and analysis shall be performed as specified in Special Condition No. 43.
- (4) The sampling point shall be upstream of the inlet to the control device or controlled recovery system. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the process equipment or vessel being purged.

- (5) If ventilation is to be maintained with emission control, the control device shall be monitored in accordance with Special Condition No. 52.

Degassing must be performed every 24 hours unless there is no standing liquid in the tank or the VOC partial pressure of the remaining liquid in the tank is less than 0.15 psia.
- C. The tank shall not be opened except as necessary to set up for degassing and cleaning, or ventilated without control, until either all standing liquid has been removed from the tank or the liquid in the tank has a VOC partial pressure less than 0.02 psia. These criteria may be demonstrated in any one of the following ways.
 - (1) Low VOC partial pressure liquid that is soluble with the liquid previously stored may be added to the tank to lower the VOC partial pressure of the liquid mixture remaining in the tank to less than 0.02 psia. This liquid shall be added during tank degassing if practicable. The estimated volume of liquid remaining in the drained tank and the volume and type of liquid added shall be recorded. The liquid VOC partial pressure may be estimated based on this information and engineering calculations.
 - (2) If water or other liquid is added or sprayed into the tank to remove standing VOC, acceptable vapor pressure may be demonstrated using any of the three methods below:
 - (a) Take a representative sample of the liquid remaining in the tank and verify no visible sheen using the static sheen test from 40 CFR Part 435 Subpart A, Appendix 1.
 - (b) Take a representative sample of the liquid remaining in the tank and verify hexane soluble VOC concentration is less than 1,000 ppmw using EPA Method 1664 (may also use 8260B or 5030 with 8015 from SW-846).
 - (c) Stop ventilation and close the tank for at least 24 hours. When the tank manway is opened after this period, verify VOC concentration.
 - (3) No standing liquid verified through visual inspection.

Once the VOC partial pressure is verified less than 0.02 psia, any subsequent/additional water flushes that may be performed do not trigger additional verification. The permit holder shall maintain records to document the method used to release the tank.
- D. Tanks shall be refilled as rapidly as practicable until the roof is off its legs with the following exceptions:
 - (1) The vapor space under the floating roof is routed to control during refilling.
 - (2) The fill rate shall not exceed 3,000 barrels per hour (bbl/hr) for any tank.
 - (3) Tank E11TKS23 shall not refill at a rate greater than 1,000 bbl/hr. **(03/24)**
- E. The occurrence of each roof landing and the associated emissions shall be recorded and the rolling 12-month tank roof landing emissions shall be updated on a monthly basis. These records shall include at least the following information:
 - (1) The identification of the tank and emission point number, and any control devices or recovery systems used to reduce emissions;
 - (2) The reason for the tank roof landing;

- (3) For the purpose of estimating emissions, the date, time and other information specified for each of the following events:
 - (a) the roof was initially landed,
 - (b) all liquid was pumped from the tank to the extent practical,
 - (c) start and completion of controlled degassing, and total volumetric flow,
 - (d) all standing liquid was removed from the tank or any transfers of low VOC partial pressure liquid to or from the tank including volumes and vapor pressures to reduce tank liquid VOC partial pressure to <0.02 psi,
 - (e) if there is liquid in the tank, VOC partial pressure of liquid, start and completion of uncontrolled degassing, and total volumetric flow,
 - (f) refilling commenced, liquid filling the tank, and volume necessary to float the roof, and
 - (g) tank roof off supporting legs, floating on liquid.
- (4) The estimated quantity of each air contaminant, or mixture of air contaminants, emitted between events c and g with the data and methods used to determine it.

The emissions associated with roof landing activities shall be calculated using the methods described in Section 7.1.3.2 of AP-42 "Compilation of Air Pollution Emission Factors, Chapter 7 - Storage of Organic Liquids" dated November 2006 and the permit application.

46. Fixed-roof tanks shall not be ventilated without control, until either all standing liquid has been removed from the tank or the liquid in the tank has a VOC partial pressure less than 0.02 psia. This shall be verified and documented through one of the criteria identified in Special Condition No. 45.C. Fixed roof tanks manways may be opened without emission controls when there is standing liquid with a VOC partial pressure greater than 0.02 psi vapor as necessary to set up for degassing and cleaning. One manway may be opened when necessary to allow access to the tank to remove or de-volatilize the remaining liquid. The emission control system shall meet the requirements of Special Condition No. 45.B(1) through 45.B(5) and records maintained per Special Condition No. 45.E(3)c through 45.E(3)e and 45.E(4). Low vapor pressure liquid may be added to and removed from the tank as necessary to lower the vapor pressure of the liquid mixture remaining in the tank to less than 0.02 psia.
47. The following requirements apply to vacuum and air mover truck operations to support planned MSS at this site:
 - A. Vacuum pumps and blowers shall not be operated on trucks containing or vacuuming liquids with VOC partial pressure greater than 0.50 psi at 95°F unless the vacuum/blower exhaust is routed to a control device or a controlled recovery system.
 - B. When the vacuum pump is operating, equip fill line intake with a "duckbill" or equivalent attachment if the hose end cannot be submerged in the liquid being collected.
 - C. A daily record containing the information identified below is required for each vacuum truck in operation at the site each day.
 - (1) Prior to initial use, identify any liquid in the truck. Record the liquid level and document that the VOC partial pressure is less than 0.50 psi if the vacuum exhaust is not routed to a control device or a controlled recovery system. After each liquid transfer, identify

- the liquid transferred and document that the VOC partial pressure is less than 0.50 psi if the vacuum exhaust is not routed to a control device or a controlled recovery system.
- (2) For each liquid transfer made with the vacuum operating, record the duration of any periods when air may have been entrained with the liquid transfer. The reason for operating in this manner and whether a “duckbill” or equivalent was used shall be recorded. Short, incidental periods, such as those necessary to walk from the truck to the fill line intake, do not need to be documented.
 - (3) If the vacuum truck exhaust is control device other than an engine or oxidizer, VOC exhaust concentration upon commencing each transfer, at the end of each transfer, and as required by Special Condition No. 52, measured using an instrument meeting the requirements of Special Condition No. 43.
 - (4) The volume in the vacuum truck at the end of the day, or the volume unloaded, as applicable.
- D. The permit holder shall determine the vacuum truck emissions each month using the daily vacuum truck records and the calculation methods utilized in the permit application. If records of the volume of liquid transferred for each uncontrolled vacuum truck pick-up are not maintained, the emissions shall be determined using the physical properties of the liquid vacuumed with the greatest potential emissions. Rolling 12-month vacuum truck emissions shall also be determined on a monthly basis.
- E. If the VOC partial pressure of all the liquids vacuumed into the truck is less than 0.10 psi, this shall be recorded when the truck is unloaded or leaves the plant site and the emissions may be estimated as the maximum potential to emit for a truck in that service as documented in the permit application. The recordkeeping requirements in Special Condition No. 47.A through 47.D do not apply.
48. The following requirements apply to frac, or temporary, tanks and vessels used in support of MSS activities.
- A. Except for labels, logos, etc. not to exceed 15 percent of the tank/vessel total surface area, the exterior surfaces of these tanks/vessels that are exposed to the sun shall be white or aluminum effective May 1, 2013. This requirement does not apply to tanks/vessels that only vent to atmosphere when being filled.
 - B. These tanks/vessels must be covered and equipped with fill pipes that discharge within six inches of the tank/vessel bottom. If the VOC partial pressure of the liquid in the tank is greater than 0.5 psi at 95°F, the tanks vents must be routed to a control device or controlled recovery system when the tank is being filled.
 - C. These requirements do not apply to vessels storing less than 100 gallons of liquid that are closed such that the vessel does not vent to atmosphere.
 - D. The permit holder shall maintain an emissions record which includes calculated emissions of VOC from all frac tanks during the previous calendar month and the past consecutive 12-month period. The record shall include tank identification number, dates put into and removed from service, control method used, tank capacity and volume of liquid stored in gallons, name of the material stored, VOC molecular weight, and VOC partial pressure at the estimated monthly average material temperature in psia. Filling emissions for tanks shall be calculated using the TCEQ publication titled “Technical Guidance Package for Chemical Sources - Loading Operations” and standing emissions determined using: the TCEQ publication titled “Technical Guidance Package for Chemical Sources - Storage Tanks.”

- E. If the tank/vessel is used to store liquid with VOC partial pressure less than 0.10 psi at 95°F, records may be limited to the days the tank is in service and the liquid stored. Emissions may be estimated based upon the potential to emit as identified in the permit application.
49. The following requirements apply to tank MSS activities to ensure acceptable off-site impacts. **(03/24)**
- A. Tank MSS emissions activities include tank degassing, tank opening, tank refilling following a degassing/cleaning until the roof is floated, and tank refilling not following a degassing/cleaning until the roof is floated. Only one of each type of activity may occur at any time for any liquid type (crude oil, benzene, lights, and distillates) at the site. Different tank MSS emissions activities may occur concurrently.
 - B. Emissions from tanks with landed roofs being filled with product grade benzene shall be routed to a control device meeting the requirements of Special Condition No. 52.
 - C. Emissions from tanks with landed roofs being filled with liquids that generate hydrogen sulfide concentrations greater than 10 ppm in the landed roof headspace. (crude oil, sour water, and sour intermediates) shall be routed to a control device meeting the requirements of Special Condition No. 52.
 - D. The permit holder shall determine the potential hydrogen sulfide generated during tank refilling as reference in part D of this condition by sampling the vapors when the liquid level is at approximately half the height of the landed roof and when the liquid level is within 10 percent of the height of the landed roof. The sampling shall be performed in accordance with Special Condition No. 43.B with the exception of 43.B(3). This determination shall be made at least once for each type of liquid.
50. The MSS activities represented in the permit application may be authorized under permit by rule only if the procedures, emission controls, monitoring, and recordkeeping are the same as those required by this permit.
51. All permanent facilities must comply with all operating requirements, limits, and representations during planned startup and shutdown unless alternate requirements and limits are identified in this permit. Alternate requirements for emissions from routine emission points are identified below:
- A. The combustion units, with the exception of flares, at this site are exempt from NO_x and CO operating requirements identified in special conditions and representations during planned start-up and shutdown if the following criteria are satisfied.
 - (1) The emission caps or maximum allowable emission rates in the permit authorizing the facility are not exceeded.
 - (2) The start-up period does not exceed in duration as listed in the following table and the firing rate does not exceed 75 percent of the design firing rate. The time it takes to complete the shutdown does not exceed 4 hours. For maintenance events occurring while a combustion source is in normal operation, the maintenance period shall not exceed the startup duration.

EPN	Source Name	Startup Duration (hrs)*
67, 68	DIH B Heater	10
110	FCCU II Charge Heater	37

EPN	Source Name	Startup Duration (hrs)*
65A	Crude II Charge Heater A	24
101, 102	Hydrobon Charge Heater	38
99, 100	Hydrobon Reboiler	14
80	DHT-1 Charge Heater	45
74R	DHT-K Charge Heater	24
77	DHT-D Charge Heater	36
Various	All combustion sources not listed above, except flares	8

* The beginning of Combustion Source startup is defined as when the first burner is lit.

- (3) Control devices are started and operating properly when venting a waste gas stream.
 - B. The limits identified below apply to the operations of the specified facilities during start-up and shutdown.
 - (1) FCC startup and refractory cure emissions shall be routed to the operating FCC scrubber and, except for CO the hourly average pollutant concentrations shall be less than those identified in Special Condition No. 7. Natural gas fired burners used to preheat of the FCC may exhaust through the FCCU reactor vent. **(03/24)**
 - (2) SRU incinerators (EPNs S-84 and S-85) shall oxidize at least 99.9 percent of the hydrogen sulfide directed to them to sulfur dioxide during the SRU startup evolution. The minimum sulfur recovery efficiency of Special Condition No. 14 does not apply during periods of startup or shutdown.
 - (3) The BTX reactors shall be depressurized and purged to the flare gas recovery system to lower the VOC partial pressure to less than 10,000 ppmv or 10 percent of the LEL prior to catalyst regeneration. The regeneration exhaust shall be routed to a caustic scrubber during carbon burn-off and oxidation.
 - (4) Decoking (EPN E23H201AMSS) shall be performed using the shot blast or pigging techniques. The PM emissions controlled by cyclones to less than 0.01 grain/scf when using the shot blast technique.
 - (5) Planned MSS shall be minimized while the flare gas recovery unit is shutdown.
 - C. A record shall be maintained indicating that the start and end times each of the activities identified above occur and documentation that the requirements for each have been satisfied.
52. Control devices required by this permit for emissions from planned MSS activities are limited to the following types by themselves or in combination: carbon absorption systems, thermal oxidizers, engines, H₂S scrubbers, VOC scrubbers, and flares. Control devices shall be operated with no visible emissions except periods not to exceed a total of five minutes during any two consecutive hours. Each device used must meet all the requirements identified for that type of control device.

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

A. Carbon Adsorption System (CAS).

- (1) The CAS shall consist of two carbon canisters in series with adequate carbon supply for the emission control operation.
- (2) The CAS shall be sampled down stream on the first can and the concentration recorded at least once every hour of CAS run time to determine breakthrough of the VOC. The sampling frequency may be extended using either of the following methods:
 - (a) It may be extended to up to 30 percent of the minimum potential saturation time for a new can of carbon. The permit holder shall maintain records including the calculations performed to determine the minimum saturation time.
 - (b) The carbon sampling frequency may be extended to longer periods based on previous experience with carbon control of a MSS waste gas stream. The past experience must be with the same VOC, type of facility, and MSS activity. The basis for the sampling frequency shall be recorded. If breakthrough is monitored on the initial sample of the upstream can when the polishing can is put in place, a permit deviation shall be recorded.
- (3) The method of VOC sampling and analysis shall be by detector meeting the requirements of Special Condition No. 43.
- (4) Breakthrough is defined as the highest measured VOC concentration at or exceeding 100 ppmv above background. When the condition of breakthrough of VOC from the initial saturation canister occurs, the waste gas flow shall be switched to the second canister and a fresh canister shall be placed as the new final polishing canister within four hours or prior to the next required sample, whichever is greater. In lieu of replacing canisters, the flow of waste gas may be discontinued until the canisters are switched. Sufficient new activated carbon canisters shall be maintained at the site to replace spent carbon canisters such that replacements can be done in the above specified time frame.
- (5) Records of CAS monitoring shall include the following:
 - (a) Sample time and date.
 - (b) Monitoring results (ppmv).
 - (c) Canister replacement log.
- (6) Single canister systems are allowed if the time the carbon canister is in service is limited to no more than 30 percent of the minimum potential saturation time. The permit holder shall maintain records for these systems, including the calculations performed to determine the saturation time. The time limit on carbon canister service shall be recorded and the expiration date attached to the carbon can.

B. Thermal Oxidizer.

- (1) The thermal oxidizer firebox exit temperature shall be maintained at not less than 1400°F and waste gas flows shall be limited to assure at least a 0.5 second residence time in the fire box while waste gas is being fed into the oxidizer.
- (2) The thermal oxidizer exhaust temperature shall be continuously monitored and recorded when waste gas is directed to the oxidizer. The temperature measurements shall be made at intervals of six minutes or less and recorded at that frequency. Temperature measurements recorded in continuous strip charts may be used to meet the requirements of this section.

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

- C. Internal Combustion Engine.
 - (1) The internal combustion engine shall have a VOC destruction efficiency of at least 99 percent.
 - (2) The engine must have been stack tested with propane or butane to confirm the required destruction efficiency within the past 12 months. The VOC shall be measured in accordance with the applicable EPA Reference Method during the stack test and the exhaust flow rate may be determined from measured fuel flow rate and measured oxygen concentration. A copy of the stack test report shall be maintained with the engine. There shall also be documentation of acceptable VOC emissions following each occurrence of engine maintenance which may reasonably be expected to increase emissions including oxygen sensor replacement and catalyst cleaning or replacement. Stain tube indicators specifically designed to measure VOC concentration shall be acceptable for this documentation, provided a hot air probe or equivalent device is used to prevent error due to high stack temperature, and three sets of concentration measurements are made and averaged. Portable VOC analyzers meeting the requirements of Special Condition No. 43 are also acceptable for this documentation.
 - (3) The engine shall be operated with an oxygen sensor-based air-to-fuel ratio (AFR) controller. Documentation for each AFR controller that the, manufacturer's, or supplier's recommended maintenance has been performed, including replacement of the oxygen sensor as necessary for oxygen sensor-based controllers shall be maintained with the engine. The oxygen sensor shall be replaced at least quarterly in the absence of a specific written recommendation.
- D. The plant flare system operated per Special Condition No. 12
- E. Liquid scrubbers may be used upstream of any control device to enhance VOC and H₂S capture provided such systems are closed systems and the spent absorbing solution is discharged into a closed container, vessel, or system.

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

- A. Either conduct a once a month visual, audible, and/or olfactory inspection of the capture system to verify there are no leaking components in the capture system; or verify the capture system is leak-free by inspecting in accordance with 40 CFR Part 60, Appendix A, Test Method 21 once a year. Leaks shall be indicated by an instrument reading greater than or equal to 500 ppmv above background.

- B. The control device shall not have a bypass.

or

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

- (1) Install a flow indicator that records and verifies zero flow at least once every fifteen minutes immediately downstream of each valve that if opened would allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere; or

- (2) Once a month, inspect the valves, verifying the position of the valves and the condition of the car seals that prevent flow out the bypass.

These requirements do not apply to high point vent and low point drain valves. A deviation shall be reported if the monitoring or inspections indicate bypass of the control device when required to be in service per this permit.

- C. If any of the above inspections is not satisfactory, the permit holder shall promptly take necessary corrective action. Records shall be maintained documenting the performance and results of the inspections required above.

54. No visible emissions shall leave the property due to abrasive blasting.

55. Black Beauty, Garnet Sand, and coal slag may be used for abrasive blasting. The permit holder may also use blast media that meet the criteria below:

- A. The media shall not contain asbestos or greater than 1.0 weight percent crystalline silica.
B. The weight fraction of any metal in the blast media with a short-term effects screening level (ESL) less than 50 micrograms per cubic meter as identified in the most recently published TCEQ ESL list shall not exceed the $ESL_{metal}/1,000$.
C. The MSDS for each media used shall be maintained on-site.

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

56. AMOC No. 151, approved by TCEQ on February 25, 2020, authorizes FHR-CC West Refinery to utilize alternative fuel analysis methods ASTM D 1946 and 3588 to establish a site-specific Refinery Fuel Gas (RFG) "F-factor" used to sample and calculate emissions from the East Crude Heater (EPN: 65 A; FIN: E23H101A) for compliance with applicable provisions in 40 CFR Part 60, Subpart Ja.

An AMOC to use ASTM D 1946 and 3588 fuel analysis methods to determine a fuel specific "F-factor" for compliance with 40 CFR 60 Subpart Db, was reviewed and approved by TCEQ APD on May 19, 2020. This AMOC applies to East Boiler A (EPN 95, FIN E10B10) using East Plant (EP) Refinery Fuel Gas, a mixture of purchased natural gas, off-gases from various process units, and gases recovered by the Flare Gas Recovery Unit ("FGRU"). **(03/24)**

57. East Boiler A (EPN 95) shall be limited to a maximum firing rate of no more than 360 Million British Thermal Units per hour (MMBtu/hr), higher heating value (HHV) on an hourly basis. **(03/24)**

58. The permit holder shall maintain prevention and protection measures for the NH₃ storage system which includes (but is not limited to) the following: **(03/24)**

The NH₃ storage tank area will be marked and secured so as to protect the NH₃ storage tank from accidents that could cause a rupture.

Reference Permits by Rule

59. The following sources and/or activities are authorized by Permit by Rule (PBR) under Title 30 Texas Administrative Code Chapter 106 (30 TAC Chapter 106). This list is not intended to be all-inclusive and can be altered without modifications to this permit.

Source or Activity	Registration No.	Authorization
Baker Petrolite 34260h Antifoulant Tote	108639	§ 106.261, 106.262
Slurry Settling Chemical Storage Tote	117859	§ 106.261, 106.262, 106.473
Antifoulant Tank	124434	§ 106.262, 106.478
East WWTP Flocculation Tote	144331	§ 106.261, 106.262, 106.478
Neutralizer Totes, Boiler Treatment Tanks, Flocculant Tanks, Anti-Foam Totes, Conductivity Improver Totes	148822	§ 106.261, 106.262, 106.473
H ₂ S Scavenger Tote	149241	§ 106.261, 106.473
New fugitive piping components for the Crude II/DIH Units (EPN F-61) and increases for the East Crude Charge Heater (EPN 65A)	155442	§ 106.261, 106.262
New fugitive piping components for FCCU II Fugitives (EPN F-112) and Spent Caustic Frac Tank (EPN TEMPFRAC)	156388	§ 106.262, 106.472
New fugitive piping components for the Terminal 3 Fugitives (EPN F-30) and the Hydrobon Fugitives (EPN F-98)	166850	§ 106.261, 106.262

Date: March 11, 2024

Attachment A
Permit Numbers 6308 and PSDTX137M2

Inherently Low Emitting Activities

Activity	VOC	NO_x	CO	PM	H₂S/SO₂
Water washing of equipment	x				x
Combustion shut off devices	x				x
Aerosol Cans Degassing/Crushing	x				
Inspection, maintenance, blowdown, repair, replacement, adjustment, testing and calibration of instrumentation/analyzer/analytical equipment	x	x	x		x
Materials Handling (i.e. Catalyst, insulation, clay, lime, sand, carbon, salt, refractory handling)				x	
Shot Blasting of Heater Tubes				x	
Inspection, maintenance, repair and replacement of carbon canisters	x				x
Inspection, maintenance, repair and replacement of filters, screens, baskets, and strainers	x				x
Inspection, maintenance, blowdown, and repairs on water circulating systems (cooling, boiler, potable)	x				x
Inspection, maintenance, blowdown, repair and replacement of monitoring/measuring equipment (e.g., sight glasses, rotometers, meter proving)	x				x
Pan emissions associated with exchanger backflushes; deadleg blowdowns; salt dryer inspections/refills; Oil changes on pumps and other small motors; pump seal, pump case, seal cooler replacements	x				x
Combinations of the above	x		x	x	x

Date: May 13, 2021

Attachment B

Permit Numbers 6308 and PSDTX137M2

Routine Maintenance Activities

Pump, compressor, vessel, exchanger, fugitive component (valve, pipe, flange) repair/replacement, or combinations of the preceding not included in Attachment A

Date: May 13, 2021

Attachment C
Permit Numbers 6308 and PSDTX137M2

MSS Activity Summary

Facilities	Description	Emissions Activity	EPN
all process units	process unit shutdown/depressurize/drain	vent to flare	MSSFLR
all process units	process unit purge/degas/drain	vent to atmosphere	MSSATM
all process units	process unit startup	vent to flare	MSSFLR
all process units and tanks	preparation for facility/component repair/replacement	vent to flare	MSSFLR
all process units and tanks	preparation for facility/component repair/replacement	vent to atmosphere	MSSATM
all process units and tanks	recovery from facility/component repair/replacement	vent to flare	MSSFLR
all process units and tanks	recovery from facility/component repair/replacement	vent to atmosphere	MSSATM
all process units and tanks	preparation for unit turnaround or facility/component repair/replacement	remove liquid	MSSATM
FCC	startup/shutdown/vent	startup with torch oil and vent reactor	MSSPRO
all floating roof tanks	tank roof landing	operation with landed roof	MSSATM
all floating roof tanks	degas of tank with landed roof	controlled degassing	MSSATM
SRU	startup/shutdown/meltout	vent directly to incinerator on startup and meltout	MSSPRO
see Attachment A	miscellaneous low emitting activities	see Attachment A	MSSATM
all production-related	abrasive blasting	PM from blasting media	MSSATM

Date: May 13, 2021

Attachment D

Permit Numbers 6308 and PSDTX137M2

Requirements for Cooling Towers

Leaks into Cooling Towers.

FHR shall follow the procedures outlined in this paragraph for addressing any benzene associated with leaks of process fluids into non-contact, recirculating cooling tower systems (herein referred to as cooling tower systems)

- (i) **Applicability.** The monitoring and sampling requirements of this paragraph shall apply to all cooling tower systems that have the potential to come in contact with process fluids that have a benzene content of 0.1 wt% or greater. The potential to come in contact is present because of the possibility of process leaks even if the system is considered non- contact.
- (ii) **Daily Parametric Monitoring.** FHR shall perform at least one of the following types of parametric monitoring daily for each of the affected cooling tower systems:(A) Visual or olfactory observations for hydrocarbons; (B) Chemical use mass balance; (C) Microbiological growth detection; or (D) pH monitoring. If the results of such monitoring, alone or in conjunction with other process knowledge, indicate the likely presence of benzene in excess of 1 ppmw in the cooling water, FHR shall obtain three representative samples of water from a cooling tower riser located at the potentially-impacted cooling tower(s) within 24 hours, and shall transmit the samples within 72 hours by next day delivery to an external lab for analysis utilizing one of the test methods in 40 C.F.R. Sec. 61.355(c)(3)(iv).
- (iii) **Detection of Benzene in Cooling Water.** Once FHR has detected the presence of benzene greater than 1 ppmw in the cooling water prior to entering a cooling tower riser as provided in subparagraph (b)(ii), additional water samples required by subparagraph (b)(ii) are not needed until such time after the source of the benzene has been repaired, even though subsequent parametric monitoring (e.g., pH monitoring) conducted up to and until the repair continues to indicate the presence of benzene. FHR shall collect and analyze additional water samples in accordance with subparagraph (b)(ii) if parametric monitoring or other process knowledge indicates that a new leak has likely occurred.
- (iv) **FHR shall monitor the exhaust of each of its applicable cooling water strippers for VOC content once per calendar month.** If a VOC reading is greater than 5 ppmv, and/or any other process knowledge indicates the likely presence of benzene in excess of 1 ppmw in the cooling water, FHR shall obtain three representative samples of the water entering the potentially impacted cooling tower and will transmit such samples within 24 hours by next day delivery to the external lab for analysis using one of the test methods in 40 C.F.R. Sec. 61.355(c)(3)(iv). Once a leak has been identified and until it has been repaired, subsequent VOC monitoring that continues to indicate the same leak does not give rise to a requirement to obtain additional water samples, except as needed by FHR to determine if the leak has changed or unless VOC monitoring or process knowledge indicates that a new leak likely has occurred.
- (v) **Repair Deadline for Confirmed Leak.** If FHR determines, through the water sampling and benzene analyses referenced in paragraphs (ii), (iii), or (iv), that a leak from process equipment has caused the benzene concentration in the cooling water prior to entering the cooling towers to exceed 1 ppmw, FHR shall repair the leak within 45 days after the date that FHR identifies the equipment that is leaking. FHR shall make all reasonable efforts to identify the leaking equipment as expeditiously as possible, but in no case shall the identification

period exceed 30 days from the date the laboratory analysis indicates that there is the presence of benzene in excess of 1 ppmw in the cooling tower system. The period to identify a leak may be extended beyond 30 days upon the consent of TCEQ.

- (vi) Exclusions to the Repair Deadline. This 45-day deadline to repair is not applicable if one or more of the following criteria is met:
 - (A). The equipment that is causing the leak is isolated from the process as soon as practical, but no longer than 45 days from when FHR identified the leaking equipment;
 - (B). The necessary parts are not reasonably available (in which case, the repair must be completed within 120 days of the date the leaking equipment is identified);
 - (C). Shutdown of the affected unit is already planned to occur within 60 days from the date the leaking equipment is identified;
 - (D). Shutdown for repair would cause greater emissions than the potential emissions that would result from a delay of repair (in which case FHR must make that calculation prior to relying on this exemption);
 - (E). The process fluid has been prevented from leaking into the cooling tower system via a process or system change; or
 - (F). Subsequent samples (utilizing 2 representative samples) confirm that the concentration of benzene in the cooling water prior to the cooling tower is less than 1 ppmw.
- (vii) Confirmation of Repair. Once FHR has identified and corrected a leak pursuant to (v) above, it shall conduct water sampling within 14 days of the repair or startup, whichever is later, to confirm that the benzene concentration in the cooling water prior to the cooling towers is less than 1 ppmw. The confirmation sampling may occur later if more time is needed to obtain a reliable sample due to water quality problems. At no time shall the confirmation sampling exceed 30 days after the repair or startup. If the confirmation sampling demonstrates that there is still a leak in the cooling tower system above 1 ppmw, then a new 45-day repair deadline shall commence on the date of such confirmation.

Date: May 13, 2021

Attachment E

Permit Number 6308 & PSDTX137M2

List of all Units by Grouping Followed by Monitoring, Short-Term Calculation and Long-Term Calculation Methodologies

Group Name	FIN	EPN	Description
HEATERS 1 (CEM)	E23H101A	65A	Crude II Charge Heater A
HEATERS 2 (STACK)	E0310F101	110	FCCU II Charge Heater
	E28H101	101, 102	Hydrobon Charge Heater
	E28H102	99, 100	Hydrobon Reboiler
	E23H301B	67, 68	DIH B Heater
HEATERS 3 (VENDOR)	E29H417	E29H417	SRU No. 1 Heater
HEATERS 4 (AP-42)	E20H1	25	Sulfolane Clay Tower Heater
HEATERS 5 (OOS, CEM)	E21H1	35, 36	BTX Rx No. 1 Heater
	E21H2	37, 38	BTX Rx No. 2 Heater
HEATERS 6 (OOS, STACK)	E21H3	33, 34	BTX Depentanizer Reboiler
	E25H303	74R	DHT-K Charge Heater
	E27H201	81	DHT-I Frac. Heater
	E36H201	120	Isom Splitter Reboiler
HEATERS 7 (OOS, VENDOR)	E27H1	80	DHT-I Charge Heater
HEATERS 8 (OOS, AP-42)	E26F151	77	DHT-D Charge Heater
FUGITIVES 1 (28VHP and AVO)	F-112	F-112	FCCU II Fugitives
FUGITIVES 2 (28VHP ONLY)	F-97	F-97	Flare System Fugitives
FUGITIVES 3 (28VHP and AVO)	F-30	F-30	Terminal 3 Fugitives
	F-61 ¹	F-61 ¹	Crude II/DIH Fugitives ¹
	F-26	F-26	Terminal 2 Fugitives
	SHIP&BARGE	90,91,92P	Marine Dock Fugitives
	F-55	F-55	BTX Platformer Fugitives
	F-79	F-79	DHT-I Fugitives
	F-72	F-72	DHT-K Fugitives
	F-76	F-76	DHT-D Fugitives
	F-WWTP	F-WWTP	WWTP Fugitives
	P-FGS	F-FGS	Fuel Gas Supply System Fugitives
	TRUCK RACK	F-86	Truck Rack Fugitives
FUGITIVES 4 (28VHP, Annual Flange, AVO)	F-118	F-118	MVCU Equipment Fugitives
	F-53	F-53	Sulfolane Fugitives
FUGITIVES 5 (28FVHP, Lower Leak Def)	F-98	F-98	Hydrobon Fugitives
FUGITIVES 6 (OOS)	F-121	F-121	Isom Fugitives
	F-58	F-58	Butadiene Saturation Fugitives
	F-123	F-123	MTBE Fugitives

Group Name	FIN	EPN	Description
FUGITIVES 7 (28VHP and AVO)	SULFUR REC	F-SRU1	SRU No. 1 Fugitives
	SULFUR REC	F-SRU2	SRU No. 2 Fugitives
TANKS 1 (VOC ONLY)	E04V16	E04V16	Tank E04V16
	E20V21A	E20V21A	Tank E20V21A
	E20V22	E20V22	Tank E20V22
	E20V4	E20V4	Tank E20V4
	E11TK330	E11TK330	Tank E11TK330
	PERMSCAV	PERMSCAV	FCCU II H ₂ S Scavenger Tote
	H2SSCAV	H2SSCAV	WWTP H ₂ S Scavenger Tote
	E13TK39	E13TK39	Diesel Tank for E13P45
	E13TK40	E13TK40	Diesel Tank for E13P46
	E13TK41	E13TK41	Diesel Tank for E13P47
	E0340SCT246	E0340SCT246	Anodamine Tote
	10SCT248	10SCT248	Spent Caustic Tank
	E0320D128	E0320D128	Anodamine Tote
E23SCT250	E23SCT250	Anodamine Tote	
TANKS 2 (VOC, H ₂ S Product Knowledge)	E29T511R	E29T511R	Tank E29T511R
	E11TK322	E11TK322	Tank E11TK322
	E11TK324	E11TK324	Tank E11TK324
	E11TK325	E11TK325	Tank E11TK325
	E11TK329	E11TK329	Tank E11TK329
	E11TK331	E11TK331	Tank E11TK331
	E11TKR9	E11TKR9	Tank E11TKR9
	E11TKS21	E11TKS21	Tank E11TKS21
	E11TKS23	E11TKS23	Tank E11TKS23
	E11TKS3	E11TKS3	Tank E11TKS3
	E11TKS31	E11TKS31	Tank E11TKS31
	E11TKS32	E11TKS32	Tank E11TKS32
	E11TKS43	E11TKS43	Tank E11TKS43
	E12TK116	E12TK116	Tank E12TK116
	E12TK145	E12TK145	Tank E12TK145
	E12TK146	E12TK146	Tank E12TK146
	E14TK526	E14TK526	Tank E14TK526
	E14TK528	E14TK528	Tank E14TK528
	E14TK530	E14TK530	Tank E14TK530
	E18TK110	E18TK110	Tank E18TK110
	E18TK111	E18TK111	Tank E18TK111
E18TK112	E18TK112	Tank E18TK112	
E18TK123	E18TK123	Tank E18TK123	
TANKS 3 (VOC, H ₂ S-Sample for Crude)	E11TKR40	E11TKR40	Tank E11TKR40
	E11TKS41	E11TKS41	Tank E11TKS41
	E11TKS42	E11TKS42	Tank E11TKS42
	E11TKS6	E11TKS6	Tank E11TKS6
	E12TK117	E12TK117	Tank E12TK117
	E18TKCS3	E18TKCS3	Tank E18TKCS3
TANKS 4 (VOC, H ₂ S-Sour Water)	E11TK323	E11TK323	Tank E11TK323
	E11TKS30	E11TKS30	Tank E11TKS30
	E11TKS7	E11TKS7	Tank E11TKS7

Group Name	FIN	EPN	Description
	E11TKS8	E11TKS8	Tank E11TKS8
TANKS 5 (Carbon Canister)	E14TK530CC	E14TK530CC	E14TK530 Overflow Pipe
TANKS 6 (SO2)	TKNaHSO3	TKNaHSO3	Sodium Bisulfite Tank
COOLING TOWERS	SULFOLANEC	C-107	Sulfolane Cooling Tower
	BTX PLAT C	C-108	BTX Cooling Tower
	CR 2 COOL	C-109	Crude II Cooling Tower
	HBON COOL	C-110	Hydrobon Cooling Tower
	FCC 2 COOL	C-113	FCCU II Cooling Tower
ENGINES	E13P45	E13P45	Firewater Diesel Engine E13P45
	E13P46	E13P46	Firewater Diesel Engine E13P46
	E13P47	E13P47	Firewater Diesel Engine E13P47
AERATION BASINS	E14TK503A	E14TK503A	Aeration Basin No. 1
	E14TK503B	E14TK503B	Aeration Basin No. 2

1. Light liquid and gas/vapor flanges/connectors in the DIH Unit are monitored annually in addition to the 28VHP monitoring

Attachment E
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Group Name	Pollutant	Monitoring	Short-Term Emission Rate Calculations	Annual Emission Rate Calculations
HEATERS1	CO	Monitoring specified in Special Condition Nos.24 and 36.A.	Actual emissions are calculated using fired duty and CEM data.	Actual emissions are calculated using fired duty and CEM data.
	NO _x	Monitoring specified in Special Condition Nos. 24 and 36.A.	Actual emissions are calculated using fired duty and CEM data.	Actual emissions are calculated using fired duty and CEM data.
	PM/PM ₁₀ /PM _{2.5}	Monitoring specified in Special Condition No. 36.A.	Actual emissions calculated using fired duty and AP-42 emission factor.	Actual emissions calculated using fired duty and AP-42 emission factor.
	SO ₂	Monitoring specified in Special Condition Nos.34 and 36A.	Actual emissions calculated using fuel gas usage and H ₂ S content in the fuel gas.	Actual emissions calculated using fuel gas usage and H ₂ S content in the fuel gas.
	VOC	Monitoring specified in Special Condition No. 36.A.	Actual emissions calculated using fired duty and AP-42 emission factor.	Actual emissions calculated using fired duty and AP-42 emission factor.
	SAM	Monitor SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.
HEATERS 2	CO	Monitoring specified in Special Condition No. 36.A.	Actual emissions calculated using fired duty and stack test data.	Actual emissions calculated using fired duty and stack test data.
	NO _x	Monitoring specified in Special Condition No. 36.A.	Actual emissions calculated using fired duty and stack test data.	Actual emissions calculated using fired duty and stack test data.
	PM/PM ₁₀ /PM _{2.5}	Monitoring specified in Special Condition No. 36.A.	Actual emissions calculated using fired duty and AP-42 emission factor.	Actual emissions calculated using fired duty and AP-42 emission factor.
	SO ₂	Monitoring specified in Special Condition Nos. 34 and 36A.	Actual emissions calculated using fuel gas usage and H ₂ S content in the fuel gas.	Actual emissions calculated using fuel gas usage and H ₂ S content in the fuel gas.
	VOC	Monitoring specified in Special Condition No. 36.A.	Actual emissions calculated using fired duty and AP-42 emission factor.	Actual emissions calculated using fired duty and AP-42 emission factor.
	SAM	Monitor SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.
HEATERS 3	CO	Monitoring specified in Special Condition No. 36.A.	Actual emissions calculated using fired duty and vendor data.	Actual emissions calculated using fired duty and vendor data.
	NO _x	Monitoring specified in Special Condition No. 36.A.	Actual emissions calculated using fired duty and vendor data.	Actual emissions calculated using fired duty and vendor data.
	PM/PM ₁₀ /PM _{2.5}	Monitoring specified in Special Condition No. 36.A.	Actual emissions calculated using fired duty and AP-42 emission factor.	Actual emissions calculated using fired duty and AP-42 emission factor.
	SO ₂	Monitoring specified in Special Condition Nos. 34 and 36A.	Actual emissions calculated using fuel gas usage and H ₂ S content in the fuel gas.	Actual emissions calculated using fuel gas usage and H ₂ S content in the fuel gas.
	VOC	Monitoring specified in Special Condition No. 36.A.	Actual emissions calculated using fired duty and AP-42 emission factor.	Actual emissions calculated using fired duty and AP-42 emission factor.
	SAM	Monitor SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.
	CO	Monitoring specified in Special Condition No. 36.A.	Actual emissions calculated using fired duty and AP-42 factor.	Actual emissions calculated using fired duty and AP-42 factor.
	NO _x	Monitoring specified in Special Condition No. 36.A.	Actual emissions calculated using fired duty and AP-42 factor.	Actual emissions calculated using fired duty and AP-42 factor.

Group Name	Pollutant	Monitoring	Short-Term Emission Rate Calculations	Annual Emission Rate Calculations
HEATERS 4	PM/PM ₁₀ /PM _{2.5}	Monitoring specified in Special Condition No. 36.A.	Actual emissions calculated using fired duty and AP-42 emission factor.	Actual emissions calculated using fired duty and AP-42 emission factor.
	SO ₂	Monitoring specified in Special Condition Nos. 34 and 36A.	Actual emissions calculated using fuel gas usage and H ₂ S content in the fuel gas.	Actual emissions calculated using fuel gas usage and H ₂ S content in the fuel gas.
	VOC	Monitoring specified in Special Condition No. 36.A.	Actual emissions calculated using fired duty and AP-42 emission factor.	Actual emissions calculated using fired duty and AP-42 emission factor.
	SAM	Monitor SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.
HEATERS 5	CO	This unit is currently out of service and is not monitored. If returned to service, monitoring specified in Special Condition Nos. 24 and 36.A.	If returned to service, actual emissions will be calculated using fired duty and CEM data.	If returned to service, actual emissions will be calculated using fired duty and CEM data.
	NO _x	This unit is currently out of service and is not monitored. If returned to service, monitoring specified in Special Condition Nos. 24 and 36.A.	If returned to service, actual emissions will be calculated using fired duty and CEM data.	If returned to service, actual emissions will be calculated using fired duty and CEM data.
	PM/PM ₁₀ /PM _{2.5}	This unit is currently out of service and is not monitored. If returned to service, monitoring specified in Special Condition No. 36.A.	If returned to service, actual emissions will be calculated using fired duty and AP-42 emission factor.	If returned to service, actual emissions will be calculated using fired duty and AP-42 emission factor.
	SO ₂	This unit is currently out of service and is not monitored. If returned to service, monitoring specified in Special Condition Nos. 34 and 36A.	If returned to service, actual emissions will be calculated using fuel gas usage and H ₂ S content in the fuel gas.	If returned to service, actual emissions will be calculated using fuel gas usage and H ₂ S content in the fuel gas.
	VOC	This unit is currently out of service and is not monitored. If returned to service, monitoring specified in Special Condition No. 36.A.	If returned to service, actual emissions will be calculated using fired duty and AP-42 emission factor.	If returned to service, actual emissions will be calculated using fired duty and AP-42 emission factor.
	SAM	This unit is currently out of service and is not monitored. If returned to service, monitor SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.
HEATERS 6	CO	This unit is currently out of service and is not monitored. If returned to service, monitoring specified in Special Condition No. 36.A.	If returned to service, actual emissions will be calculated using fired duty and stack test data.	If returned to service, actual emissions will be calculated using fired duty and stack test data.
	NO _x	This unit is currently out of service and is not monitored. If returned to service, monitoring specified in Special Condition No. 36.A.	If returned to service, actual emissions will be calculated using fired duty and stack test data.	If returned to service, actual emissions will be calculated using fired duty and stack test data.
	PM/PM ₁₀ /PM _{2.5}	This unit is currently out of service and is not monitored. If returned to service, monitoring specified in Special Condition No. 36.A.	If returned to service, actual emissions will be calculated using fired duty and AP-42 emission factor.	If returned to service, actual emissions will be calculated using fired duty and AP-42 emission factor.
	SO ₂	This unit is currently out of service and is not monitored. If returned to service, monitoring specified in Special Condition Nos. 34 and 36A.	If returned to service, actual emissions will be calculated using fuel gas usage and H ₂ S content in the fuel gas.	If returned to service, actual emissions will be calculated using fuel gas usage and H ₂ S content in the fuel gas.
	VOC	This unit is currently out of service and is not monitored. If returned to service, monitoring specified in Special Condition No. 36.A.	If returned to service, actual emissions will be calculated using fired duty and AP-42 emission factor.	If returned to service, actual emissions will be calculated using fired duty and AP-42 emission factor.

Group Name	Pollutant	Monitoring	Short-Term Emission Rate Calculations	Annual Emission Rate Calculations
	SAM	This unit is currently out of service and is not monitored. If returned to service, monitor SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.
HEATERS 7	CO	This unit is currently out of service and is not monitored. If returned to service, monitoring specified in Special Condition Nos. 24 and 36.A.	If returned to service, actual emissions will be calculated using fired duty and vendor data.	If returned to service, actual emissions will be calculated using fired duty and vendor data.
	NO _x	This unit is currently out of service and is not monitored. If returned to service, monitoring specified in Special Condition Nos. 24 and 36.A.	If returned to service, actual emissions will be calculated using fired duty and vendor data.	If returned to service, actual emissions will be calculated using fired duty and vendor data.
	PM/PM ₁₀ /PM _{2.5}	This unit is currently out of service and is not monitored. If returned to service, monitoring specified in Special Condition No. 36.A.	If returned to service, actual emissions will be calculated using fired duty and AP-42 emission factor.	If returned to service, actual emissions will be calculated using fired duty and AP-42 emission factor.
	SO ₂	This unit is currently out of service and is not monitored. If returned to service, monitoring specified in Special Condition Nos. 24 and 36.A.	If returned to service, actual emissions will be calculated using fuel gas usage and H ₂ S content in the fuel gas.	If returned to service, actual emissions will be calculated using fuel gas usage and H ₂ S content in the fuel gas.
	VOC	This unit is currently out of service and is not monitored. If returned to service, monitoring specified in Special Condition No. 36.A.	If returned to service, actual emissions will be calculated using fired duty and AP-42 emission factor.	If returned to service, actual emissions will be calculated using fired duty and AP-42 emission factor.
	SAM	This unit is currently out of service and is not monitored. If returned to service, monitor SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.
HEATERS 8	CO	This unit is currently out of service and is not monitored. If returned to service, monitoring specified in Special Condition Nos. 24 and 36.A.	If returned to service, actual emissions will be calculated using fired duty and vendor data.	If returned to service, actual emissions will be calculated using fired duty and vendor data.
	NO _x	This unit is currently out of service and is not monitored. If returned to service, monitoring specified in Special Condition Nos. 24 and 36.A.	If returned to service, actual emissions will be calculated using fired duty and vendor data.	If returned to service, actual emissions will be calculated using fired duty and vendor data.
	PM/PM ₁₀ /PM _{2.5}	This unit is currently out of service and is not monitored. If returned to service, monitoring specified in Special Condition No. 36.A.	If returned to service, actual emissions will be calculated using fired duty and AP-42 emission factor.	If returned to service, actual emissions will be calculated using fired duty and AP-42 emission factor.
	SO ₂	This unit is currently out of service and is not monitored. If returned to service, monitoring specified in Special Condition Nos. 24 and 36.A.	If returned to service, actual emissions will be calculated using fuel gas usage and H ₂ S content in the fuel gas.	If returned to service, actual emissions will be calculated using fuel gas usage and H ₂ S content in the fuel gas.
	VOC	This unit is currently out of service and is not monitored. If returned to service, monitoring specified in Special Condition No. 36.A.	If returned to service, actual emissions will be calculated using fired duty and AP-42 emission factor.	If returned to service, actual emissions will be calculated using fired duty and AP-42 emission factor.
	SAM	This unit is currently out of service and is not monitored. If returned to service, monitor SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.
	VOC	Monitoring specified in Special Condition No. 26.	Emissions are calculated using information from the LDAR monitoring program for monitored components and permit representations for components that are not monitored.	Emissions are calculated using information from the LDAR monitoring program for monitored components and permit representations for components that are not monitored.

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Group Name	Pollutant	Monitoring	Short-Term Emission Rate Calculations	Annual Emission Rate Calculations
FUGITIVES 1	H ₂ S	Monitoring specified in Special Condition No. 28.	Emissions will be equal to permit representations.	Emissions will be equal to permit representations.
	Ozone	28AVO LDAR Monitoring Program	Emissions will be equal to permit representations.	Emissions will be equal to permit representations.
	NaHSO ₃	28AVO LDAR Monitoring Program	Emissions will be equal to permit representations.	Emissions will be equal to permit representations.
FUGITIVES 2	VOC	Monitoring specified in Special Condition No. 26.	Emissions are calculated using information from the LDAR monitoring program for monitored components and permit representations for components that are not monitored.	Emissions are calculated using information from the LDAR monitoring program for monitored components and permit representations for components that are not monitored.
FUGITIVES 3	VOC	Monitoring specified in Special Condition No. 26.	Emissions are calculated using information from the LDAR monitoring program for monitored components and permit representations for components that are not monitored.	Emissions are calculated using information from the LDAR monitoring program for monitored components and permit representations for components that are not monitored.
	H ₂ S	Monitoring specified in Special Condition No. 28.	Emissions will be equal to permit representations.	Emissions will be equal to permit representations.
FUGITIVES 4	VOC	Monitoring specified in Special Condition No.26. Annual flange monitoring of gas/vapor and light liquid flanges.	Emissions are calculated using information from the LDAR monitoring program for monitored components and permit representations for components that are not monitored.	Emissions are calculated using information from the LDAR monitoring program for monitored components and permit representations for components that are not monitored.
	H ₂ S	Monitoring specified in Special Condition No. 28.	Emissions will be equal to permit representations.	Emissions will be equal to permit representations.
FUGITIVES 5	VOC	Monitoring specified in Special Condition Nos. 26 and 27.	Emissions are calculated using information from the LDAR monitoring program for monitored components and permit representations for components that are not monitored.	Emissions are calculated using information from the LDAR monitoring program for monitored components and permit representations for components that are not monitored.
	H ₂ S	Monitoring specified in Special Condition No. 28.	Emissions will be equal to permit representations.	Emissions will be equal to permit representations.
FUGITIVES 6	VOC	This unit is currently out of service and the components are not monitored. If returned to service, monitoring specified in Special Condition Nos. 26 and 27.	If returned to service, emissions will be calculated using information from the LDAR monitoring program for monitored components and permit representations for components that are not monitored.	If returned to service, emissions will be calculated using information from the LDAR monitoring program for monitored components and permit representations for components that are not monitored.
FUGITIVES 7	VOC	Monitoring specified in Special Condition Nos. 26 and 27.	Emissions are calculated using information from the LDAR monitoring program for monitored components and permit representations for components that are not monitored.	Emissions are calculated using information from the LDAR monitoring program for monitored components and permit representations for components that are not monitored.
	H ₂ S	Monitoring specified in Special Condition No. 28.	Emissions will be equal to permit representations.	Emissions will be equal to permit representations.
	NH ₃	Monitoring specified in Special Condition No. 29.	Emissions will be equal to permit representations.	Emissions will be equal to permit representations.

Group Name	Pollutant	Monitoring	Short-Term Emission Rate Calculations	Annual Emission Rate Calculations
TANKS 1	VOC	Monitoring specified in Special Condition No. 30.	Actual emissions are calculated using throughput and TCEQ guidance.	Actual emissions are calculated using throughput and AP-42 Chapter 7 methodology.
TANKS 2	VOC	Monitoring specified in Special Condition No.30.	Actual emissions are calculated using throughput and TCEQ guidance.	Actual emissions are calculated using throughput and AP-42 Chapter 7 methodology.
	H ₂ S	Monitoring specified in Special Condition No.30. FHR will use historical product knowledge for the H ₂ S concentration.	Actual emissions are calculated using throughput, K-factor, TVP of material, and H ₂ S concentration.	Actual emissions are calculated using throughput, K-factor, TVP of material, and H ₂ S concentration.
TANKS 3	VOC	Monitoring specified in Special Condition No.30.	Actual emissions are calculated using throughput and TCEQ guidance.	Actual emissions are calculated using throughput and AP-42 Chapter 7 methodology.
	H ₂ S	Monitoring specified in Special Condition No. 30. When storing crude, FHR will sample H ₂ S concentration quarterly. When storing other material, FHR will use historical product knowledge for the H ₂ S concentration.	Actual emissions are calculated using throughput, K-factor, TVP of material, and H ₂ S concentration.	Actual emissions are calculated using throughput, K-factor, TVP of material, and H ₂ S concentration.
TANKS 4	VOC	Monitoring specified in Special Condition No. 30.	Actual emissions are calculated using throughput and TCEQ guidance.	Actual emissions are calculated using throughput and AP-42 Chapter 7 methodology.
	H ₂ S	Monitoring specified in Special Condition Nos. 30 and 31.	Actual emissions are calculated using throughput, K-factor, TVP of material, and H ₂ S concentration.	Actual emissions are calculated using throughput, K-factor, TVP of material, and H ₂ S concentration.
TANKS 5	VOC	Monitor outlet concentration of carbon canister.	Actual emissions are calculated using VOC concentration and design flow of carbon canister.	Actual emissions are calculated using VOC concentration and design flow of carbon canister.
	H ₂ S	Monitor throughput. FHR will use historical product knowledge for the H ₂ S concentration.	Actual emissions are calculated using throughput, K-factor, TVP of material, and H ₂ S concentration.	Actual emissions are calculated using throughput, K-factor, TVP of material, and H ₂ S concentration.
TANKS 6	SO ₂	Monitor tank throughput.	Actual emissions are calculated using throughput and composition from SDS.	Actual emissions are calculated using throughput and composition from SDS.
COOLING TOWERS	PM/PM ₁₀ /PM _{2.5}	Monitoring specified in Special Condition No 36.C. Monitor cooling water circulation rate. Monitor conductivity once per shift (every 12 hours). Monitor TDS in the cooling water once per week. The TDS-to-conductivity ratio is updated weekly.	An hourly average TDS is calculated using a TDS-to-conductivity ratio. Actual emissions calculated using calculated TDS, the design drift rate, and the cooling water circulation rate.	Actual emissions calculated using calculated TDS, the design drift rate, and the cooling water circulation rate.
	VOC	Monitoring specified in Special Condition Nos. 33 and 36.C. Monitor cooling water circulation rate.	Actual emissions calculated using the measured VOC concentration and the cooling water circulation rate.	Actual emissions calculated using the measured VOC concentration and the cooling water circulation rate.
	H ₂ S	Monitoring specified in Special Condition No 36.C. Monitor cooling water circulation rate.FHR will use historical process knowledge for the H ₂ S concentration.	Actual emissions calculated using the design drift rate, cooling water circulation rate, and an H ₂ S concentration of 1 ppmw.	Actual emissions calculated using the design drift rate, cooling water circulation rate, and an H ₂ S concentration of 1 ppmw.

Group Name	Pollutant	Monitoring	Short-Term Emission Rate Calculations	Annual Emission Rate Calculations
ENGINES	NO _x	Monitor engine hours of operation.	Actual emissions calculated using emission factor from manufacturer, design horsepower rating of the engine, and the number of run time hours.	Actual emissions calculated using emission factor from manufacturer, design horsepower rating of the engine, and the number of run time hours.
	CO	Monitor engine hours of operation.	Actual emissions calculated using emission factor from manufacturer, design horsepower rating of the engine, and the number of run time hours.	Actual emissions calculated using emission factor from manufacturer, design horsepower rating of the engine, and the number of run time hours.
	SO ₂	Monitor fuel usage.	Actual emissions calculated using fuel usage and sulfur content of the fuel from the vendor.	Actual emissions calculated using fuel usage and sulfur content of the fuel from the vendor.
	PM/PM ₁₀ /PM _{2.5}	Monitor engine hours of operation.	Actual emissions calculated using emission factor from manufacturer, design horsepower rating of the engine, and the number of run time hours.	Actual emissions calculated using emission factor from manufacturer, design horsepower rating of the engine, and the number of run time hours.
	VOC	Monitor engine hours of operation.	Actual emissions calculated using emission factor from manufacturer, design horsepower rating of the engine, and the number of run time hours.	Actual emissions calculated using emission factor from manufacturer, design horsepower rating of the engine, and the number of run time hours.
	SAM	Monitor SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.
AERATION BASINS	VOC	Monitor throughput. FHR will use historical knowledge for the VOC concentration in the wastewater.	Actual emissions calculated using VOC concentration and throughput.	Actual emissions calculated using VOC concentration and throughput.

FIN	EPN	Description	Pollutant	Monitoring	Short-Term Emission Rate Calculations	Annual Emission Rate Calculations
FG SCRUB	111	FCCU II Scrubber	NO _x	Monitoring specified in Special Condition No. 24.	Actual emissions are calculated using CEM data.	Actual emissions are calculated using CEM data.
			CO	Monitoring specified in Special Condition No.24.	Actual emissions are calculated using CEM data.	Actual emissions are calculated using CEM data.
			SO ₂	Monitoring specified in Special Condition No. 24.	Actual emissions are calculated using CEM data.	Actual emissions are calculated using CEM data.
			PM/PM ₁₀ /PM _{2.5}	Monitoring specified in Special Condition No. 25. Calculate coke burn rate.	Actual emissions are calculated based on coke burn rate and most recent stack test data.	Actual emissions are calculated based on coke burn rate and most recent stack test data.
			VOC	Monitor stack exhaust flow.	Actual emissions based on stack exhaust flow and a VOC concentration of 0.4 ppmvd @ 0% O ₂ in the exhaust based on stack testing.	Actual emissions based on stack exhaust flow and a VOC concentration of 0.4 ppmvd @ 0% O ₂ in the exhaust based on stack testing.
			NH ₃	Monitor stack exhaust flow.	Actual emissions based on stack exhaust flow and a NH ₃ concentration of 0.44 ppmvd @ 0% O ₂ in the exhaust based on stack testing.	Actual emissions based on stack exhaust flow and a NH ₃ concentration of 0.44 ppmvd @ 0% O ₂ in the exhaust based on stack testing.
			HCN	Monitor coke burn rate.	Actual emissions are calculated based on coke burn rate and AP-42 emission factor.	Actual emissions are calculated based on coke burn rate and AP-42 emission factor.
			Ozone	Monitor stack exhaust flow.	Actual emissions based on average stack exhaust flow and an estimated ozone concentration of 1.27 ppmvd @ 0% O ₂ in the exhaust.	Actual emissions based on average stack exhaust flow and an estimated ozone concentration of 1.27 ppmvd @ 0% O ₂ in the exhaust.
			SAM	Monitor coke burn rate.	Actual emissions are calculated based on coke burn rate and most recent stack test factor.	Actual emissions are calculated based on coke burn rate and most recent stack test factor.
E12FL101	FL-118	Marine VCU	NO _x	Monitor fuel usage.	Actual emissions calculated using fired duty and TCEQ approved flare emission factor.	Actual emissions calculated using fired duty and TCEQ approved flare emission factor.
			CO	Monitor fuel usage.	Actual emissions calculated using fired duty and TCEQ approved flare emission factor.	Actual emissions calculated using fired duty and TCEQ approved flare emission factor.
			SO ₂	Monitor throughput. Monitor fuel usage and H ₂ S content in the fuel.	Actual emissions from fuel combustion calculated using fuel usage and H ₂ S content. Actual emissions from combusting material calculated using throughput, K-factor, TVP of material, and H ₂ S concentration based on historical product knowledge.	Actual emissions from fuel combustion calculated using fuel usage and H ₂ S content. Actual emissions from combusting material calculated using throughput, K-factor, TVP of material, and H ₂ S concentration based on historical product knowledge.
			PM/PM ₁₀ /PM _{2.5}	Monitor fuel usage.	Actual emissions calculated using fired duty and AP-42 emission factor.	Actual emissions calculated using fired duty and AP-42 emission factor.

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FIN	EPN	Description	Pollutant	Monitoring	Short-Term Emission Rate Calculations	Annual Emission Rate Calculations
			VOC	Monitor throughput and fuel usage.	Actual emissions from fuel gas combustion calculated using the heat release rate and the AP-42 emission factor. Actual emissions from waste gas combustion calculated using AP-42 equation 5.2-1, loading rate of each material, temperature and vapor pressure of each material loaded, and 98% control efficiency.	Actual emissions from fuel gas combustion calculated using the heat release rate and the AP-42 emission factor. Actual emissions from waste gas combustion calculated using AP-42 equation 5.2-1, loading rate of each material, temperature and vapor pressure of each material loaded, and 98% control efficiency.
E01FL100, E01FL101	FL-97/FL-28	Main Flare and West Flare	NO _x	Monitor fuel usage.	Actual emissions calculated in accordance with Special Condition No. 10.	Actual emissions calculated in accordance with Special Condition No. 10.
			CO	Monitor fuel usage.	Actual emissions calculated in accordance with Special Condition No. 10.	Actual emissions calculated in accordance with Special Condition No. 10.
			SO ₂	Monitor fuel usage and H ₂ S content in the fuel.	Actual emissions calculated using fuel usage and H ₂ S content.	Actual emissions calculated using fuel usage and H ₂ S content.
			VOC	Monitoring specified in Special Condition No. 12. Monitor fuel usage.	Actual emissions calculated based on amount of fuel used, composition of the fuel based on sampling, and a 99% control efficiency for C2 and C3 compounds and a 98% control for all other VOC compounds.	Actual emissions calculated based on amount of fuel used, composition of the fuel based on sampling, and a 99% control efficiency for C2 and C3 compounds and a 98% control for all other VOC compounds.
Various	FL-125	WWTP Thermal Oxidizer	NO _x	Monitor fuel usage.	Actual emissions calculated using the heat release rate and vendor emission factor.	Actual emissions calculated using the heat release rate and a vendor emission factor.
			CO	Monitor fuel usage.	Actual emissions calculated using the heat release rate and vendor emission factor.	Actual emissions calculated using the heat release rate and vendor emission factor.
			SO ₂	Monitor fuel usage and H ₂ S content in the fuel.	Actual emissions calculated using fuel usage and H ₂ S content.	Actual emissions calculated using fuel usage and H ₂ S content.
			PM/PM ₁₀ /PM _{2.5}	Monitor fuel usage.	Actual emissions calculated using the heat release rate and the AP-42 emission factor.	Actual emissions calculated using the heat release rate and the AP-42 emission factor.
			VOC	Monitor fuel usage and waste gas flow rate.	Actual emissions from fuel gas combustion calculated using the heat release rate and the AP-42 emission factor. Actual emissions from waste gas combustion calculated using waste gas flow rate, composition of the waste gas stream and 98% control efficiency.	Actual emissions from fuel gas combustion calculated using the heat release rate and the AP-42 emission factor. Actual emissions from waste gas combustion calculated using waste gas flow rate, composition of the waste gas stream and 98% control efficiency.
			SAM	Monitor SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.

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FIN	EPN	Description	Pollutant	Monitoring	Short-Term Emission Rate Calculations	Annual Emission Rate Calculations
E29F511, E46H300	S-84, S-85	SRU No. 1 and No. 2 Tail Gas Incinerator Stacks (TGI)	NO _x	Monitor stack exhaust flow.	Actual emissions calculated using stack test data and monitored stack exhaust flow.	Actual emissions calculated using stack test data and monitored stack exhaust flow.
			CO	Monitor stack exhaust flow.	Actual emissions calculated using stack test data and monitored stack exhaust flow.	Actual emissions calculated using stack test data and monitored stack exhaust flow.
			SO ₂	Monitoring specified in Special Condition No. 23 and 37.	Actual emissions calculated using stack test data and monitored stack exhaust flow.	Actual emissions calculated using stack test data and monitored stack exhaust flow.
			PM/PM ₁₀ /PM _{2.5}	Monitor fuel usage.	Actual emissions calculated using fuel usage and AP-42 emission factor.	Actual emissions calculated using fuel usage and AP-42 emission factor.
			VOC	Monitor fuel usage.	Actual emissions calculated using fuel usage and AP-42 emission factor.	Actual emissions calculated using fuel usage and AP-42 emission factor.
			SAM	Monitor SO ₂ emissions.	Actual emissions calculated based on 0.23% of SO ₂ emissions.	Actual emissions calculated based on 0.23% of SO ₂ emissions.
MSS Cap	MSS Cap	Maintenance, Start-up, Shutdown Emissions	NO _x	Monitoring specified in Special Condition Nos. 40 to 55.	Calculate monthly emissions based on activity records and the calculation methods used in permit representations.	Calculate monthly emissions based on activity records and the calculation methods used in permit representations.
			CO	Monitoring specified in Special Condition Nos. 40 to 55.	Calculate monthly emissions based on activity records and the calculation methods used in permit representations.	Calculate monthly emissions based on activity records and the calculation methods used in permit representations.
			SO ₂	Monitoring specified in Special Condition Nos. 40 to 55.	Calculate monthly emissions based on activity records and the calculation methods used in permit representations.	Calculate monthly emissions based on activity records and the calculation methods used in permit representations.
			PM/PM ₁₀ /PM _{2.5}	Monitoring specified in Special Condition Nos. 40 to 55.	Calculate monthly emissions based on activity records and the calculation methods used in permit representations.	Calculate monthly emissions based on activity records and the calculation methods used in permit representations.
			VOC	Monitoring specified in Special Condition Nos. 40 to 55.	Calculate monthly emissions based on activity records and the calculation methods used in permit representations.	Calculate monthly emissions based on activity records and the calculation methods used in permit representations.
			H ₂ S	Monitoring specified in Special Condition Nos. 40 to 55.	Calculate monthly emissions based on activity records and the calculation methods used in permit representations.	Calculate monthly emissions based on activity records and the calculation methods used in permit representations.
			SAM	Monitor SO ₂ emissions.	Actual emissions calculated based on % of SO ₂ emissions. EPN FCCURXVENT is 1.12%. EPNs S-84/S-86 are 0.23% and Miscellaneous MSS Activities are 1.12% of SO ₂ emissions.	Actual emissions calculated based on % of SO ₂ emissions. EPN FCCURXVENT is 1.12%. EPNs S-84/S-86 are 0.23% and Miscellaneous MSS Activities are 1.12% of SO ₂ emissions.
MARINE	LOADFUG	Uncontrolled Marine Loading	VOC	Monitor throughput, temperature, and vapor pressure.	Actual emissions calculated using AP-42 equation 5.2-1, loading rate of each material, and temperature and vapor pressure of each material loaded.	Actual emissions calculated using AP-42 equation 5.2-1, loading rate of each material, and temperature and vapor pressure of each material loaded.
			H ₂ S	Monitor throughput.	Actual emissions based on H ₂ S concentration of 10 ppmv in the vapor and vapor displaced (throughput).	Actual emissions based on H ₂ S concentration of 10 ppmv in the vapor and vapor displaced (throughput).

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FIN	EPN	Description	Pollutant	Monitoring	Short-Term Emission Rate Calculations	Annual Emission Rate Calculations
PROPFRTST	PROPFRTST	Propane Freeze Tests	VOC	Monitor the number of tests performed.	Actual emissions calculated using number of tests performed and emission factor of 1.7 lb/test run.	Actual emissions calculated using number of tests performed and emission factor of 1.7 lb/test run.
E10B10	95	East Boiler No. A	NO _x	Continuous emissions monitor (CEM) and monitor fuel usage.	Actual emissions are calculated using fired duty and CEM data.	Actual emissions are calculated using fired duty and CEM data.
			CO	Continuous emissions monitor (CEM) and monitor fuel usage.	Actual emissions are calculated using fired duty and CEM data.	Actual emissions are calculated using fired duty and CEM data.
			SO ₂	Monitor fuel usage and H ₂ S concentration in the fuel gas.	Actual emissions calculated using fuel gas usage and H ₂ S content in the fuel gas.	Actual emissions calculated using fuel gas usage and H ₂ S content in the fuel gas.
			PM/PM ₁₀ /PM _{2.5}	Monitor fuel usage.	Actual emissions calculated using fired duty and AP-42 emission factor.	Actual emissions calculated using fired duty and AP-42 emission factor.
			VOC	Monitor fuel usage.	Actual emissions calculated using fired duty and AP-42 emission factor.	Actual emissions calculated using fired duty and AP-42 emission factor.
			NH ₃	Continuous emissions monitor (CEM) and monitor fuel usage.	Actual emissions are calculated using fired duty and CEM data.	Actual emissions are calculated using fired duty and CEM data.
			SAM	Monitor SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.	Actual emissions calculated based on 1.12% of SO ₂ emissions.
E14TK531	TEMPCARB	Temporary Carbon Adsorption System with H ₂ S Scrubber	VOC	Monitor the carbon adsorption outlet stream daily to determine if VOC breakthrough has occurred. VOC breakthrough is defined as a concentration at or above 100 ppmv above background downstream of the first carbon canister.	Actual emissions calculated based on vent stream design flow rate and VOC concentration.	Actual emissions calculated based on vent stream design flow rate and VOC concentration.
			H ₂ S	FHR will use historical product knowledge for the H ₂ S concentration.	Actual emissions calculated based on vent stream design flow rate, H ₂ S concentration, and 99% removal efficiency.	Actual emissions calculated based on vent stream design flow rate, H ₂ S concentration, and 99% removal efficiency.
E11TK323/PORTTO	PORTTO	Temporary Thermal Oxidizer for E11TK323	NO _x	Monitor fuel usage.	Actual emissions calculated using the heat release rate and vendor data.	Actual emissions calculated using the heat release rate and vendor data.
			CO	Monitor fuel usage.	Actual emissions calculated using the heat release rate and vendor data.	Actual emissions calculated using the heat release rate and vendor data.

FIN	EPN	Description	Pollutant	Monitoring	Short-Term Emission Rate Calculations	Annual Emission Rate Calculations
			SO ₂	Monitor fuel usage and H ₂ S content in the fuel.	Actual emissions calculated using fuel usage and H ₂ S content.	Actual emissions calculated using fuel usage and H ₂ S content.
			PM/PM ₁₀ /PM _{2.5}	Monitor fuel usage.	Actual emissions calculated using the heat release rate and AP-42.	Actual emissions calculated using the heat release rate and AP-42.
			VOC	Monitor fuel usage and waste gas design flow rate.	Actual emissions from fuel gas combustion calculated using the heat release rate and the AP-42 emission factor. Actual emissions from waste gas combustion calculated using waste gas design flow rate, composition of the waste gas stream and 98% control efficiency.	Actual emissions from fuel gas combustion calculated using the heat release rate and the AP-42 emission factor. Actual emissions from waste gas combustion calculated using waste gas design flow rate, composition of the waste gas stream and 98% control efficiency.
F-BLRSCR	F-BLRSCR	Boiler SCR Ammonia Fugitives	NH ₃	Monitoring specified in Special Condition No. 29.	Emissions will be equal to permit representations.	Emissions will be equal to permit representations.

Date: March 11, 2024

Emission Sources, Emission Caps, and Individual Emission Limitations

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

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
<u>Emission Rate Caps</u>				
		NO _x	360.18	208.47
		CO	266.57	401.22
		SO ₂	247.33	288.90
		H ₂ S	6.11	13.01
		Ozone	15.51	27.48
		PM	46.87	169.51
		PM ₁₀	46.53	168.01
		PM _{2.5}	46.26	166.81
		VOC	316.12	441.23
		Toluene	0.98	2.16
		Xylene	0.97	1.27
		Benzene	0.60	0.44
		NH ₃	3.49	11.47
		HCN	17.50	63.90
		NaHSO ₃	0.72	0.31
		SAM	13.88	49.95

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
<u>Maintenance, Startup, and Shutdown (MSS) Emission Caps (6)</u>				
		VOC	1050.56	26.08
		NOx	321.29	15.49
		CO	1,820.15	25.84
		SO ₂	1363.23	30.25
		H ₂ S	4.12	0.28
		PM	17.43	0.83
		PM ₁₀	13.81	0.32
		PM _{2.5}	13.81	0.32
		HCl	0.58	0.03
		SAM	2.77	0.06
<u>Individual Emission Rate Limits</u>				
35,36	BTX Rx No. 1 Heater	NOx	4.95	21.70
		CO	5.50	24.10
		SO ₂	3.53	4.63
		PM	0.82	3.61
		PM ₁₀	0.82	3.61
		PM _{2.5}	0.82	3.61
		VOC	0.60	2.61
		SAM	0.04	0.05
37,38	BTX RX No. 2 Heater	NOx	5.40	23.70
		CO	6.00	26.30
		SO ₂	3.85	5.06
		PM	0.90	3.93
		PM ₁₀	0.90	3.93
		PM _{2.5}	0.90	3.93
		VOC	0.65	2.84
		SAM	0.04	0.06
33,34	BTX Deptentanizer Reboiler	NOx	2.48	10.80
		CO	2.75	12.00
		SO ₂	1.76	2.32
		PM	0.41	1.80
		PM ₁₀	0.41	1.80
		PM _{2.5}	0.41	1.80
		VOC	0.30	1.30
		SAM	0.02	0.03
120	Isom Splitter Reboiler	NOx	1.60	7.01
		CO	3.28	14.40
		SO ₂	1.28	1.69
		PM	0.30	1.30

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		PM ₁₀	0.30	1.30
		PM _{2.5}	0.30	1.30
		VOC	0.22	0.94
		SAM	0.01	0.02
F-121	Isom Fugitives (5)	VOC	2.63	11.52
F-58	Butadiene Saturation Fugitives (5)	VOC	1.05	4.60
F-123	MTBE Fugitives (5)	VOC	2.42	10.60
80	DHT-I Charge Heater	NO _x	2.16	9.46
		CO	2.97	12.99
		SO ₂	1.15	3.04
		PM	0.27	1.17
		PM ₁₀	0.27	1.17
		PM _{2.5}	0.27	1.17
		VOC	0.19	0.85
		SAM	0.01	0.03
81	DHT-I Frac. Heater	NO _x	1.00	4.38
		CO	1.65	7.22
		SO ₂	0.64	1.69
		PM	0.15	0.65
		PM ₁₀	0.15	0.65
		PM _{2.5}	0.15	0.65
		VOC	0.11	0.47
		SAM	0.01	0.02
74R	DHT-K Charge Heater	NO _x	2.79	12.22
		CO	5.11	22.38
		SO ₂	1.99	0.23
		PM	0.46	2.02
		PM ₁₀	0.46	2.02
		PM _{2.5}	0.46	2.02
		VOC	0.33	1.46
		SAM	0.02	0.06
77	DHT-D Charge Heater	NO _x	3.14	13.70
		CO	2.63	11.50
		SO ₂	1.03	1.35
		PM	0.24	1.04
		PM ₁₀	0.24	1.04
		PM _{2.5}	0.24	1.04
		VOC	0.17	0.76
		SAM	0.01	0.02

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO_x - total oxides of nitrogen
- SO₂ - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
- CO - carbon monoxide
- Cl₂ - chlorine
- H₂S - hydrogen sulfide
- HCl - hydrogen chloride
- NH₃ - ammonia
- HCN - hydrogen cyanide
- SAM - Sulfuric Acid Mist
- (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) MSS activities and emission points are identified in Attachment C.

Date: March 11, 2024

Emission Sources Summary Table for Sources Contributing to Emissions Caps

Emission Point Number	Facility Identification Number	Description	CO	NOx	PM PM ₁₀ PM _{2.5}	SO ₂	VOC	Toluene	Xylene	Benzene	H ₂ S	O ₃	NH ₃	HCN	NaHSO ₃	SAM
67,68	E23H301B	DIH B Heater	X	X	X	X	X									X
110	E0310F101	FCCU II Charge Heater	X	X	X	X	X									X
65A	E23H101A	Crude II Charge Heater A	X	X	X	X	X									X
101,102	E28H101	Hydrobon Charge Heater	X	X	X	X	X									X
99,100	E28H102	Hydrobon Reboiler	X	X	X	X	X									X
25	E20H1	Sulfolane Heater	X	X	X	X	X									X
E29H417	E29H417	SRU No. 1 Heater	X	X	X	X	X									X
95	E10B10	East Boiler No. A	X	X	X	X	X									X
FL-125/TEMPCARB	E14TK531	WWTP TO	X	X	X	X	X									X
111	FG SCRUB	FCCU II Scrubber	X	X	X	X	X					X	X	X		
S-84	E29F511	SRU No. 1 TGI	X	X	X	X	X				X					X
S-85	E46H300	SRU No. 2 TGI	X	X	X	X	X				X					X
FL-97	E01FL100	Main Flare	X	X		X	X				X					
FL-28	E01FL101	West Flare	X	X		X	X				X					
FL-118	E12FL101	Marine VCU	X	X	X	X	X				X					
C-107	SULFOLANEC	Sulfolane Cooling Tower			X		X				X					
C-108	BTX PLA C	BTX Cooling Tower			X		X				X					
C-109	CR 2 COOL	Crude II Cooling Tower			X		X				X					
C-110	HBON COOL	Hydrobon Cooling Tower			X		X				X					
C-113	FCC 2 COOL	FCCU II Cooling Tower			X		X				X					
F-112	F-112	FCCU II Fugitives					X				X					

Emission Sources Summary Table for Sources Contributing to Emissions Caps

Emission Point Number	Facility Identification Number	Description	CO	NOx	PM PM ₁₀ PM _{2.5}	SO ₂	VOC	Toluene	Xylene	Benzene	H ₂ S	O ₃	NH ₃	HCN	NaHSO ₃	SAM
F-53	F-53	Sulfolane Fugitives					X				X					
F-30	F-30	Terminal 3 Fugitives					X				X					
F-61	F-61	Crude II/DIH Fugitives					X				X					
F-98	F-98	Hydrobon Fugitives					X				X					
F-55	F-55	BTX Platformer Fugitives					X				X					
F-26	F-26	Terminal 2 Fugitives					X				X					
90,91,92P	SHIP&BARGE	Marine Dock Component Fugitives					X				X					
F-118	F-118	MVCU Equipment Fugitives					X				X					
F-79	F-79	DHT-I Fugitives					X				X					
F-72	F-72	DHT-K Fugitives					X				X					
F-76	F-76	DHT-D Fugitives					X				X					
F-WWTP	F-WWTP	WWTP Fugitives					X				X					
F-FGS	P-FGS	Fuel Gas Supply System Fugitives					X				X					
F-86	TRUCK RACK	Truck Rack Fugitives					X				X					
F-97	F-97	Flare System Fugitives					X									
F-SRU1	SULFUR REC	SRU No. 1 Fugitives					X				X					
F-SRU2	SULFUR REC	SRU No. 2 Fugitives					X				X					
F-BLRSCR	F-BLRSCR	Boiler SCR Ammonia Fugitives											X			
E04V16	E04V16	Tank E04V16					X									

Emission Sources Summary Table for Sources Contributing to Emissions Caps

Emission Point Number	Facility Identification Number	Description	CO	NOx	PM PM ₁₀ PM _{2.5}	SO ₂	VOC	Toluene	Xylene	Benzene	H ₂ S	O ₃	NH ₃	HCN	NaHSO ₃	SAM
E11TK323/PORTTO	E11TK323/PORTTO	Tank E11TK323					X				X					
E11TK325	E11TK325	Tank E11TK325					X				X					
E11TK329	E11TK329	Tank E11TK329					X				X					
E11TK330	E11TK330	Tank E11TK330					X									
E11TK331	E11TK331	Tank E11TK331					X				X					
E11TKR40	E11TKR40	Tank E11TKR40					X				X					
E11TKS21	E11TKS21	Tank E11TKS21					X	X	X		X					
E11TKS23	E11TKS23	Tank E11TKS23					X	X	X		X					
E11TKS30	E11TKS30	Tank E11TKS30					X				X					
E11TKS31	E11TKS31	Tank E11TKS31					X				X					
E11TKS32	E11TKS32	Tank E11TKS32					X	X	X		X					
E11TKS41	E11TKS41	Tank E11TKS41					X				X					
E11TKS42	E11TKS42	Tank E11TKS42					X				X					
E11TKS43	E11TKS43	Tank E11TKS43					X				X					
E11TKS6	E11TKS6	Tank E11TKS6					X				X					
E11TKS7	E11TKS7	Tank E11TKS7					X				X					
E11TKS8	E11TKS8	Tank E11TKS8					X				X					
E12TK116	E12TK116	Tank E12TK116					X				X					
E12TK117	E12TK117	Tank E12TK117					X				X					
E12TK145	E12TK145	Tank E12TK145					X			X	X					
E12TK146	E12TK146	Tank E12TK146					X			X	X					
E14TK526	E14TK526	Tank E14TK526					X				X					
E14TK528	E14TK528	Tank					X				X					

Emission Sources Summary Table for Sources Contributing to Emissions Caps

Emission Point Number	Facility Identification Number	Description	CO	NOx	PM PM ₁₀ PM _{2.5}	SO ₂	VOC	Toluene	Xylene	Benzene	H ₂ S	O ₃	NH ₃	HCN	NaHSO ₃	SAM
		E14TK528														
E14TK530	E14TK530	Tank E14TK530					X				X					
E14TK530CC	E14TK530CC	E14TK530 Overflow Pipe					X				X					
E18TK110	E18TK110	Tank E18TK110					X				X					
E18TK111	E18TK111	Tank E18TK111					X				X					
E18TK112	E18TK112	Tank E18TK112					X				X					
E18TKCS3	E18TKCS3	Tank E18TKCS3					X				X					
E20V21A	E20V21A	Tank E20V21A					X									
E20V22	E20V22	Tank E20V22					X									
E20V4	E20V4	Tank E20V4					X									
E29T511R	E29T511R	Tank E29T511R					X				X					
PERMSCAV	PERMSCAV	FCCU II H2S Scavenger Tote					X									
H2SCAV	H2SCAV	WWTP H2S Scavenger Tote					X									
TkNaHSO3	TkNaHSO3	Sodium Bisulfite Tank													X	
E340SCT246	E340SCT246	Anodamine Tote					X									
E10SCT248	E10SCT248	Anodamine Tote					X									
E0320D128	E0320D128	Spent Caustic Tank					X									
E23SCT250	E23SCT250	Anodamine Tote					X									
E13TK39	E13TK39	Diesel Tank for E13TK39					X									
E13TK40	E13TK40	Diesel Tank for E13TK40					X									
E13TK41	E13TK41	Diesel Tank					X									

Emission Sources Summary Table for Sources Contributing to Emissions Caps

Emission Point Number	Facility Identification Number	Description	CO	NOx	PM PM ₁₀ PM _{2.5}	SO ₂	VOC	Toluene	Xylene	Benzene	H ₂ S	O ₃	NH ₃	HCN	NaHSO ₃	SAM
		for E13TK41														
E13P45	E13P45	Firewater Diesel Engine E13P45	X	X	X	X	X									
E13P46	E13P46	Firewater Diesel Engine E13P46	X	X	X	X	X									
E13P47	E13P47	Firewater Diesel Engine E13P47	X	X	X	X	X									
LOADFUG	MARINE	Uncontrolled Marine Loading					X				X					
PROPFRZTST	PROPFRZTST	Propane Freeze Tests					X									
E14TK503A	E14TK503A	Aeration Basin No. 1					X									
E14TK503B	E14TK503B	Aeration Basin No. 2					X									